Southeast ACCUTEST LABORATORIES

02/18/13

Technical Report for

WSP Environment & Energy

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID 45923

Accutest Job Number: FA1371

Sampling Dates: 01/29/13 - 01/30/13

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: **125**

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.

Table of Contents

-1-

Section 1: Sample Summary 3
Section 2: Case Narrative/Conformance Summary 4
Section 3: Summary of Hits 11
Section 4: Sample Results 18
- **4.1:** FA1371-1: A-37 (0-1) 19
- **4.2:** FA1371-2: A-37 (1-2) 21
- **4.3:** FA1371-3: A-37 (4-5) 23
- **4.4:** FA1371-4: A-37 (9-10) 25
- **4.5:** FA1371-5: A-37 (14-15) 27
- **4.6:** FA1371-6: A-37 (18-19) 29
- **4.7:** FA1371-7: SOIL-EB-1/29/13 31
- **4.8:** FA1371-8: A-38 (0-1) 33
- **4.9:** FA1371-9: A-38 (1-2) 35
- **4.10:** FA1371-10: A-38 (4-5) 37
- **4.11:** FA1371-11: A-38 (9-10) 39
- **4.12:** FA1371-12: A-38 (14-15) 41
- **4.13:** FA1371-13: SOIL-EB-1/30/13 43

Section 5: Misc. Forms 45
- **5.1:** Chain of Custody 46

Section 6: Metals Analysis - QC Data Summaries 49
- **6.1:** Inst QC MA10509: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 50
- **6.2:** Inst QC MA10513: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 69
- **6.3:** Prep QC MP24557: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 87
- **6.4:** Prep QC MP24563: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 93

Section 7: General Chemistry - QC Data Summaries 99
- **7.1:** Method Blank and Spike Results Summary 100
- **7.2:** Duplicate Results Summary 101
- **7.3:** Matrix Spike Results Summary 102
- **7.4:** Matrix Spike Duplicate Results Summary 103
- **7.5:** Inst QC GN53974: Fluoride,Nitrogen, Nitrate,Sulfate 104
- **7.6:** Inst QC GN53982: Nitrogen, Total Kjeldahl 106
- **7.7:** Inst QC GN54012: Nitrogen, Ammonia 108
- **7.8:** Inst QC GN54039: Nitrogen, Total Kjeldahl 110
- **7.9:** Inst QC GN54075: Fluoride,Nitrogen, Nitrate,Sulfate 113
- **7.10:** Inst QC GN54101: Fluoride,Sulfate 116
- **7.11:** Inst QC GN54130: Nitrogen, Ammonia 119
- **7.12:** Inst QC GN54142: Sulfate 121
- **7.13:** Percent Solids Raw Data Summary 124

Sample Summary

WSP Environment & Energy

Job No: FA1371

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Project No: 45923

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA1371-1	01/29/13	11:50	IP	02/01/13	SO	Soil	A-37 (0-1)
FA1371-2	01/29/13	11:52	IP	02/01/13	SO	Soil	A-37 (1-2)
FA1371-3	01/29/13	11:54	IP	02/01/13	SO	Soil	A-37 (4-5)
FA1371-4	01/29/13	12:17	IP	02/01/13	SO	Soil	A-37 (9-10)
FA1371-5	01/29/13	12:47	IP	02/01/13	SO	Soil	A-37 (14-15)
FA1371-6	01/29/13	13:32	IP	02/01/13	SO	Soil	A-37 (18-19)
FA1371-7	01/29/13	15:50	IP	02/01/13	AQ	Equipment Blank	SOIL-EB-1/29/13
FA1371-8	01/29/13	16:15	IP	02/01/13	SO	Soil	A-38 (0-1)
FA1371-9	01/29/13	16:17	IP	02/01/13	SO	Soil	A-38 (1-2)
FA1371-10	01/29/13	16:19	IP	02/01/13	SO	Soil	A-38 (4-5)
FA1371-11	01/29/13	16:38	IP	02/01/13	SO	Soil	A-38 (9-10)
FA1371-12	01/30/13	10:05	IP	02/01/13	SO	Soil	A-38 (14-15)
FA1371-13	01/30/13	12:25	IP	02/01/13	AQ	Equipment Blank	SOIL-EB-1/30/13

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA1371

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date** 2/15/2013 5:29:22 PM

13 Sample(s) were collected on/between 01/29/2013 and 01/30/2013 and were received at Accutest SE on 02/01/2013 properly preserved, at 3.6 Deg. C and intact. These Samples received an Accutest job number of FA1371. 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:** MP24563

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) FA1369-1DUP, FA1369-1MS, FA1369-1MSD, FA1369-1PS, FA1369-1SDL were used as the QC samples for metals. Matrix Spike Duplicate Recovery(s) for Manganese are outside control limits. Probable cause is due to matrix interference.

RPD(s) for Duplicate for Nickel are outside control limits for sample MP24563-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Aluminum, Chromium, Iron, Nickel, Vanadium are outside control limits for sample MP24563-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24563-PS1 for Manganese: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Matrix: SO **Batch ID:** MP24557

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) FA1370-1DUP, FA1370-1MS, FA1370-1MSD, FA1370-1PS, FA1370-1SDL were used as the QC samples for metals. Matrix Spike Duplicate Recovery(s) for Aluminum are outside control limits. Probable cause due to matrix interference.

RPD(s) for Duplicate for Iron, Arsenic, Barium, Calcium, Chromium, Lead, Magnesium, Vanadium are outside control limits for sample MP24557-D1. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Arsenic, Calcium, Lead, Magnesium, Nickel are outside control limits for sample MP24557-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24557-D1 for Calcium: RPD acceptable due to low duplicate and sample concentrations.

MP24557-MB1 for Aluminum: All sample results >10x method blank concentration.

MP24557-D1 for Barium: RPD acceptable due to low duplicate and sample concentrations.

MP24557-D1 for Chromium: RPD acceptable due to low duplicate and sample concentrations.

MP24557-D1 for Lead: RPD acceptable due to low duplicate and sample concentrations.

MP24557-D1 for Magnesium: RPD acceptable due to low duplicate and sample concentrations.

MP24557-D1 for Vanadium: RPD acceptable due to low duplicate and sample concentrations.

MP24557-D1 for Arsenic: RPD acceptable due to low duplicate and sample concentrations.

MP24557-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA1371-2 for Beryllium: Elevated reporting limit(s) due to matrix interference.

FA1371-3 for Nickel: Sample dilution required due to sample matrix.

FA1371-3 for Barium: Sample dilution required due to sample matrix.

FA1371-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA1371-2 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA1371-1 for Vanadium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24557

FA1371-2 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1371-12 for Sodium: Sample dilution required due to sample matrix.
FA1371-2 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1371-5 for Vanadium: Sample dilution required due to sample matrix.
FA1371-9 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1371-8 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1371-8 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1371-8 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1371-12 for Selenium: Sample dilution required due to sample matrix.
FA1371-8 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1371-8 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1371-8 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1371-3 for Beryllium: Sample dilution required due to sample matrix.
FA1371-1 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1371-12 for Vanadium: Sample dilution required due to sample matrix.
FA1371-1 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Beryllium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24557

FA1371-9 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1371-1 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1371-3 for Vanadium: Sample dilution required due to sample matrix.
FA1371-3 for Arsenic: Sample dilution required due to sample matrix.
FA1371-5 for Arsenic: Sample dilution required due to sample matrix.
FA1371-5 for Lead: Sample dilution required due to sample matrix.
FA1371-5 for Magnesium: Sample dilution required due to sample matrix.
FA1371-5 for Manganese: Sample dilution required due to sample matrix.
FA1371-5 for Nickel: Sample dilution required due to sample matrix.
FA1371-5 for Potassium: Sample dilution required due to sample matrix.
FA1371-5 for Selenium: Sample dilution required due to sample matrix.
FA1371-5 for Sodium: Sample dilution required due to sample matrix.
FA1371-5 for Thallium: Sample dilution required due to sample matrix.
FA1371-5 for Calcium: Sample dilution required due to sample matrix.
FA1371-4 for Arsenic: Sample dilution required due to sample matrix.
FA1371-3 for Selenium: Sample dilution required due to sample matrix.
FA1371-4 for Selenium: Sample dilution required due to sample matrix.
FA1371-4 for Cadmium: Sample dilution required due to sample matrix.
FA1371-4 for Chromium: Sample dilution required due to sample matrix.
FA1371-4 for Iron: Sample dilution required due to sample matrix.
FA1371-4 for Lead: Sample dilution required due to sample matrix.
FA1371-4 for Nickel: Sample dilution required due to sample matrix.
FA1371-4 for Aluminum: Sample dilution required due to sample matrix.
FA1371-3 for Sodium: Sample dilution required due to sample matrix.
FA1371-4 for Calcium: Sample dilution required due to sample matrix.
FA1371-3 for Thallium: Sample dilution required due to sample matrix.
FA1371-4 for Beryllium: Sample dilution required due to sample matrix.
FA1371-4 for Barium: Sample dilution required due to sample matrix.
FA1371-4 for Potassium: Sample dilution required due to sample matrix.
FA1371-4 for Antimony: Sample dilution required due to sample matrix.
FA1371-5 for Beryllium: Sample dilution required due to sample matrix.
FA1371-5 for Cadmium: Sample dilution required due to sample matrix.
FA1371-4 for Magnesium: Sample dilution required due to sample matrix.
FA1371-3 for Manganese: Sample dilution required due to sample matrix.
FA1371-1 for Lead: Sample dilution required due to sample matrix.
FA1371-4 for Manganese: Sample dilution required due to sample matrix.
FA1371-9 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1371-3 for Cadmium: Sample dilution required due to sample matrix.
FA1371-3 for Calcium: Sample dilution required due to sample matrix.
FA1371-3 for Chromium: Sample dilution required due to sample matrix.
FA1371-3 for Iron: Sample dilution required due to sample matrix.
FA1371-5 for Chromium: Sample dilution required due to sample matrix.
FA1371-4 for Sodium: Sample dilution required due to sample matrix.
FA1371-2 for Lead: Sample dilution required due to sample matrix.
FA1371-5 for Barium: Sample dilution required due to sample matrix.
FA1371-3 for Potassium: Sample dilution required due to sample matrix.
FA1371-5 for Antimony: Sample dilution required due to sample matrix.
FA1371-5 for Aluminum: Sample dilution required due to sample matrix.
FA1371-3 for Lead: Sample dilution required due to sample matrix.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24557

FA1371-4 for Thallium: Sample dilution required due to sample matrix.
FA1371-3 for Magnesium: Sample dilution required due to sample matrix.
FA1371-5 for Iron: Sample dilution required due to sample matrix.
FA1371-6 for Antimony: Sample dilution required due to sample matrix.
FA1371-3 for Antimony: Sample dilution required due to sample matrix.
FA1371-3 for Aluminum: Sample dilution required due to sample matrix.
FA1371-4 for Vanadium: Sample dilution required due to sample matrix.
FA1371-12 for Antimony: Sample dilution required due to sample matrix.
FA1371-6 for Potassium: Sample dilution required due to sample matrix.
FA1371-12 for Magnesium: Sample dilution required due to sample matrix.
FA1371-12 for Lead: Sample dilution required due to sample matrix.
FA1371-12 for Iron: Sample dilution required due to sample matrix.
FA1371-12 for Chromium: Sample dilution required due to sample matrix.
FA1371-11 for Selenium: Sample dilution required due to sample matrix.
FA1371-12 for Cadmium: Sample dilution required due to sample matrix.
FA1371-11 for Sodium: Sample dilution required due to sample matrix.
FA1371-12 for Nickel: Sample dilution required due to sample matrix.
FA1371-12 for Arsenic: Sample dilution required due to sample matrix.
FA1371-12 for Potassium: Sample dilution required due to sample matrix.
FA1371-12 for Aluminum: Sample dilution required due to sample matrix.
FA1371-11 for Vanadium: Sample dilution required due to sample matrix.
FA1371-10 for Selenium: Sample dilution required due to sample matrix.
FA1371-12 for Calcium: Sample dilution required due to sample matrix.
FA1371-6 for Chromium: Sample dilution required due to sample matrix.
FA1371-10 for Thallium: Sample dilution required due to sample matrix.
FA1371-6 for Sodium: Sample dilution required due to sample matrix.
FA1371-6 for Selenium: Sample dilution required due to sample matrix.
FA1371-12 for Barium: Sample dilution required due to sample matrix.
FA1371-8 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1371-11 for Beryllium: Sample dilution required due to sample matrix.
FA1371-11 for Potassium: Sample dilution required due to sample matrix.
FA1371-11 for Nickel: Sample dilution required due to sample matrix.
FA1371-11 for Manganese: Sample dilution required due to sample matrix.
FA1371-11 for Magnesium: Sample dilution required due to sample matrix.
FA1371-11 for Lead: Sample dilution required due to sample matrix.
FA1371-11 for Iron: Sample dilution required due to sample matrix.
FA1371-11 for Chromium: Sample dilution required due to sample matrix.
FA1371-12 for Manganese: Sample dilution required due to sample matrix.
FA1371-11 for Cadmium: Sample dilution required due to sample matrix.
FA1371-11 for Arsenic: Sample dilution required due to sample matrix.
FA1371-11 for Barium: Sample dilution required due to sample matrix.
FA1371-8 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1371-11 for Antimony: Sample dilution required due to sample matrix.
FA1371-11 for Aluminum: Sample dilution required due to sample matrix.
FA1371-10 for Vanadium: Sample dilution required due to sample matrix.
FA1371-6 for Aluminum: Sample dilution required due to sample matrix.
FA1371-11 for Calcium: Sample dilution required due to sample matrix.
FA1371-12 for Beryllium: Sample dilution required due to sample matrix.
FA1371-10 for Sodium: Sample dilution required due to sample matrix.
FA1371-8 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1371-10 for Beryllium: Sample dilution required due to sample matrix.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24557

FA1371-10 for Barium: Sample dilution required due to sample matrix.
FA1371-10 for Arsenic: Sample dilution required due to sample matrix.
FA1371-10 for Antimony: Sample dilution required due to sample matrix.
FA1371-10 for Aluminum: Sample dilution required due to sample matrix.
FA1371-9 for Lead: Sample dilution required due to sample matrix.
FA1371-10 for Chromium: Sample dilution required due to sample matrix.
FA1371-8 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1371-10 for Calcium: Sample dilution required due to sample matrix.
FA1371-8 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1371-6 for Thallium: Sample dilution required due to sample matrix.
FA1371-8 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1371-8 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1371-8 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1371-8 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1371-2 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1371-8 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1371-11 for Thallium: Sample dilution required due to sample matrix.
FA1371-6 for Nickel: Sample dilution required due to sample matrix.
FA1371-8 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1371-9 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1371-6 for Manganese: Sample dilution required due to sample matrix.
FA1371-6 for Magnesium: Sample dilution required due to sample matrix.
FA1371-6 for Vanadium: Sample dilution required due to sample matrix.
FA1371-6 for Iron: Sample dilution required due to sample matrix.
FA1371-8 for Lead: Sample dilution required due to sample matrix.
FA1371-6 for Calcium: Sample dilution required due to sample matrix.
FA1371-6 for Cadmium: Sample dilution required due to sample matrix.
FA1371-6 for Beryllium: Sample dilution required due to sample matrix.
FA1371-12 for Thallium: Sample dilution required due to sample matrix.
FA1371-6 for Arsenic: Sample dilution required due to sample matrix.
FA1371-6 for Lead: Sample dilution required due to sample matrix.
FA1371-10 for Cadmium: Sample dilution required due to sample matrix.
FA1371-10 for Potassium: Sample dilution required due to sample matrix.
FA1371-10 for Nickel: Sample dilution required due to sample matrix.
FA1371-10 for Manganese: Sample dilution required due to sample matrix.
FA1371-10 for Magnesium: Sample dilution required due to sample matrix.
FA1371-10 for Lead: Sample dilution required due to sample matrix.
FA1371-10 for Iron: Sample dilution required due to sample matrix.
FA1371-6 for Barium: Sample dilution required due to sample matrix.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP20904

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) FA1353-1MS, FA1353-1MSD were used as the QC samples for 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.
FA1371-7 for Nitrogen, Nitrate: Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: SO **Batch ID:** GP20947

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) FA1371-12MS, FA1371-12MSD, FA1371-3MS, FA1371-3MSD were used as the QC samples for Fluoride, Nitrogen, Nitrate, Sulfate.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Fluoride and Nitrogen, Nitrate are outside control limits. Spike recovery indicates possible matrix interference.

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

FA1371-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1371-4 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1371-4 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 350.1

Matrix: AQ **Batch ID:** GP20913

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) FA1320-1MS, FA1320-1MSD were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP20971

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) FA1416-2MS, FA1416-2MSD were used as the QC samples for Nitrogen, Ammonia.

Matrix Spike Duplicate Recovery(s) for Nitrogen, Ammonia 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 351.2

Matrix: AQ **Batch ID:** GP20906

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) FA1330-2MSD, FA1330-2MS were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s) for Nitrogen, Total Kjeldahl are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for MSD for Nitrogen, Total Kjeldahl are outside control limits for sample GP20906-S2. High RPD due to matrix interference.

Wet Chemistry By Method EPA 351.2 M

Matrix: SO **Batch ID:** GP20924

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) FA1371-1MSD, FA1371-1MS were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information. For method performance in a clean matrix, refer to Blank Spike.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP20911

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) FA1229-1DUP, FA1229-1MS, FA1229-1MSD were used as the QC samples for Phosphorus, Total.

Wet Chemistry By Method EPA 365.3M

Matrix: SO **Batch ID:** GP20916

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) FA1371-2DUP, FA1371-2MSD 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. For method performance in a clean matrix, refer to Blank Spike.

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

Matrix: AQ **Batch ID:** GN53959

Sample(s) FA1371-7DUP was used as the QC sample for pH.

FA1371-7 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA1371-13 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN53990

Sample(s) FA1367-4DUP was used as the QC sample for Solids, Percent.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54102

Sample(s) FA1371-2DUP was used as the QC sample for pH.

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: February 15, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1371
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 01/29/13 thru 01/30/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1371-1	**A-37 (0-1)**					
Aluminum [a]		5740	100	10	mg/kg	SW846 6010C
Arsenic [a]		4.9 J	5.2	0.83	mg/kg	SW846 6010C
Barium [a]		48.0 J	100	2.6	mg/kg	SW846 6010C
Beryllium [a]		0.45 J	2.6	0.26	mg/kg	SW846 6010C
Cadmium [a]		8.5	2.1	0.26	mg/kg	SW846 6010C
Calcium [a]		64400	2600	26	mg/kg	SW846 6010C
Chromium [a]		46.5	5.2	0.94	mg/kg	SW846 6010C
Iron [a]		7980	160	37	mg/kg	SW846 6010C
Lead [b]		7.1	5.2	0.29	mg/kg	SW846 6010C
Magnesium [a]		8330	2600	40	mg/kg	SW846 6010C
Manganese [a]		172	7.8	0.47	mg/kg	SW846 6010C
Nickel [a]		36.0	21	0.26	mg/kg	SW846 6010C
Potassium [a]		906 J	5200	100	mg/kg	SW846 6010C
Selenium [a]		2.5 J	10	1.6	mg/kg	SW846 6010C
Sodium [a]		498 J	5200	260	mg/kg	SW846 6010C
Vanadium [a]		48.4	26	0.26	mg/kg	SW846 6010C
Fluoride		231	5.5	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		14.8	1.3	0.28	mg/kg	EPA 350.1 M
Nitrogen, Nitrate [c]		2.1 J	2.2	1.1	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		555	56	23	mg/kg	EPA 351.2 M
Phosphorus, Total		14800	4600	710	mg/kg	EPA 365.3M
Sulfate		117	44	13	mg/kg	EPA 300/SW846 9056A
pH		6.82			su	SW846 9045D
FA1371-2	**A-37 (1-2)**					
Aluminum [a]		6190	110	11	mg/kg	SW846 6010C
Arsenic [a]		4.6 J	5.5	0.89	mg/kg	SW846 6010C
Barium [a]		46.8 J	110	2.8	mg/kg	SW846 6010C
Beryllium [a]		0.49 J	2.8	0.28	mg/kg	SW846 6010C
Cadmium [a]		6.4	2.2	0.28	mg/kg	SW846 6010C
Calcium [a]		53000	2800	28	mg/kg	SW846 6010C
Chromium [a]		40.0	5.5	1.0	mg/kg	SW846 6010C
Iron [a]		6850	170	39	mg/kg	SW846 6010C
Lead [b]		7.9	5.5	0.30	mg/kg	SW846 6010C
Magnesium [a]		8860	2800	42	mg/kg	SW846 6010C
Manganese [a]		160	8.3	0.50	mg/kg	SW846 6010C
Nickel [a]		31.2	22	0.28	mg/kg	SW846 6010C
Potassium [a]		1050 J	5500	110	mg/kg	SW846 6010C
Selenium [a]		2.1 J	11	1.7	mg/kg	SW846 6010C
Sodium [a]		360 J	5500	280	mg/kg	SW846 6010C
Vanadium [a]		40.8	28	0.28	mg/kg	SW846 6010C
Fluoride		72.1	5.7	1.4	mg/kg	EPA 300/SW846 9056A

Summary of Hits

Job Number: FA1371
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 01/29/13 thru 01/30/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nitrogen, Ammonia		28.7	1.4	0.30	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		11.1	5.7	2.8	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		509	57	23	mg/kg	EPA 351.2 M
Phosphorus, Total		17500	5100	790	mg/kg	EPA 365.3M
pH		7.77			su	SW846 9045D
FA1371-3	**A-37 (4-5)**					
Aluminum [b]		15800	50	5.0	mg/kg	SW846 6010C
Arsenic [b]		4.6	2.5	0.40	mg/kg	SW846 6010C
Barium [b]		139	50	1.2	mg/kg	SW846 6010C
Beryllium [b]		1.1 J	1.2	0.12	mg/kg	SW846 6010C
Cadmium [b]		19.1	0.99	0.12	mg/kg	SW846 6010C
Calcium [b]		54300	1200	12	mg/kg	SW846 6010C
Chromium [b]		32.3	2.5	0.45	mg/kg	SW846 6010C
Iron [b]		14300	74	17	mg/kg	SW846 6010C
Lead [b]		7.5	5.0	0.27	mg/kg	SW846 6010C
Magnesium [b]		4600	1200	19	mg/kg	SW846 6010C
Manganese [b]		238	3.7	0.22	mg/kg	SW846 6010C
Nickel [b]		36.5	9.9	0.12	mg/kg	SW846 6010C
Potassium [b]		3040	2500	50	mg/kg	SW846 6010C
Sodium [b]		297 J	2500	120	mg/kg	SW846 6010C
Vanadium [b]		170	12	0.12	mg/kg	SW846 6010C
Fluoride		44.7	1.2	0.31	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		38.9	1.4	0.32	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		5.7	1.2	0.62	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		1330	130	51	mg/kg	EPA 351.2 M
Phosphorus, Total		42200	11000	1700	mg/kg	EPA 365.3M
Sulfate		244	25	7.5	mg/kg	EPA 300/SW846 9056A
pH		5.99			su	SW846 9045D
FA1371-4	**A-37 (9-10)**					
Aluminum [b]		8550	63	6.3	mg/kg	SW846 6010C
Arsenic [b]		3.0 J	3.1	0.50	mg/kg	SW846 6010C
Barium [b]		139	63	1.6	mg/kg	SW846 6010C
Beryllium [b]		0.47 J	1.6	0.16	mg/kg	SW846 6010C
Calcium [b]		154000	1600	16	mg/kg	SW846 6010C
Chromium [b]		15.7	3.1	0.56	mg/kg	SW846 6010C
Iron [b]		8940	94	22	mg/kg	SW846 6010C
Lead [b]		10.3	6.3	0.34	mg/kg	SW846 6010C
Magnesium [b]		7570	1600	24	mg/kg	SW846 6010C
Manganese [b]		677	4.7	0.28	mg/kg	SW846 6010C
Nickel [b]		8.3 J	13	0.16	mg/kg	SW846 6010C
Potassium [b]		1390 J	3100	63	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1371
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 01/29/13 thru 01/30/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Sodium [b]	342 J	3100	160	mg/kg	SW846 6010C
Vanadium [b]	21.4	16	0.16	mg/kg	SW846 6010C
Fluoride [c]	7.1	6.6	1.6	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	41.6	1.5	0.34	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	1020	66	27	mg/kg	EPA 351.2 M
Phosphorus, Total	11300	3300	510	mg/kg	EPA 365.3M
Sulfate	263	130	39	mg/kg	EPA 300/SW846 9056A
pH	6.98			su	SW846 9045D
FA1371-5 A-37 (14-15)					
Aluminum [b]	5220	51	5.1	mg/kg	SW846 6010C
Antimony [b]	1.0 J	5.1	0.48	mg/kg	SW846 6010C
Arsenic [b]	3.8	2.5	0.41	mg/kg	SW846 6010C
Barium [b]	167	51	1.3	mg/kg	SW846 6010C
Cadmium [b]	1.7	1.0	0.13	mg/kg	SW846 6010C
Calcium [b]	38100	1300	13	mg/kg	SW846 6010C
Chromium [b]	108	2.5	0.46	mg/kg	SW846 6010C
Iron [b]	12800	76	18	mg/kg	SW846 6010C
Lead [b]	5.3	5.1	0.28	mg/kg	SW846 6010C
Magnesium [b]	1410	1300	19	mg/kg	SW846 6010C
Manganese [b]	64.5	3.8	0.23	mg/kg	SW846 6010C
Nickel [b]	7.3 J	10	0.13	mg/kg	SW846 6010C
Potassium [b]	3220	2500	51	mg/kg	SW846 6010C
Sodium [b]	468 J	2500	130	mg/kg	SW846 6010C
Vanadium [b]	33.5	13	0.13	mg/kg	SW846 6010C
Fluoride	924	30	7.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	36.9	1.4	0.31	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	264	11	4.6	mg/kg	EPA 351.2 M
Phosphorus, Total	8920	2700	420	mg/kg	EPA 365.3M
Sulfate	19300	600	180	mg/kg	EPA 300/SW846 9056A
pH	4.53			su	SW846 9045D
FA1371-6 A-37 (18-19)					
Aluminum [b]	22600	54	5.4	mg/kg	SW846 6010C
Arsenic [b]	8.4	2.7	0.43	mg/kg	SW846 6010C
Barium [b]	112	54	1.3	mg/kg	SW846 6010C
Beryllium [b]	0.87 J	1.3	0.13	mg/kg	SW846 6010C
Cadmium [b]	1.1	1.1	0.13	mg/kg	SW846 6010C
Calcium [b]	8410	1300	13	mg/kg	SW846 6010C
Chromium [b]	29.4	2.7	0.49	mg/kg	SW846 6010C
Iron [b]	23500	81	19	mg/kg	SW846 6010C
Lead [b]	6.2	5.4	0.30	mg/kg	SW846 6010C
Magnesium [b]	5370	1300	20	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1371
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 01/29/13 thru 01/30/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Manganese [b]	128	4.0	0.24	mg/kg	SW846 6010C
Nickel [b]	18.3	11	0.13	mg/kg	SW846 6010C
Potassium [b]	3400	2700	54	mg/kg	SW846 6010C
Sodium [b]	331 J	2700	130	mg/kg	SW846 6010C
Vanadium [b]	41.7	13	0.13	mg/kg	SW846 6010C
Fluoride	147	6.0	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	47.1	1.4	0.30	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	197	11	4.6	mg/kg	EPA 351.2 M
Phosphorus, Total	6240	1500	230	mg/kg	EPA 365.3M
Sulfate	8630	240	72	mg/kg	EPA 300/SW846 9056A
pH	4.10			su	SW846 9045D
FA1371-7 SOIL-EB-1/29/13					
Aluminum	15.8 J	200	15	ug/l	SW846 6010C
Calcium	219 J	1000	50	ug/l	SW846 6010C
Iron	393	300	29	ug/l	SW846 6010C
Lead	13.3	5.0	1.1	ug/l	SW846 6010C
Magnesium	96.8 J	5000	74	ug/l	SW846 6010C
Manganese	20.3	15	0.70	ug/l	SW846 6010C
Fluoride	0.091 J	0.20	0.060	mg/l	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	0.51 J	0.53	0.17	mg/l	EPA 351.2
pH [d]	6.17			su	SM 4500H B/SW 9040C
FA1371-8 A-38 (0-1)					
Aluminum [a]	4460	86	8.6	mg/kg	SW846 6010C
Antimony [a]	0.99 J	8.6	0.81	mg/kg	SW846 6010C
Arsenic [a]	3.4 J	4.3	0.69	mg/kg	SW846 6010C
Barium [a]	48.6 J	86	2.1	mg/kg	SW846 6010C
Beryllium [a]	0.31 J	2.1	0.21	mg/kg	SW846 6010C
Cadmium [a]	8.1	1.7	0.21	mg/kg	SW846 6010C
Calcium [a]	132000	2100	21	mg/kg	SW846 6010C
Chromium [a]	32.2	4.3	0.77	mg/kg	SW846 6010C
Iron [a]	5840	130	30	mg/kg	SW846 6010C
Lead [b]	11.2	4.3	0.24	mg/kg	SW846 6010C
Magnesium [a]	30600	2100	33	mg/kg	SW846 6010C
Manganese [a]	567	6.4	0.39	mg/kg	SW846 6010C
Nickel [a]	26.9	17	0.21	mg/kg	SW846 6010C
Potassium [a]	967 J	4300	86	mg/kg	SW846 6010C
Sodium [a]	466 J	4300	210	mg/kg	SW846 6010C
Vanadium [a]	49.4	21	0.21	mg/kg	SW846 6010C
Fluoride	152	5.5	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	11.1	1.3	0.28	mg/kg	EPA 350.1 M
Nitrogen, Nitrate	23.2	1.1	0.55	mg/kg	EPA 300/SW846 9056A

Summary of Hits

Job Number: FA1371
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 01/29/13 thru 01/30/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Nitrogen, Total Kjeldahl	228	11	4.3	mg/kg	EPA 351.2 M
Phosphorus, Total	19200	3900	610	mg/kg	EPA 365.3M
Sulfate	313	22	6.6	mg/kg	EPA 300/SW846 9056A
pH	7.33			su	SW846 9045D
FA1371-9 A-38 (1-2)					
Aluminum [a]	14500	120	12	mg/kg	SW846 6010C
Arsenic [a]	4.3 J	5.8	0.92	mg/kg	SW846 6010C
Barium [a]	179	120	2.9	mg/kg	SW846 6010C
Cadmium [a]	4.2	2.3	0.29	mg/kg	SW846 6010C
Calcium [a]	52600	2900	29	mg/kg	SW846 6010C
Chromium [a]	118	5.8	1.0	mg/kg	SW846 6010C
Iron [a]	10500	170	40	mg/kg	SW846 6010C
Lead [b]	34.9	5.8	0.32	mg/kg	SW846 6010C
Magnesium [a]	1220 J	2900	44	mg/kg	SW846 6010C
Manganese [a]	56.9	8.6	0.52	mg/kg	SW846 6010C
Nickel [a]	5.5 J	23	0.29	mg/kg	SW846 6010C
Potassium [a]	2400 J	5800	120	mg/kg	SW846 6010C
Sodium [a]	3310 J	5800	290	mg/kg	SW846 6010C
Vanadium [a]	58.2	29	0.29	mg/kg	SW846 6010C
Fluoride	451	13	3.2	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	81.9	1.5	0.33	mg/kg	EPA 350.1 M
Nitrogen, Nitrate	2.5	1.3	0.63	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	333	12	4.8	mg/kg	EPA 351.2 M
Phosphorus, Total	14700	5800	890	mg/kg	EPA 365.3M
Sulfate	2430	250	76	mg/kg	EPA 300/SW846 9056A
pH	6.32			su	SW846 9045D
FA1371-10 A-38 (4-5)					
Aluminum [b]	1490	62	6.2	mg/kg	SW846 6010C
Antimony [b]	1.6 J	6.2	0.59	mg/kg	SW846 6010C
Arsenic [b]	3.7	3.1	0.49	mg/kg	SW846 6010C
Barium [b]	649	62	1.5	mg/kg	SW846 6010C
Cadmium [b]	2.1	1.2	0.15	mg/kg	SW846 6010C
Calcium [b]	24300	1500	15	mg/kg	SW846 6010C
Chromium [b]	67.4	3.1	0.55	mg/kg	SW846 6010C
Iron [b]	5350	92	22	mg/kg	SW846 6010C
Lead [b]	23.3	6.2	0.34	mg/kg	SW846 6010C
Magnesium [b]	141 J	1500	23	mg/kg	SW846 6010C
Manganese [b]	12.0	4.6	0.28	mg/kg	SW846 6010C
Nickel [b]	2.5 J	12	0.15	mg/kg	SW846 6010C
Potassium [b]	1170 J	3100	62	mg/kg	SW846 6010C
Selenium [b]	1.8 J	6.2	0.92	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1371
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 01/29/13 thru 01/30/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium [b]		163 J	3100	150	mg/kg	SW846 6010C
Thallium [b]		0.92 J	3.1	0.55	mg/kg	SW846 6010C
Vanadium [b]		28.9	15	0.15	mg/kg	SW846 6010C
Fluoride		417	13	3.2	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		77.2	1.5	0.32	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		803	62	25	mg/kg	EPA 351.2 M
Phosphorus, Total		4930	1500	230	mg/kg	EPA 365.3M
Sulfate		18800	640	190	mg/kg	EPA 300/SW846 9056A
pH		3.54			su	SW846 9045D
FA1371-11	**A-38 (9-10)**					
Aluminum [b]		17400	44	4.4	mg/kg	SW846 6010C
Arsenic [b]		3.2	2.2	0.35	mg/kg	SW846 6010C
Barium [b]		90.3	44	1.1	mg/kg	SW846 6010C
Beryllium [b]		0.63 J	1.1	0.11	mg/kg	SW846 6010C
Cadmium [b]		3.1	0.87	0.11	mg/kg	SW846 6010C
Calcium [b]		16500	1100	11	mg/kg	SW846 6010C
Chromium [b]		40.6	2.2	0.39	mg/kg	SW846 6010C
Iron [b]		13000	65	15	mg/kg	SW846 6010C
Lead [b]		6.9	4.4	0.24	mg/kg	SW846 6010C
Magnesium [b]		4190	1100	17	mg/kg	SW846 6010C
Manganese [b]		95.6	3.3	0.20	mg/kg	SW846 6010C
Nickel [b]		16.8	8.7	0.11	mg/kg	SW846 6010C
Potassium [b]		2490	2200	44	mg/kg	SW846 6010C
Sodium [b]		395 J	2200	110	mg/kg	SW846 6010C
Vanadium [b]		42.1	11	0.11	mg/kg	SW846 6010C
Fluoride		83.2	12	3.1	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		209	2.9	0.64	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		363	12	4.8	mg/kg	EPA 351.2 M
Phosphorus, Total		15200	5200	800	mg/kg	EPA 365.3M
Sulfate		11700	620	190	mg/kg	EPA 300/SW846 9056A
pH		5.33			su	SW846 9045D
FA1371-12	**A-38 (14-15)**					
Aluminum [b]		16900	52	5.2	mg/kg	SW846 6010C
Arsenic [b]		1.9 J	2.6	0.42	mg/kg	SW846 6010C
Barium [b]		72.5	52	1.3	mg/kg	SW846 6010C
Cadmium [b]		0.75 J	1.0	0.13	mg/kg	SW846 6010C
Calcium [b]		16100	1300	13	mg/kg	SW846 6010C
Chromium [b]		55.7	2.6	0.47	mg/kg	SW846 6010C
Iron [b]		42600	78	18	mg/kg	SW846 6010C
Magnesium [b]		21800	1300	20	mg/kg	SW846 6010C
Manganese [b]		495	3.9	0.23	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1371
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 01/29/13 thru 01/30/13

3

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Nickel [b]	73.3	10	0.13	mg/kg	SW846 6010C
Potassium [b]	1010 J	2600	52	mg/kg	SW846 6010C
Sodium [b]	2580 J	2600	130	mg/kg	SW846 6010C
Vanadium [b]	63.4	13	0.13	mg/kg	SW846 6010C
Fluoride	51.4	1.1	0.28	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	58.5	1.3	0.29	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	109	11	4.4	mg/kg	EPA 351.2 M
Phosphorus, Total	9480	2800	430	mg/kg	EPA 365.3M
Sulfate	14000	560	170	mg/kg	EPA 300/SW846 9056A
pH	5.66			su	SW846 9045D
FA1371-13 SOIL-EB-1/30/13					
Aluminum	32.9 J	200	15	ug/l	SW846 6010C
Calcium	135 J	1000	50	ug/l	SW846 6010C
Iron	72.9 J	300	29	ug/l	SW846 6010C
Lead	18.4	5.0	1.1	ug/l	SW846 6010C
Manganese	2.7 J	15	0.70	ug/l	SW846 6010C
Nitrogen, Total Kjeldahl	0.43 J	0.53	0.17	mg/l	EPA 351.2
Sulfate	0.60 J	2.0	0.60	mg/l	EPA 300/SW846 9056A
pH [d]	5.66			su	SM 4500H B/SW 9040C

(a) Elevated reporting limit(s) due to matrix interference.
(b) Sample dilution required due to sample matrix.
(c) Dilution required due to matrix interference.
(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-37 (0-1)		
Lab Sample ID:	FA1371-1	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	91.3
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	5740	100	10	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	0.99 U	10	0.99	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	4.9 J	5.2	0.83	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	48.0 J	100	2.6	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.45 J	2.6	0.26	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	8.5	2.1	0.26	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	64400	2600	26	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	46.5	5.2	0.94	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	7980	160	37	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	7.1	5.2	0.29	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	8330	2600	40	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	172	7.8	0.47	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	36.0	21	0.26	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	906 J	5200	100	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	2.5 J	10	1.6	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	498 J	5200	260	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	0.94 U	5.2	0.94	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	48.4	26	0.26	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10509
(2) Instrument QC Batch: MA10513
(3) Prep QC Batch: MP24557

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-37 (0-1)		
Lab Sample ID:	FA1371-1	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	91.3
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	231	5.5	1.4	mg/kg	5	02/11/13 13:43	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	14.8	1.3	0.28	mg/kg	1	02/13/13 14:55	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	2.1 J	2.2	1.1	mg/kg	2	02/08/13 16:53	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	555	56	23	mg/kg	5	02/07/13 11:49	MG	EPA 351.2 M
Phosphorus, Total	14800	4600	710	mg/kg	250	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	91.3			%	1	02/04/13	LE	SM19 2540G
Sulfate	117	44	13	mg/kg	2	02/08/13 16:53	AA	EPA 300/SW846 9056A
pH	6.82			su	1	02/12/13 10:35	AC	SW846 9045D

(a) Dilution required 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-37 (1-2)		
Lab Sample ID:	FA1371-2	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	88.5
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	6190	110	11	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	1.1 U	11	1.1	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	4.6 J	5.5	0.89	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	46.8 J	110	2.8	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.49 J	2.8	0.28	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	6.4	2.2	0.28	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	53000	2800	28	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	40.0	5.5	1.0	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	6850	170	39	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	7.9	5.5	0.30	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	8860	2800	42	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	160	8.3	0.50	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	31.2	22	0.28	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	1050 J	5500	110	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	2.1 J	11	1.7	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	360 J	5500	280	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	1.0 U	5.5	1.0	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	40.8	28	0.28	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10509
(2) Instrument QC Batch: MA10513
(3) Prep QC Batch: MP24557

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-37 (1-2)		
Lab Sample ID:	FA1371-2	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	88.5
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	72.1	5.7	1.4	mg/kg	5	02/08/13 17:09	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	28.7	1.4	0.30	mg/kg	1	02/13/13 14:56	VK	EPA 350.1 M
Nitrogen, Nitrate	11.1	5.7	2.8	mg/kg	5	02/08/13 17:09	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	509	57	23	mg/kg	5	02/07/13 11:46	MG	EPA 351.2 M
Phosphorus, Total	17500	5100	790	mg/kg	100	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	88.5			%	1	02/04/13	LE	SM19 2540G
Sulfate	34 U	110	34	mg/kg	5	02/08/13 17:09	AA	EPA 300/SW846 9056A
pH	7.77			su	1	02/12/13 10:35	AC	SW846 9045D

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-37 (4-5)		
Lab Sample ID:	FA1371-3	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	80.1
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	15800	50	5.0	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.47 U	5.0	0.47	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.6	2.5	0.40	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	139	50	1.2	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	1.1 J	1.2	0.12	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	19.1	0.99	0.12	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	54300	1200	12	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	32.3	2.5	0.45	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	14300	74	17	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	7.5	5.0	0.27	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	4600	1200	19	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	238	3.7	0.22	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	36.5	9.9	0.12	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	3040	2500	50	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.74 U	5.0	0.74	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	297 J	2500	120	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	9.0 U	25	9.0	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	170	12	0.12	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10509
(2) Prep QC Batch: MP24557

(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-37 (4-5)		
Lab Sample ID:	FA1371-3	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	80.1
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	44.7	1.2	0.31	mg/kg	1	02/08/13 17:25	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	38.9	1.4	0.32	mg/kg	1	02/13/13 14:57	VK	EPA 350.1 M
Nitrogen, Nitrate	5.7	1.2	0.62	mg/kg	1	02/08/13 17:25	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	1330	130	51	mg/kg	10	02/07/13 12:03	MG	EPA 351.2 M
Phosphorus, Total	42200	11000	1700	mg/kg	250	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	80.1			%	1	02/04/13	LE	SM19 2540G
Sulfate	244	25	7.5	mg/kg	1	02/08/13 17:25	AA	EPA 300/SW846 9056A
pH	5.99			su	1	02/12/13 10:35	AC	SW846 9045D

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-37 (9-10)
Lab Sample ID: FA1371-4
Matrix: SO - Soil
Date Sampled: 01/29/13
Date Received: 02/01/13
Percent Solids: 76.1
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	8550	63	6.3	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.59 U	6.3	0.59	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	3.0 J	3.1	0.50	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	139	63	1.6	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.47 J	1.6	0.16	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	0.16 U	1.3	0.16	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	154000	1600	16	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	15.7	3.1	0.56	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	8940	94	22	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	10.3	6.3	0.34	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	7570	1600	24	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	677	4.7	0.28	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	8.3 J	13	0.16	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1390 J	3100	63	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.94 U	6.3	0.94	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	342 J	3100	160	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.56 U	3.1	0.56	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	21.4	16	0.16	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10509
(2) Prep QC Batch: MP24557

(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-37 (9-10)		
Lab Sample ID:	FA1371-4	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	76.1
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride [a]	7.1	6.6	1.6	mg/kg	5	02/08/13 17:41	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	41.6	1.5	0.34	mg/kg	1	02/13/13 15:17	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.3 U	6.6	3.3	mg/kg	5	02/08/13 17:41	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	1020	66	27	mg/kg	5	02/07/13 11:52	MG	EPA 351.2 M
Phosphorus, Total	11300	3300	510	mg/kg	50	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	76.1			%	1	02/04/13	LE	SM19 2540G
Sulfate	263	130	39	mg/kg	5	02/08/13 17:41	AA	EPA 300/SW846 9056A
pH	6.98			su	1	02/12/13 10:35	AC	SW846 9045D

(a) Dilution required 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-37 (14-15)		
Lab Sample ID:	FA1371-5	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	83.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	5220	51	5.1	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	1.0 J	5.1	0.48	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	3.8	2.5	0.41	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	167	51	1.3	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.13 U	1.3	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	1.7	1.0	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	38100	1300	13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	108	2.5	0.46	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	12800	76	18	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	5.3	5.1	0.28	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	1410	1300	19	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	64.5	3.8	0.23	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	7.3 J	10	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	3220	2500	51	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.76 U	5.1	0.76	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	468 J	2500	130	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.46 U	2.5	0.46	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	33.5	13	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10509
(2) Prep QC Batch: MP24557

(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-37 (14-15)		
Lab Sample ID:	FA1371-5	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	83.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	924	30	7.5	mg/kg	25	02/11/13 13:59	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	36.9	1.4	0.31	mg/kg	1	02/13/13 14:59	VK	EPA 350.1 M
Nitrogen, Nitrate	0.60 U	1.2	0.60	mg/kg	1	02/08/13 17:57	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	264	11	4.6	mg/kg	1	02/07/13 11:20	MG	EPA 351.2 M
Phosphorus, Total	8920	2700	420	mg/kg	50	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	83.2			%	1	02/04/13	LE	SM19 2540G
Sulfate	19300	600	180	mg/kg	25	02/11/13 13:59	AA	EPA 300/SW846 9056A
pH	4.53			su	1	02/12/13 10:35	AC	SW846 9045D

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-37 (18-19)
Lab Sample ID: FA1371-6
Matrix: SO - Soil
Date Sampled: 01/29/13
Date Received: 02/01/13
Percent Solids: 83.5
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	22600	54	5.4	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.51 U	5.4	0.51	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	8.4	2.7	0.43	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	112	54	1.3	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.87 J	1.3	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	1.1	1.1	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	8410	1300	13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	29.4	2.7	0.49	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	23500	81	19	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	6.2	5.4	0.30	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	5370	1300	20	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	128	4.0	0.24	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	18.3	11	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	3400	2700	54	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.81 U	5.4	0.81	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	331 J	2700	130	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.49 U	2.7	0.49	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	41.7	13	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10509
(2) Prep QC Batch: MP24557

(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-37 (18-19)		
Lab Sample ID:	FA1371-6	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	83.5
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	147	6.0	1.5	mg/kg	5	02/11/13 14:15	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	47.1	1.4	0.30	mg/kg	1	02/13/13 15:02	VK	EPA 350.1 M
Nitrogen, Nitrate	0.60 U	1.2	0.60	mg/kg	1	02/08/13 18:12	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	197	11	4.6	mg/kg	1	02/07/13 11:23	MG	EPA 351.2 M
Phosphorus, Total	6240	1500	230	mg/kg	25	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	83.5			%	1	02/04/13	LE	SM19 2540G
Sulfate	8630	240	72	mg/kg	10	02/11/13 17:25	AA	EPA 300/SW846 9056A
pH	4.10			su	1	02/12/13 10:35	AC	SW846 9045D

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:	SOIL-EB-1/29/13		
Lab Sample ID:	FA1371-7	**Date Sampled:**	01/29/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/01/13
		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	15.8 J	200	15	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Barium	1.0 U	200	1.0	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	219 J	1000	50	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	393	300	29	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	13.3	5.0	1.1	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	96.8 J	5000	74	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	20.3	15	0.70	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.50 U	40	0.50	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	1.3 U	10	1.3	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.0 U	50	1.0	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10513
(2) Prep QC Batch: MP24563

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:	SOIL-EB-1/29/13		
Lab Sample ID:	FA1371-7	**Date Sampled:**	01/29/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/01/13
		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
Fluoride	0.091 J	0.20	0.060	mg/l	1	02/01/13 11:41	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	0.030 U	0.10	0.030	mg/l	1	02/05/13 11:45	TC	EPA 350.1
Nitrogen, Nitrate [a]	0.050 U	0.10	0.050	mg/l	1	02/01/13 11:41	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	0.51 J	0.53	0.17	mg/l	1	02/04/13 12:23	MG	EPA 351.2
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/05/13 08:20	LE	EPA 365.3
Sulfate	0.60 U	2.0	0.60	mg/l	1	02/01/13 11:41	AA	EPA 300/SW846 9056A
pH [b]	6.17			su	1	02/01/13 13:20	LE	SM 4500H B/SW 9040C

(a) Sample received outside the holding time.
(b) 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-38 (0-1)		
Lab Sample ID:	FA1371-8	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	91.1
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	4460	86	8.6	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	0.99 J	8.6	0.81	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	3.4 J	4.3	0.69	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	48.6 J	86	2.1	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.31 J	2.1	0.21	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	8.1	1.7	0.21	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	132000	2100	21	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	32.2	4.3	0.77	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	5840	130	30	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	11.2	4.3	0.24	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	30600	2100	33	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	567	6.4	0.39	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	26.9	17	0.21	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	967 J	4300	86	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	1.3 U	8.6	1.3	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	466 J	4300	210	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	0.77 U	4.3	0.77	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	49.4	21	0.21	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10509
(2) Instrument QC Batch: MA10513
(3) Prep QC Batch: MP24557

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-38 (0-1)		
Lab Sample ID:	FA1371-8	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	91.1
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	152	5.5	1.4	mg/kg	5	02/11/13 17:41	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	11.1	1.3	0.28	mg/kg	1	02/13/13 15:03	VK	EPA 350.1 M
Nitrogen, Nitrate	23.2	1.1	0.55	mg/kg	1	02/08/13 18:28	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	228	11	4.3	mg/kg	1	02/07/13 11:53	MG	EPA 351.2 M
Phosphorus, Total	19200	3900	610	mg/kg	100	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	91.1			%	1	02/04/13	LE	SM19 2540G
Sulfate	313	22	6.6	mg/kg	1	02/08/13 18:28	AA	EPA 300/SW846 9056A
pH	7.33			su	1	02/12/13 10:35	AC	SW846 9045D

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-38 (1-2)
Lab Sample ID: FA1371-9
Matrix: SO - Soil
Date Sampled: 01/29/13
Date Received: 02/01/13
Percent Solids: 78.9
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	14500	120	12	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	1.1 U	12	1.1	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	4.3 J	5.8	0.92	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	179	120	2.9	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.29 U	2.9	0.29	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	4.2	2.3	0.29	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	52600	2900	29	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	118	5.8	1.0	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	10500	170	40	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	34.9	5.8	0.32	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	1220 J	2900	44	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	56.9	8.6	0.52	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	5.5 J	23	0.29	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	2400 J	5800	120	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	1.7 U	12	1.7	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	3310 J	5800	290	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	1.0 U	5.8	1.0	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	58.2	29	0.29	mg/kg	10	02/01/13	02/05/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10509
(2) Instrument QC Batch: MA10513
(3) Prep QC Batch: MP24557

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-38 (1-2)		
Lab Sample ID:	FA1371-9	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	78.9
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	451	13	3.2	mg/kg	10	02/11/13 14:46	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	81.9	1.5	0.33	mg/kg	1	02/13/13 15:04	VK	EPA 350.1 M
Nitrogen, Nitrate	2.5	1.3	0.63	mg/kg	1	02/08/13 19:32	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	333	12	4.8	mg/kg	1	02/07/13 11:25	MG	EPA 351.2 M
Phosphorus, Total	14700	5800	890	mg/kg	100	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	78.9			%	1	02/04/13	LE	SM19 2540G
Sulfate	2430	250	76	mg/kg	10	02/11/13 14:46	AA	EPA 300/SW846 9056A
pH	6.32			su	1	02/12/13 10:35	AC	SW846 9045D

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-38 (4-5)		
Lab Sample ID:	FA1371-10	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	78.0
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	1490	62	6.2	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	1.6 J	6.2	0.59	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	3.7	3.1	0.49	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	649	62	1.5	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.15 U	1.5	0.15	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	2.1	1.2	0.15	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	24300	1500	15	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	67.4	3.1	0.55	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	5350	92	22	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	23.3	6.2	0.34	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	141 J	1500	23	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	12.0	4.6	0.28	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	2.5 J	12	0.15	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1170 J	3100	62	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.8 J	6.2	0.92	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	163 J	3100	150	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.92 J	3.1	0.55	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	28.9	15	0.15	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10509
(2) Prep QC Batch: MP24557

(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-38 (4-5)		
Lab Sample ID:	FA1371-10	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	78.0
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	417	13	3.2	mg/kg	10	02/11/13 15:02	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	77.2	1.5	0.32	mg/kg	1	02/13/13 15:05	VK	EPA 350.1 M
Nitrogen, Nitrate	0.64 U	1.3	0.64	mg/kg	1	02/08/13 19:48	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	803	62	25	mg/kg	5	02/07/13 11:54	MG	EPA 351.2 M
Phosphorus, Total	4930	1500	230	mg/kg	25	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	78			%	1	02/04/13	LE	SM19 2540G
Sulfate	18800	640	190	mg/kg	25	02/11/13 17:57	AA	EPA 300/SW846 9056A
pH	3.54			su	1	02/12/13 10:35	AC	SW846 9045D

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-38 (9-10)		
Lab Sample ID:	FA1371-11	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	80.9
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	17400	44	4.4	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.41 U	4.4	0.41	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	3.2	2.2	0.35	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	90.3	44	1.1	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.63 J	1.1	0.11	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	3.1	0.87	0.11	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	16500	1100	11	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	40.6	2.2	0.39	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	13000	65	15	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	6.9	4.4	0.24	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	4190	1100	17	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	95.6	3.3	0.20	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	16.8	8.7	0.11	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	2490	2200	44	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.65 U	4.4	0.65	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	395 J	2200	110	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.39 U	2.2	0.39	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	42.1	11	0.11	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10509
(2) Prep QC Batch: MP24557

(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-38 (9-10)		
Lab Sample ID:	FA1371-11	**Date Sampled:**	01/29/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	80.9
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	83.2	12	3.1	mg/kg	10	02/11/13 15:18	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	209	2.9	0.64	mg/kg	2	02/13/13 15:18	VK	EPA 350.1 M
Nitrogen, Nitrate	0.62 U	1.2	0.62	mg/kg	1	02/08/13 20:04	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	363	12	4.8	mg/kg	1	02/07/13 11:27	MG	EPA 351.2 M
Phosphorus, Total	15200	5200	800	mg/kg	100	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	80.9			%	1	02/04/13	LE	SM19 2540G
Sulfate	11700	620	190	mg/kg	25	02/11/13 18:13	AA	EPA 300/SW846 9056A
pH	5.33			su	1	02/12/13 10:35	AC	SW846 9045D

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-38 (14-15)		
Lab Sample ID:	FA1371-12	**Date Sampled:**	01/30/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	88.8
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	16900	52	5.2	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.50 U	5.2	0.50	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	1.9 J	2.6	0.42	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	72.5	52	1.3	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.13 U	1.3	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	0.75 J	1.0	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	16100	1300	13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	55.7	2.6	0.47	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	42600	78	18	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	12 U	21	12	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	21800	1300	20	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	495	3.9	0.23	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	73.3	10	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1010 J	2600	52	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.78 U	5.2	0.78	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	2580 J	2600	130	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	4.7 U	10	4.7	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	63.4	13	0.13	mg/kg	5	02/01/13	02/04/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10509
(2) Prep QC Batch: MP24557

(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-38 (14-15)		
Lab Sample ID:	FA1371-12	**Date Sampled:**	01/30/13
Matrix:	SO - Soil	**Date Received:**	02/01/13
		Percent Solids:	88.8
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	51.4	1.1	0.28	mg/kg	1	02/08/13 20:20	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	58.5	1.3	0.29	mg/kg	1	02/13/13 15:07	VK	EPA 350.1 M
Nitrogen, Nitrate	0.56 U	1.1	0.56	mg/kg	1	02/08/13 20:20	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	109	11	4.4	mg/kg	1	02/07/13 11:28	MG	EPA 351.2 M
Phosphorus, Total	9480	2800	430	mg/kg	50	02/05/13 13:46	LE	EPA 365.3M
Solids, Percent	88.8			%	1	02/04/13	LE	SM19 2540G
Sulfate	14000	560	170	mg/kg	25	02/12/13 16:15	AA	EPA 300/SW846 9056A
pH	5.66			su	1	02/12/13 10:35	AC	SW846 9045D

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:	SOIL-EB-1/30/13		
Lab Sample ID:	FA1371-13	**Date Sampled:**	01/30/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/01/13
		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	32.9 J	200	15	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Barium	1.0 U	200	1.0	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	135 J	1000	50	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	72.9 J	300	29	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	18.4	5.0	1.1	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	2.7 J	15	0.70	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.50 U	40	0.50	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	1.3 U	10	1.3	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.0 U	50	1.0	ug/l	1	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10513
(2) Prep QC Batch: MP24563

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:	SOIL-EB-1/30/13		
Lab Sample ID:	FA1371-13	**Date Sampled:**	01/30/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/01/13
		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
Fluoride	0.060 U	0.20	0.060	mg/l	1	02/01/13 11:57	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	0.030 U	0.10	0.030	mg/l	1	02/05/13 11:46	TC	EPA 350.1
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	02/01/13 11:57	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	0.43 J	0.53	0.17	mg/l	1	02/04/13 12:24	MG	EPA 351.2
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/05/13 08:20	LE	EPA 365.3
Sulfate	0.60 J	2.0	0.60	mg/l	1	02/01/13 11:57	AA	EPA 300/SW846 9056A
pH [a]	5.66			su	1	02/01/13 13:20	LE	SM 4500H B/SW 9040C

(a) 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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY RECORD

FA1371

Page 1 of 1

Nº 02969

Project Number: 45923

Site and Location: Agrium CPO Soda Springs ID

Contact Name: Tim. Huff@WSPGroup.com

Contact Email:

Sampler's Name: Isaac Pelz

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

Sample Identification	Depth	Date	Time	Matrix	Number of Containers	Metals, F	NO_3, SO_4	pH	Total Phosphorus	TKN, ammonia	Total Metals, F				Remarks
A-37 (0-1)	0-1	1/29/13	1150	S	1	X	X	X	X	X					1
A-37 (1-2)	1-2		1152	S	1	X	X	X	X	X					2
A-37 (4-5)	4-5		1154	S	1	X	X	X	X	X					3
A-37 (9-10)	9-10		1217	S	1	X	X	X	X	X					4
A-37 (14-15)	14-15		1247	S	1	X	X	X	X	X					5
A-37 (18-19)	18-19		1332	S	1	X	X	X	X	X					6
Soil-EB-1/29/13	—		1550	Aq	4		X	X	X	X	X				7
A-38 (0-1)	0-1		1615	S	1	X	X	X	X	X					8
A-38 (1-2)	1-2		1617	S	1	X	X	X	X	X					9
A-38 (4-5)	4-5		1619	S	1	X	X	X	X	X					10
A-38 (9-10)	9-10	↓	1638	S	1	X	X	X	X	X					11
A-38 (14-15)	14-15	1/30/13	1005	S	1	X	X	X	X	X					12
Soil-EB-1/30/13	—	1/30/13	1225	Aq	4		X	X	X	X	X				13
						8									

Relinquished by (Signature): [signature] — Date / Time: 1/30/13 1300

Received by (Signature): [signature]

Relinquished by (Signature): FP — Date / Time: 02-01-13 945

Received by (Signature): [signature] ACCUTEST

Turn-Around Time: Standard

Tracking Number: 801357084031

Laboratory Name: Accutest

Laboratory Location: Orlando, Fl

Custody Seal Numbers: 1, 2

Method of Shipment: Fedex

WSP Environment & Energy

3.6

- ☐ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☒ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA1371: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1371 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 02-01-13 945 (MM/DD/YY 24:00) NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8013 5700 4031

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: Sample #7 NO3 bottle out of Hold time

TECHNICIAN SIGNATURE/DATE: R Willm 02-01-13 REVIEWER SIGNATURE/DATE: 02/01/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA1371: Chain of Custody
Page 2 of 3

Job Change Order: FA1371_2/6/2013

Requested Date:	2/6/2013	**Received Date:**	2/1/2013
Account Name:	WSP Environment & Energy	**Due Date:**	2/15/2013
Project Description:	Nu-West Conda Phosphate Operations, 3010	**Deliverable:**	REDT1
CSR:	AC	**TAT (Days):**	9

Sample #:
FA1371-all

Change: Please add nickel to the metals list.

Above Changes Tim Huff **Date:** 2/6/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

FA1371: Chain of Custody
Page 3 of 3

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: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:03	MA10509-STD1	1		STDA
08:08	MA10509-STD2	1		STDB
08:11	MA10509-STD3	1		STDC
08:15	MA10509-STD4	1		STDD
08:21	MA10509-HSTD1	1		
08:30	MA10509-ICV1	1		
08:39	MA10509-ICB1	1		
08:43	MA10509-CRIA1	1		
08:52	MA10509-ICSA1	1		
09:00	MA10509-ICSAB1	1		
09:10	MA10509-CCV1	1		
09:17	MA10509-CCB1	1		
09:21	MP24557-MB1	1		
09:25	MP24557-B1	1		
09:29	FA1370-1	1		(sample used for QC only; not part of login FA1371)
09:33	MP24557-D1	1		
09:37	MP24557-SD1	5		
09:43	MP24557-PS1	1		
09:47	MP24557-S1	1		
09:51	MP24557-S2	1		
09:55	ZZZZZZ	1		
09:59	FA1371-1	5		
10:03	MA10509-CCV2	1		
10:08	MA10509-CCB2	1		
10:32	MA10509-CCV3	1		
10:39	MA10509-CCB3	1		
10:43	FA1371-2	5		
10:47	FA1371-3	5		
10:51	FA1371-4	5		
10:55	FA1371-5	5		
11:00	FA1371-6	5		
11:04	FA1371-8	5		
11:08	FA1371-9	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:12	FA1371-10	5		
	11:16	FA1371-11	5		
	11:20	FA1371-12	5		
---------->	Last reportable sample/prep for job FA1371				
	11:25	MA10509-CCV4	1		
	11:29	MA10509-CCB4	1		
	11:33	ZZZZZZ	1		
	11:37	ZZZZZZ	1		
	11:41	ZZZZZZ	1		
	11:45	ZZZZZZ	1		
	11:50	ZZZZZZ	1		
	11:54	ZZZZZZ	1		
	11:58	ZZZZZZ	1		
	12:03	MP24558-MB1	1		
	12:07	MP24558-B1	1		
	12:15	MA10509-CCV5	1		
	12:19	MA10509-CCB5	1		
	12:45	ZZZZZZ	2		
	12:50	ZZZZZZ	2		
	13:07	MA10509-CCV6	1		
	13:11	MA10509-CCB6	1		
	13:20	MA10509-CCV7	1		
	13:28	MA10509-CCB7	1		
	13:52	MA10509-CCV8	1		
	13:57	MA10509-CCB8	1		
	14:16	ZZZZZZ	1		
	14:20	ZZZZZZ	1		
	14:24	ZZZZZZ	10		
	14:28	ZZZZZZ	2		
	14:32	ZZZZZZ	2		
	14:36	MP24561-MB1	1		
	14:41	MA10509-CCV9	1		
	14:45	MA10509-CCB9	1		
	14:49	MP24561-B1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:53	FA1374-10	1		(sample used for QC only; not part of login FA1371)
14:57	MP24561-D1	1		
15:01	MP24561-SD1	5		
15:05	MP24561-PS1	1		
15:09	MP24561-S1	1		
15:13	MP24561-S2	1		
15:17	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:30	MA10509-CCV10	1		
15:34	MA10509-CCB10	1		
15:47	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:20	MA10509-CCV11	1		
16:24	MA10509-CCB11	1		
16:28	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:53	MA10509-CRIA2	1		
16:57	MA10509-ICSA2	1		
17:01	MA10509-ICSAB2	1		
17:06	MA10509-CCV12	1		
17:10	MA10509-CCB12	1		

----------> Last reportable CCB for job FA1371
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:03	MA10509-STD1	6451	37564	5463	2817
08:08	MA10509-STD2	6380	36621	5429	2562
08:11	MA10509-STD3	6183	35756	5480	2293
08:15	MA10509-STD4	5911	34418	5396	2057
08:21	MA10509-HSTD1	5892	33938	5380	2034
08:30	MA10509-ICV1	6142	35232	5399	2235
08:39	MA10509-ICB1	6372 R	36578 R	5301 R	2698 R
08:43	MA10509-CRIA1	6453	36838	5487	2604
08:52	MA10509-ICSA1	5752	31434	5263	1989
09:00	MA10509-ICSAB1	5656	30982	5166	1906
09:10	MA10509-CCV1	6326	35371	5357	2241
09:17	MA10509-CCB1	6611	37658	5518	2747
09:21	MP24557-MB1	6544	37310	5530	2680
09:25	MP24557-B1	6368	35844	5509	2343
09:29	FA1370-1	6701	38165	5676	2645
09:33	MP24557-D1	6666	37625	5607	2620
09:37	MP24557-SD1	6867	38716	5691	2781
09:43	MP24557-PS1	6516	36967	5505	2485
09:47	MP24557-S1	6331	35419	5403	2292
09:51	MP24557-S2	6294	35115	5337	2270
09:55	ZZZZZZ	6704	37697	5610	2619
09:59	FA1371-1	9706 !	53635 !	8439 !	2209
10:03	MA10509-CCV2	6296	35317	5410	2193
10:08	MA10509-CCB2	6630	37217	5490	2723
10:32	MA10509-CCV3	6427	35679	5528	2220
10:39	MA10509-CCB3	6685	37215	5489	2725
10:43	FA1371-2	10410 !	57612 !	9068 !	2225
10:47	FA1371-3	7176	39310	6255	2234
10:51	FA1371-4	6672	36810	5921	2091
10:55	FA1371-5	7223	40436	6173	2369
11:00	FA1371-6	7875	43295	6722	2409
11:04	FA1371-8	8260 !	45205	7522 !	1980
11:08	FA1371-9	13876 !	76237 !	12105 !	2197

INTERNAL STANDARD SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:12	FA1371-10	6935	38409	5830	2450
11:16	FA1371-11	7508	40662	6271	2307
11:20	FA1371-12	7678	42522	6612	2256
11:25	MA10509-CCV4	6482	36061	5563	2255
11:29	MA10509-CCB4	6746	37857	5568	2762
11:33	ZZZZZZ	7882	43448	6790	2305
11:37	ZZZZZZ	7800	42794	6788	2222
11:41	ZZZZZZ	7778	42984	6711	2279
11:45	ZZZZZZ	7774	42252	6569	2246
11:50	ZZZZZZ	8253	45302	7162	2196
11:54	ZZZZZZ	8275	45751	7114	2277
11:58	ZZZZZZ	7966	43109	6756	2273
12:03	MP24558-MB1	6604	36954	5416	2686
12:07	MP24558-B1	6447	36208	5526	2365
12:15	MA10509-CCV5	6376	35316	5368	2217
12:19	MA10509-CCB5	6669	37703	5447	2745
12:45	ZZZZZZ	7454	41977	6332	2336
12:50	ZZZZZZ	7443	41546	6335	2393
13:07	MA10509-CCV6	6270	35757	5381	2220
13:11	MA10509-CCB6	6704	38436	5474	2797
13:20	MA10509-CCV7	6339	35464	5364	2243
13:28	MA10509-CCB7	6764	37890	5414	2822
13:52	MA10509-CCV8	6280	35425	5373	2233
13:57	MA10509-CCB8	6764	38730	5548	2829
14:16	ZZZZZZ	9204 !	53924 !	7951 !	2485
14:20	ZZZZZZ	8290 !	47366 !	6902 !	2546
14:24	ZZZZZZ	6291	35102	5366	2262
14:28	ZZZZZZ	8131	45601	6680	2536
14:32	ZZZZZZ	7975	44989	6652	2467
14:36	MP24561-MB1	6854	39752	5639	2874
14:41	MA10509-CCV9	6431	36089	5495	2301
14:45	MA10509-CCB9	6788	38140	5499	2823
14:49	MP24561-B1	6394	36327	5392	2398

INTERNAL STANDARD SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:53	FA1374-10	6633	38274	5600	2662
14:57	MP24561-D1	6462	37193	5385	2594
15:01	MP24561-SD1	6663	37889	5492	2756
15:05	MP24561-PS1	6560	36728	5470	2500
15:09	MP24561-S1	6404	36221	5419	2366
15:13	MP24561-S2	6390	36321	5492	2373
15:17	ZZZZZZ	6052	33708	5858	1799
15:22	ZZZZZZ	6314	35566	5513	2353
15:26	ZZZZZZ	6592	37500	5653	2561
15:30	MA10509-CCV10	6246	36014	5448	2262
15:34	MA10509-CCB10	6594	38295	5515	2804
15:47	ZZZZZZ	6665	38035	5840	2609
15:51	ZZZZZZ	6535	38547	5783	2631
15:56	ZZZZZZ	6646	38764	5842	2689
16:00	ZZZZZZ	6551	38112	5902	2511
16:04	ZZZZZZ	6810	39079	5840	2637
16:08	ZZZZZZ	6889	38929	5728	2695
16:12	ZZZZZZ	6863	39503	5879	2698
16:16	ZZZZZZ	6781	39487	5885	2738
16:20	MA10509-CCV11	6466	37435	5739	2339
16:24	MA10509-CCB11	6893	40248	5783	2906
16:28	ZZZZZZ	6827	39186	5796	2722
16:32	ZZZZZZ	6734	38000	5688	2573
16:37	ZZZZZZ	6748	38833	5740	2668
16:41	ZZZZZZ	6606	38563	5771	2627
16:45	ZZZZZZ	6607	37735	5763	2522
16:49	ZZZZZZ	6549	37178	5722	2516
16:53	MA10509-CRIA2	6809	38854	5672	2732
16:57	MA10509-ICSA2	5876	32308	5281	2017
17:01	MA10509-ICSAB2	5954	33388	5490	2033
17:06	MA10509-CCV12	6499	37073	5640	2349
17:10	MA10509-CCB12	6806	39323	5634	2870

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

INTERNAL STANDARD SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10509 Units: ug/l

Time:			08:39		09:17		10:08		10:39	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-11	<200	-0.40	<200	-5.4	<200	-12	<200
Antimony	6.0	1.3	-0.20	<20	-0.80	<20	-1.2	<6.0	-1.0	<6.0
Arsenic	10	1.6	0.10	<10	0.70	<10	0.20	<10	0.30	<10
Barium	200	1	-0.40	<200	0.0	<200	0.0	<200	0.20	<200
Beryllium	4.0	.5	-0.30	<5.0	0.10	<5.0	0.20	<4.0	0.30	<4.0
Cadmium	4.0	.5	-0.20	<4.0	0.10	<4.0	0.10	<5.0	0.20	<5.0
Calcium	1000	50	-5.5	<5000	7.1	<5000	14.8	<1000	9.5	<1000
Chromium	10	1.8	-0.20	<10	0.20	<10	-0.10	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-2.4	<300	7.3	<300	8.1	<300	8.6	<300
Lead	5.0	1.1	0.90	<20	0.20	<20	0.80	<5.0	1.0	<5.0
Magnesium	5000	74	11.4	<5000	10.5	<5000	12.0	<5000	-2.5	<5000
Manganese	15	.7	-0.20	<15	0.10	<15	0.10	<15	0.30	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	-0.20	<40	0.10	<40				
Potassium	10000	200	7.0	<10000	-38	<10000	16.0	<10000	26.7	<10000
Selenium	10	2	0.0	<20	0.90	<20	-1.0	<10	0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	10.5	<10000	22.5	<10000	46.7	<10000	25.6	<10000
Strontium	10	.5	anr							
Thallium	10	1.3	-0.90	<10	-0.50	<10	-0.90	<10	0.10	<10
Tin	50	.7	anr							
Titanium	10	.9	anr							
Vanadium	50	.5	-0.30	<50	0.30	<50	0.20	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10509 Units: ug/l

Time: / Sample ID:			11:29 CCB4		12:19 CCB5		13:11 CCB6		13:28 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.7	<200	-4.2	<200	-9.1	<200	3.8	<200
Antimony	6.0	1.3	-1.2	<6.0	-0.90	<6.0	-0.10	<6.0	0.40	<6.0
Arsenic	10	1.6	0.50	<10	0.50	<10	0.70	<10	0.10	<10
Barium	200	1	0.50	<200	0.40	<200	0.60	<200	0.50	<200
Beryllium	4.0	.5	0.40	<4.0	0.20	<4.0	0.20	<4.0	0.30	<4.0
Cadmium	4.0	.5	0.20	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	12.1	<1000	12.0	<1000	30.6	<1000	22.5	<1000
Chromium	10	1.8	0.20	<10	0.30	<10	0.10	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	12.4	<300	9.9	<300	8.8	<300	5.4	<300
Lead	5.0	1.1	0.20	<5.0	0.90	<5.0	0.40	<5.0	-0.10	<5.0
Magnesium	5000	74	12.5	<5000	-15	<5000	15.3	<5000	3.9	<5000
Manganese	15	.7	0.30	<15	0.20	<15	0.30	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5	0.40	<40	0.20	<40				
Potassium	10000	200	29.5	<10000	9.4	<10000	87.2	<10000	69.2	<10000
Selenium	10	2	0.30	<10	-0.60	<10	0.30	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	22.4	<10000	28.9	<10000	27.4	<10000	22.2	<10000
Strontium	10	.5								
Thallium	10	1.3	0.10	<10	0.10	<10	0.50	<10	0.10	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.30	<50	0.30	<50	0.20	<50
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10509 Units: ug/l

Time:			13:57		14:45		15:34		16:24	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.4	<200	-1.8	<200	-8.3	<200	0.60	<200
Antimony	6.0	1.3	0.70	<6.0	0.70	<6.0	0.80	<6.0	1.5	<6.0
Arsenic	10	1.6	0.80	<10	0.30	<10	1.0	<10	0.40	<10
Barium	200	1	0.50	<200	0.10	<200	0.20	<200	0.20	<200
Beryllium	4.0	.5	0.40	<4.0	0.20	<4.0	0.30	<4.0	0.40	<4.0
Cadmium	4.0	.5	0.20	<5.0	0.10	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	9.1	<1000	6.1	<1000	7.2	<1000	4.3	<1000
Chromium	10	1.8	0.20	<10	0.10	<10	0.20	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	10.6	<300	7.6	<300	12.4	<300	11.5	<300
Lead	5.0	1.1	0.0	<5.0	-0.30	<5.0	0.20	<5.0	-0.30	<5.0
Magnesium	5000	74	14.9	<5000	-1.5	<5000	11.2	<5000	19.6	<5000
Manganese	15	.7	0.30	<15	0.20	<15	0.20	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5							0.30	<40
Potassium	10000	200	81.5	<10000	30.9	<10000	88.7	<10000	-0.20	<10000
Selenium	10	2	0.50	<10	1.7	<10	0.50	<10	-0.70	<10
Silver	10	.5	anr							
Sodium	10000	500	28.6	<10000	3.0	<10000	213	<10000	225	<10000
Strontium	10	.5								
Thallium	10	1.3	0.20	<10	-0.10	<10	0.40	<10	-0.20	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	-0.10	<50	0.10	<50	0.20	<50
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10509 Units: ug/l

Time:			17:10	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	15	9.2	<200
Antimony	6.0	1.3	0.30	<6.0
Arsenic	10	1.6	0.20	<10
Barium	200	1	0.20	<200
Beryllium	4.0	.5	0.50	<4.0
Cadmium	4.0	.5	0.20	<5.0
Calcium	1000	50	11.9	<1000
Chromium	10	1.8	0.40	<10
Cobalt	50	.5		
Copper	25	1		
Iron	300	29	18.1	<300
Lead	5.0	1.1	-0.40	<5.0
Magnesium	5000	74	14.7	<5000
Manganese	15	.7	0.40	<15
Molybdenum	50	.6		
Nickel	40	.5	0.10	<40
Potassium	10000	200	-0.60	<10000
Selenium	10	2	1.0	<10
Silver	10	.5	anr	
Sodium	10000	500	70.1	<10000
Strontium	10	.5		
Thallium	10	1.3	-0.10	<10
Tin	50	.7		
Titanium	10	.9		
Vanadium	50	.5	0.30	<50
Zinc	20	3		

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10509 Units: ug/l

Time:		08:30			09:10			10:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41800	104.5	40000	41500	103.8	40000	42800	107.0
Antimony	2000	1980	99.0	2000	1920	96.0	2000	1910	95.5
Arsenic	2000	1960	98.0	2000	1940	97.0	2000	1940	97.0
Barium	2000	2120	106.0	2000	2050	102.5	2000	2100	105.0
Beryllium	2000	2030	101.5	2000	1940	97.0	2000	1950	97.5
Cadmium	2000	2040	102.0	2000	2040	102.0	2000	2080	104.0
Calcium	40000	43400	108.5	40000	41500	103.8	40000	42800	107.0
Chromium	2000	2070	103.5	2000	2090	104.5	2000	2140	107.0
Cobalt	anr								
Copper	anr								
Iron	40000	42000	105.0	40000	39000	97.5	40000	39000	97.5
Lead	2000	2000	100.0	2000	2080	104.0	2000	2170	108.5
Magnesium	40000	41800	104.5	40000	40000	100.0	40000	40300	100.8
Manganese	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Molybdenum	anr								
Nickel	2000	2020	101.0	2000	1930	96.5			
Potassium	40000	42200	105.5	40000	39700	99.3	40000	40300	100.8
Selenium	2000	2020	101.0	2000	1940	97.0	2000	1930	96.5
Silver	anr								
Sodium	40000	39400	98.5	40000	41700	104.3	40000	43100	107.8
Strontium	anr								
Thallium	2000	2050	102.5	2000	1930	96.5	2000	1930	96.5
Tin	anr								
Titanium	anr								
Vanadium	2000	2020	101.0	2000	1970	98.5	2000	1990	99.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10509 Units: ug/l

Time:		10:32			11:25			12:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	39900	99.8	40000	40600	101.5
Antimony	2000	2000	100.0	2000	1990	99.5	2000	2020	101.0
Arsenic	2000	2000	100.0	2000	1990	99.5	2000	2020	101.0
Barium	2000	2020	101.0	2000	1990	99.5	2000	2060	103.0
Beryllium	2000	2010	100.5	2000	1980	99.0	2000	1980	99.0
Cadmium	2000	2040	102.0	2000	2010	100.5	2000	2050	102.5
Calcium	40000	40500	101.3	40000	39800	99.5	40000	40400	101.0
Chromium	2000	2040	102.0	2000	2010	100.5	2000	2070	103.5
Cobalt									
Copper									
Iron	40000	40400	101.0	40000	39800	99.5	40000	40200	100.5
Lead	2000	1970	98.5	2000	1930	96.5	2000	1970	98.5
Magnesium	40000	40400	101.0	40000	39800	99.5	40000	40100	100.3
Manganese	2000	2050	102.5	2000	2020	101.0	2000	2070	103.5
Molybdenum									
Nickel				2000	2010	100.5	2000	2050	102.5
Potassium	40000	40000	100.0	40000	40100	100.3	40000	41200	103.0
Selenium	2000	2000	100.0	2000	2000	100.0	2000	2020	101.0
Silver	anr								
Sodium	40000	40600	101.5	40000	40300	100.8	40000	41500	103.8
Strontium									
Thallium	2000	1970	98.5	2000	1960	98.0	2000	1990	99.5
Tin									
Titanium									
Vanadium	2000	1970	98.5	2000	1950	97.5	2000	1990	99.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10509 Units: ug/l

Time:		13:07			13:20			13:52	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40300	100.8	40000	40200	100.5
Antimony	2000	2160	108.0	2000	2090	104.5	2000	2010	100.5
Arsenic	2000	2130	106.5	2000	2060	103.0	2000	2010	100.5
Barium	2000	2100	105.0	2000	2090	104.5	2000	2000	100.0
Beryllium	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Cadmium	2000	2120	106.0	2000	2050	102.5	2000	2020	101.0
Calcium	40000	40700	101.8	40000	39900	99.8	40000	40400	101.0
Chromium	2000	2080	104.0	2000	2050	102.5	2000	2000	100.0
Cobalt									
Copper									
Iron	40000	41200	103.0	40000	40900	102.3	40000	40400	101.0
Lead	2000	1990	99.5	2000	1930	96.5	2000	1930	96.5
Magnesium	40000	40400	101.0	40000	39700	99.3	40000	40300	100.8
Manganese	2000	2120	106.0	2000	2120	106.0	2000	2000	100.0
Molybdenum									
Nickel									
Potassium	40000	44100	110.0	40000	43200	108.0	40000	40200	100.5
Selenium	2000	2150	107.5	2000	2070	103.5	2000	2030	101.5
Silver	anr								
Sodium	40000	42200	105.5	40000	41400	103.5	40000	40300	100.8
Strontium									
Thallium	2000	2090	104.5	2000	2030	101.5	2000	1970	98.5
Tin									
Titanium									
Vanadium	2000	2030	101.5	2000	2000	100.0	2000	1940	97.0
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10509 Units: ug/l

Time:		14:41			15:30			16:20	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39000	97.5	40000	40100	100.3	40000	38900	97.3
Antimony	2000	1960	98.0	2000	2070	103.5	2000	2060	103.0
Arsenic	2000	1950	97.5	2000	2050	102.5	2000	2040	102.0
Barium	2000	1960	98.0	2000	2010	100.5	2000	1990	99.5
Beryllium	2000	1990	99.5	2000	2070	103.5	2000	2030	101.5
Cadmium	2000	1960	98.0	2000	2030	101.5	2000	1990	99.5
Calcium	40000	39000	97.5	40000	40100	100.3	40000	38900	97.3
Chromium	2000	1950	97.5	2000	1980	99.0	2000	1930	96.5
Cobalt									
Copper									
Iron	40000	40100	100.3	40000	41300	103.3	40000	40500	101.3
Lead	2000	1850	92.5	2000	1890	94.5	2000	1860	93.0
Magnesium	40000	39500	98.8	40000	40700	101.8	40000	39500	98.8
Manganese	2000	1980	99.0	2000	2010	100.5	2000	2000	100.0
Molybdenum									
Nickel							2000	2080	104.0
Potassium	40000	38800	97.0	40000	40300	100.8	40000	39500	98.8
Selenium	2000	1960	98.0	2000	2080	104.0	2000	2080	104.0
Silver	anr								
Sodium	40000	38800	97.0	40000	39000	97.5	40000	38100	95.3
Strontium									
Thallium	2000	1930	96.5	2000	2010	100.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	1900	95.0	2000	1950	97.5	2000	1910	95.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10509 Units: ug/l

Time:		17:06	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	40000	38800	97.0
Antimony	2000	2040	102.0
Arsenic	2000	2020	101.0
Barium	2000	1980	99.0
Beryllium	2000	2010	100.5
Cadmium	2000	1970	98.5
Calcium	40000	38800	97.0
Chromium	2000	1930	96.5
Cobalt			
Copper			
Iron	40000	40000	100.0
Lead	2000	1840	92.0
Magnesium	40000	39100	97.8
Manganese	2000	1980	99.0
Molybdenum			
Nickel	2000	2060	103.0
Potassium	40000	39100	97.8
Selenium	2000	2050	102.5
Silver	anr		
Sodium	40000	38400	96.0
Strontium			
Thallium	2000	1980	99.0
Tin			
Titanium			
Vanadium	2000	1910	95.5
Zinc			

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10509 Units: ug/l

Time:		08:21	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80900	101.1
Antimony	4000	4010	100.3
Arsenic	4000	4020	100.5
Barium	4000	4040	101.0
Beryllium	4000	3970	99.3
Cadmium	4000	4010	100.3
Calcium	80000	80600	100.8
Chromium	4000	4030	100.8
Cobalt	anr		
Copper	anr		
Iron	80000	79500	99.4
Lead	4000	4150	103.8
Magnesium	80000	79900	99.9
Manganese	4000	4020	100.5
Molybdenum	anr		
Nickel	4000	3970	99.3
Potassium	80000	80700	100.9
Selenium	4000	4010	100.3
Silver	anr		
Sodium	80000	80800	101.0
Strontium	anr		
Thallium	4000	4060	101.5
Tin	anr		
Titanium	anr		
Vanadium	4000	4060	101.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10509 Units: ug/l

Time:			08:43		16:53	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	204	102.0	196	98.0
Antimony	10	5.0	5.4	108.0	4.5	90.0
Arsenic	20	10	10.2	102.0	10.3	103.0
Barium	400	200	207	103.5	203	101.5
Beryllium	10	5.0	4.8	96.0	5.2	104.0
Cadmium	10	5.0	5.2	104.0	5.1	102.0
Calcium	2000	1000	1070	107.0	1030	103.0
Chromium	20	10	10.8	108.0	10.1	101.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	307	102.3	314	104.7
Lead	10	5.0	5.9	118.0	4.1	82.0
Magnesium	10000	5000	5230	104.6	5120	102.4
Manganese	30	15	15.9	106.0	16.0	106.7
Molybdenum	100	50	anr			
Nickel	80	40	41.6	104.0	42.4	106.0
Potassium	20000	10000	10100	101.0	9940	99.4
Selenium	20	10	8.8	88.0	10.1	101.0
Silver	20	10	anr			
Sodium	20000	10000	10700	107.0	10200	102.0
Strontium	20	10	anr			
Thallium	20	10	8.2	82.0	9.1	91.0
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	52.0	104.0	49.9	99.8
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: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10509 Units: ug/l

Time:			08:52		09:00		16:57		17:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	509000	101.8	518000	103.6	501000	100.2	486000	97.2
Antimony		1000	0.0		969	96.9	-0.60		1010	101.0
Arsenic		1000	-0.10		996	99.6	-1.4		1010	101.0
Barium		500	-0.70		495	99.0	-0.40		465	93.0
Beryllium		500	-0.40		454	90.8	-0.10		454	90.8
Cadmium		1000	0.0		900	90.0	0.40		839	83.9
Calcium	500000	500000	484000	96.8	493000	98.6	472000	94.4	459000	91.8
Chromium		500	-0.30		473	94.6	-0.30		425	85.0
Cobalt		500	0.20		442	88.4	0.40		415	83.0
Copper		500	0.0		477	95.4	0.50		469	93.8
Iron	200000	200000	182000	91.0	185000	92.5	187000	93.5	180000	90.0
Lead		1000	0.10		929	92.9	-17* (a)		781	78.1*(a)
Magnesium	500000	500000	470000	94.0	470000	94.0	473000	94.6	462000	92.4
Manganese		500	-0.60		469	93.8	-0.30		444	88.8
Molybdenum		1000	0.90		922	92.2	1.1		975	97.5
Nickel		1000	0.0		839	83.9	0.10		854	85.4
Potassium			26.1		33.5		46.1		25.0	
Selenium		1000	0.0		968	96.8	0.30		988	98.8
Silver		1000	-0.40		925	92.5	-0.50		879	87.9
Sodium			147		190		476		512	
Strontium		1000	4.7		1050	105.0	5.5		1070	107.0
Thallium		1000	0.0		928	92.8	-2.5		931	93.1
Tin		1000	-1.0		924	92.4	-0.50		903	90.3
Titanium		1000	-2.2		1030	103.0	-2.8		1040	104.0
Vanadium		500	-0.40		474	94.8	-0.50		443	88.6
Zinc		1000	-2.6		912	91.2	-2.6		834	83.4

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:41	MA10513-STD1	1		STDA
07:46	MA10513-STD2	1		STDB
07:49	MA10513-STD3	1		STDC
07:53	MA10513-STD4	1		STDD
07:57	MA10513-HSTD1	1		
08:04	MA10513-ICV1	1		
08:10	MA10513-ICB1	1		
08:14	MA10513-CRIA1	1		
08:22	MA10513-ICSA1	1		
08:28	MA10513-ICSAB1	1		
08:35	MA10513-CCV1	1		
08:41	MA10513-CCB1	1		
08:46	MP24562-MB1	1		
08:50	MP24562-B1	1		
08:54	FA1430-1	1		(sample used for QC only; not part of login FA1371)
08:58	MP24562-D1	1		
09:02	MP24562-SD1	5		
09:07	MP24562-PS1	1		
09:11	MP24562-S1	1		
09:15	MP24562-S2	1		
09:18	ZZZZZZ	1		
09:23	ZZZZZZ	1		
09:27	MA10513-CCV2	1		
09:31	MA10513-CCB2	1		
09:35	ZZZZZZ	1		
09:39	ZZZZZZ	1		
09:43	ZZZZZZ	1		
09:48	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	ZZZZZZ	1		
10:00	ZZZZZZ	1		
10:05	ZZZZZZ	1		
10:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:13	ZZZZZZ	1		
10:17	MA10513-CCV3	1		
10:21	MA10513-CCB3	1		
10:55	MA10513-CCV4	1		
11:06	MA10513-CCB4	1		
11:12	ZZZZZZ	1		
11:16	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:33	ZZZZZZ	1		
11:37	MP24563-MB1	1		
11:41	MP24563-B1	1		
11:45	FA1369-1	1		(sample used for QC only; not part of login FA1371)
11:50	MP24563-D1	1		
11:54	MA10513-CCV5	1		
11:58	MA10513-CCB5	1		
12:02	MP24563-SD1	5		
12:06	MP24563-PS1	1		
12:11	MP24563-S1	1		
12:14	MP24563-S2	1		
12:18	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	MA10513-CCV6	1		
12:48	MA10513-CCB6	1		
12:52	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:05	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:09	ZZZZZZ	1		
	13:14	ZZZZZZ	1		
	13:18	FA1371-7	1		
	13:22	FA1371-13	1		
	13:27	ZZZZZZ	1		
	13:31	ZZZZZZ	1		
	13:35	MA10513-CCV7	1		
	13:39	MA10513-CCB7	1		
	13:43	ZZZZZZ	1		
	14:53	FA1371-1	10		
	14:57	FA1371-2	10		
	15:01	FA1371-8	10		
	15:06	FA1371-9	10		
---------->	Last reportable sample/prep for job FA1371				
	15:10	FA1416-2	10		(sample used for QC only; not part of login FA1371)
	15:14	MP24558-D1	10		
	15:18	MP24558-S1	10		
	15:22	MP24558-S2	10		
	15:26	MP24558-PS1	10		
	15:30	MA10513-CCV8	1		
	15:34	MA10513-CCB8	1		
	15:38	MP24558-SD1	50		
	15:43	ZZZZZZ	10		
	15:47	ZZZZZZ	10		
	15:51	ZZZZZZ	10		
	15:55	ZZZZZZ	5		
	15:59	ZZZZZZ	5		
	16:04	ZZZZZZ	5		
	16:08	ZZZZZZ	10		
	16:12	ZZZZZZ	2		
	16:17	ZZZZZZ	4		
	16:21	MA10513-CCV9	1		
	16:25	MA10513-CCB9	1		
	16:29	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:34	MA10513-CRIA2	1		
16:38	MA10513-ICSA2	1		
16:42	MA10513-ICSAB2	1		
16:47	MA10513-CCV10	1		
16:50	MA10513-CCB10	1		

----------> Last reportable CCB for job FA1371
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:41	MA10513-STD1	4267	28863	4225	2086
07:46	MA10513-STD2	4258	28455	4209	1941
07:49	MA10513-STD3	4115	27507	4183	1745
07:53	MA10513-STD4	3904	26220	4136	1605
07:57	MA10513-HSTD1	3866	25957	4100	1600
08:04	MA10513-ICV1	3980	26631	4148	1743
08:10	MA10513-ICB1	4152 R	28080 R	4186 R	2075 R
08:14	MA10513-CRIA1	4116	27659	4185	1992
08:22	MA10513-ICSA1	3661	23764	4032	1508
08:28	MA10513-ICSAB1	3674	23916	4021	1476
08:35	MA10513-CCV1	4076	27062	4159	1716
08:41	MA10513-CCB1	4224	28463	4218	2052
08:46	MP24562-MB1	4226	28536	4263	2051
08:50	MP24562-B1	4093	27157	4223	1801
08:54	FA1430-1	4185	27989	4252	1973
08:58	MP24562-D1	4190	28140	4285	1966
09:02	MP24562-SD1	4218	28246	4258	2007
09:07	MP24562-PS1	4242	28214	4291	1914
09:11	MP24562-S1	4126	26550	4185	1769
09:15	MP24562-S2	4150	27356	4236	1776
09:18	ZZZZZZ	4249	28583	4297	1993
09:23	ZZZZZZ	4574	30435	4617	1978
09:27	MA10513-CCV2	4109	27163	4274	1688
09:31	MA10513-CCB2	4296	28793	4308	2028
09:35	ZZZZZZ	4593	30513	4642	1979
09:39	ZZZZZZ	4255	28426	4339	1958
09:43	ZZZZZZ	4466	29843	4571	1956
09:48	ZZZZZZ	4287	28426	4351	1917
09:52	ZZZZZZ	4783	31850	4858	1953
09:56	ZZZZZZ	4309	28793	4377	1996
10:00	ZZZZZZ	4383	28999	4454	1884
10:05	ZZZZZZ	4488	29562	4457	1915
10:09	ZZZZZZ	4442	29075	4483	1933

INTERNAL STANDARD SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:13	ZZZZZZ	4248	28386	4291	2005
10:17	MA10513-CCV3	4117	26817	4277	1681
10:21	MA10513-CCB3	4260	28089	4294	1996
10:55	MA10513-CCV4	4117	26884	4288	1662
11:06	MA10513-CCB4	4310	28213	4258	2015
11:12	ZZZZZZ	4017	26474	4256	1777
11:16	ZZZZZZ	3985	26337	4231	1768
11:20	ZZZZZZ	4000	26453	4263	1762
11:25	ZZZZZZ	4068	26899	4206	1794
11:29	ZZZZZZ	4081	26874	4255	1791
11:33	ZZZZZZ	4043	26750	4244	1780
11:37	MP24563-MB1	4254	28357	4350	2015
11:41	MP24563-B1	4110	27079	4273	1762
11:45	FA1369-1	4103	27377	4194	1888
11:50	MP24563-D1	4191	27976	4235	1919
11:54	MA10513-CCV5	4055	26422	4237	1669
11:58	MA10513-CCB5	4160	27504	4222	1978
12:02	MP24563-SD1	4240	28099	4352	1995
12:06	MP24563-PS1	4157	27464	4308	1851
12:11	MP24563-S1	4095	26886	4214	1726
12:14	MP24563-S2	4148	27194	4341	1770
12:18	ZZZZZZ	4071	26855	4278	1868
12:23	ZZZZZZ	4386	29251	4616	1925
12:27	ZZZZZZ	4215	28164	4446	1911
12:31	ZZZZZZ	4179	27888	4238	1957
12:36	ZZZZZZ	4070	27178	4240	1867
12:40	ZZZZZZ	4315	28771	4533	1905
12:44	MA10513-CCV6	3985	26261	4276	1667
12:48	MA10513-CCB6	4123	27484	4292	1980
12:52	ZZZZZZ	4179	28034	4332	1889
12:57	ZZZZZZ	4139	27600	4296	1953
13:01	ZZZZZZ	4320	28870	4545	1953
13:05	ZZZZZZ	4001	26764	4358	1760

INTERNAL STANDARD SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:09	ZZZZZZ	3997	26932	4277	1819
13:14	ZZZZZZ	3992	26615	4251	1760
13:18	FA1371-7	4121	27536	4267	1991
13:22	FA1371-13	4103	27496	4298	1995
13:27	ZZZZZZ	4047	27137	4282	1886
13:31	ZZZZZZ	4148	27880	4272	1940
13:35	MA10513-CCV7	4045	26658	4244	1687
13:39	MA10513-CCB7	13945	26942	4231	6794
13:43	ZZZZZZ	3676	25776	4165	1679
14:53	FA1371-1	5032	33036	5298	1734
14:57	FA1371-2	5000	33272	5344	1758
15:01	FA1371-8	4435	29211	4840	1601
15:06	FA1371-9	5992	39819	6302	1723
15:10	FA1416-2	4503	29781	4701	1653
15:14	MP24558-D1	4472	29310	4731	1695
15:18	MP24558-S1	4714	31171	5099	1651
15:22	MP24558-S2	4496	29716	4804	1713
15:26	MP24558-PS1	4477	29698	4810	1649
15:30	MA10513-CCV8	3987	26469	4147	1665
15:34	MA10513-CCB8	4114	27418	4181	1993
15:38	MP24558-SD1	4120	27292	4321	1821
15:43	ZZZZZZ	4302	28413	4599	1755
15:47	ZZZZZZ	4753	31557	4945	1896
15:51	ZZZZZZ	4879	32682	5226	1603
15:55	ZZZZZZ	4356	28629	4538	1657
15:59	ZZZZZZ	4200	27198	4544	1639
16:04	ZZZZZZ	4298	27908	4766	1604
16:08	ZZZZZZ	4420	29098	4634	1822
16:12	ZZZZZZ	3751	24416	4257	1417
16:17	ZZZZZZ	4187	27445	4557	1503
16:21	MA10513-CCV9	3920	26317	4248	1667
16:25	MA10513-CCB9	4107	27632	4282	2024
16:29	ZZZZZZ	3700	24284	4372	1385

INTERNAL STANDARD SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:34	MA10513-CRIA2	4124	27699	4264	1943
16:38	MA10513-ICSA2	3680	23690	4046	1464
16:42	MA10513-ICSAB2	3566	23013	4010	1433
16:47	MA10513-CCV10	3929	25976	4215	1681
16:50	MA10513-CCB10	4022	27051	4174	1978

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: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10513 Units: ug/l

Time:			08:10		08:41		09:31		10:21	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.1	<200	-0.40	<200	3.9	<200	4.8	<200
Antimony	6.0	1.3	0.90	<6.0	-0.30	<6.0	-0.80	<6.0	-1.4	<6.0
Arsenic	10	1.6	0.40	<10	0.60	<10	0.70	<10	0.30	<10
Barium	200	1	0.20	<200	-0.20	<200	0.20	<200	-0.10	<200
Beryllium	4.0	.5	0.0	<4.0	-0.10	<4.0	0.30	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	4.8	<1000	3.2	<1000	9.7	<1000	10.3	<1000
Chromium	10	1.8	0.10	<10	0.10	<10	0.30	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	4.6	<300	1.4	<300	9.5	<300	7.9	<300
Lead	5.0	1.1	0.20	<5.0	0.0	<5.0	-0.20	<5.0	0.10	<5.0
Magnesium	5000	74	21.7	<5000	5.4	<5000	4.8	<5000	-1.1	<5000
Manganese	15	.7	0.10	<15	0.0	<15	0.10	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.20	<40	0.40	<40	0.50	<40
Potassium	10000	200	86.4	<10000	22.1	<10000	1.4	<10000	-16	<10000
Selenium	10	2	0.90	<10	1.0	<10	0.10	<10	0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	2.9	<10000	-23	<10000	-21	<10000	-30	<10000
Strontium	10	.5								
Thallium	10	1.3	0.30	<10	0.30	<10	0.0	<10	0.10	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.0	<50	0.10	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10513 Units: ug/l

Time:			11:06		11:58		12:48		13:39	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	10.0	<200	16.8	<200	9.0	<200	15.9	<200
Antimony	6.0	1.3	0.60	<6.0	1.5	<6.0	0.50	<6.0	0.0	<6.0
Arsenic	10	1.6	0.10	<10	0.50	<10	0.20	<10	2.2	<10
Barium	200	1	0.10	<200	0.20	<200	0.10	<200	0.20	<200
Beryllium	4.0	.5	0.10	<4.0	0.30	<4.0	0.10	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	6.1	<1000	9.6	<1000	6.3	<1000	3.6	<1000
Chromium	10	1.8	-0.10	<10	0.10	<10	0.0	<10	-0.10	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	9.7	<300	13.9	<300	9.3	<300	7.9	<300
Lead	5.0	1.1	-0.20	<5.0	0.20	<5.0	0.30	<5.0	-4.2	<5.0
Magnesium	5000	74	1.2	<5000	11.8	<5000	-2.8	<5000	-0.90	<5000
Manganese	15	.7	0.20	<15	0.20	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.10	<40	0.0	<40	-0.40	<40
Potassium	10000	200	73.5	<10000	45.8	<10000	33.1	<10000	19.6	<10000
Selenium	10	2	-0.60	<10	-0.20	<10	1.2	<10	-1.9	<10
Silver	10	.5	anr							
Sodium	10000	500	17.3	<10000	23.5	<10000	13.3	<10000	15.6	<10000
Strontium	10	.5								
Thallium	10	1.3	0.70	<10	0.20	<10	0.60	<10	5.8	<10* (a)
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.50	<50	0.30	<50	0.30	<50
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible positive bias, but all sample results <MDL.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10513 Units: ug/l

Time:			15:34		16:25		16:50	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	10.9	<200	13.0	<200	17.1	<200
Antimony	6.0	1.3	0.50	<6.0	0.30	<6.0	1.0	<6.0
Arsenic	10	1.6	0.10	<10	0.70	<10	0.10	<10
Barium	200	1	0.60	<200	0.50	<200	0.40	<200
Beryllium	4.0	.5	0.30	<4.0	0.40	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	12.5	<1000	12.7	<1000	15.7	<1000
Chromium	10	1.8	0.50	<10	0.10	<10	0.0	<10
Cobalt	50	.5						
Copper	25	1						
Iron	300	29	14.7	<300	14.3	<300	14.2	<300
Lead	5.0	1.1	0.30	<5.0	0.40	<5.0	0.40	<5.0
Magnesium	5000	74	12.6	<5000	21.9	<5000	32.9	<5000
Manganese	15	.7	0.50	<15	0.30	<15	0.30	<15
Molybdenum	50	.6						
Nickel	40	.5	0.20	<40	0.10	<40	0.0	<40
Potassium	10000	200	43.3	<10000	79.1	<10000	44.7	<10000
Selenium	10	2	1.1	<10	0.90	<10	0.90	<10
Silver	10	.5	anr					
Sodium	10000	500	24.0	<10000	192	<10000	119	<10000
Strontium	10	.5						
Thallium	10	1.3	0.90	<10	1.1	<10	0.30	<10
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5	0.40	<50	0.40	<50	0.40	<50
Zinc	20	3	anr					

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10513 Units: ug/l

Time:		08:04			08:35			09:27	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	40700	101.8	40000	41100	102.8
Antimony	2000	2080	104.0	2000	1960	98.0	2000	1930	96.5
Arsenic	2000	2040	102.0	2000	1980	99.0	2000	1940	97.0
Barium	2000	2110	105.5	2000	2050	102.5	2000	2060	103.0
Beryllium	2000	2110	105.5	2000	2010	100.5	2000	1960	98.0
Cadmium	2000	2060	103.0	2000	2040	102.0	2000	2040	102.0
Calcium	40000	43100	107.8	40000	40900	102.3	40000	40800	102.0
Chromium	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Cobalt									
Copper									
Iron	40000	43500	108.8	40000	40800	102.0	40000	39500	98.8
Lead	2000	2000	100.0	2000	1950	97.5	2000	1900	95.0
Magnesium	40000	42200	105.5	40000	40000	100.0	40000	38900	97.3
Manganese	2000	2100	105.0	2000	2040	102.0	2000	2000	100.0
Molybdenum									
Nickel	2000	2110	105.5	2000	1980	99.0	2000	1920	96.0
Potassium	40000	43000	107.5	40000	40000	100.0	40000	39300	98.3
Selenium	2000	2110	105.5	2000	1970	98.5	2000	1940	97.0
Silver	anr								
Sodium	40000	38500	96.3	40000	40700	101.8	40000	41300	103.3
Strontium									
Thallium	2000	2100	105.0	2000	1980	99.0	2000	1950	97.5
Tin									
Titanium									
Vanadium	2000	2050	102.5	2000	1950	97.5	2000	1940	97.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10513 Units: ug/l

Time:		10:17			10:55			11:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	39600	99.0	40000	39700	99.3
Antimony	2000	1900	95.0	2000	1970	98.5	2000	2010	100.5
Arsenic	2000	1920	96.0	2000	1970	98.5	2000	2000	100.0
Barium	2000	2030	101.5	2000	1990	99.5	2000	1980	99.0
Beryllium	2000	1950	97.5	2000	1990	99.5	2000	2020	101.0
Cadmium	2000	2030	101.5	2000	2000	100.0	2000	2010	100.5
Calcium	40000	41100	102.8	40000	40000	100.0	40000	40100	100.3
Chromium	2000	2110	105.5	2000	1980	99.0	2000	2010	100.5
Cobalt									
Copper									
Iron	40000	39100	97.8	40000	40600	101.5	40000	40800	102.0
Lead	2000	1870	93.5	2000	1950	97.5	2000	1960	98.0
Magnesium	40000	38900	97.3	40000	39600	99.0	40000	40000	100.0
Manganese	2000	1990	99.5	2000	2020	101.0	2000	2040	102.0
Molybdenum									
Nickel	2000	1900	95.0	2000	1990	99.5	2000	2040	102.0
Potassium	40000	39100	97.8	40000	39200	98.0	40000	39700	99.3
Selenium	2000	1920	96.0	2000	1980	99.0	2000	2020	101.0
Silver	anr								
Sodium	40000	41300	103.3	40000	39400	98.5	40000	39600	99.0
Strontium									
Thallium	2000	1930	96.5	2000	1980	99.0	2000	1990	99.5
Tin									
Titanium									
Vanadium	2000	1980	99.0	2000	1910	95.5	2000	1950	97.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10513 Units: ug/l

Time:		12:44			13:35			15:30	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39000	97.5	40000	39700	99.3
Antimony	2000	2090	104.5	2000	2020	101.0	2000	2050	102.5
Arsenic	2000	2050	102.5	2000	1990	99.5	2000	2030	101.5
Barium	2000	2000	100.0	2000	1960	98.0	2000	2050	102.5
Beryllium	2000	2070	103.5	2000	2010	100.5	2000	2080	104.0
Cadmium	2000	2020	101.0	2000	1990	99.5	2000	2010	100.5
Calcium	40000	39800	99.5	40000	39200	98.0	40000	39800	99.5
Chromium	2000	2000	100.0	2000	1960	98.0	2000	1960	98.0
Cobalt									
Copper									
Iron	40000	41900	104.8	40000	40700	101.8	40000	42300	105.8
Lead	2000	2020	101.0	2000	1970	98.5	2000	2010	100.5
Magnesium	40000	40300	100.8	40000	39600	99.0	40000	40600	101.5
Manganese	2000	2080	104.0	2000	2030	101.5	2000	2080	104.0
Molybdenum									
Nickel	2000	2110	105.5	2000	2060	103.0	2000	2090	104.5
Potassium	40000	40300	100.8	40000	39400	98.5	40000	40500	101.3
Selenium	2000	2080	104.0	2000	2010	100.5	2000	2040	102.0
Silver	anr								
Sodium	40000	39200	98.0	40000	38800	97.0	40000	39600	99.0
Strontium									
Thallium	2000	2040	102.0	2000	1990	99.5	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	1960	98.0	2000	1920	96.0	2000	1920	96.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10513 Units: ug/l

Time:		16:21			16:47	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39600	99.0
Antimony	2000	2130	106.5	2000	2130	106.5
Arsenic	2000	2090	104.5	2000	2100	105.0
Barium	2000	1990	99.5	2000	2010	100.5
Beryllium	2000	2060	103.0	2000	2100	105.0
Cadmium	2000	2040	102.0	2000	2030	101.5
Calcium	40000	39500	98.8	40000	39700	99.3
Chromium	2000	1990	99.5	2000	2000	100.0
Cobalt						
Copper						
Iron	40000	41600	104.0	40000	42400	106.0
Lead	2000	2050	102.5	2000	2050	102.5
Magnesium	40000	40000	100.0	40000	40600	101.5
Manganese	2000	2070	103.5	2000	2110	105.5
Molybdenum						
Nickel	2000	2150	107.5	2000	2160	108.0
Potassium	40000	40400	101.0	40000	41100	102.8
Selenium	2000	2120	106.0	2000	2130	106.5
Silver	anr					
Sodium	40000	38600	96.5	40000	39100	97.8
Strontium						
Thallium	2000	2060	103.0	2000	2060	103.0
Tin						
Titanium						
Vanadium	2000	1960	98.0	2000	1980	99.0
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10513 Units: ug/l

Time:		07:57	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80800	101.0
Antimony	4000	4110	102.8
Arsenic	4000	4090	102.3
Barium	4000	4000	100.0
Beryllium	4000	4080	102.0
Cadmium	4000	4010	100.3
Calcium	80000	80200	100.3
Chromium	4000	4020	100.5
Cobalt			
Copper			
Iron	80000	80700	100.9
Lead	4000	4130	103.3
Magnesium	80000	81400	101.8
Manganese	4000	4020	100.5
Molybdenum			
Nickel	4000	4070	101.8
Potassium	80000	82800	103.5
Selenium	4000	4100	102.5
Silver	anr		
Sodium	80000	80800	101.0
Strontium			
Thallium	4000	4070	101.8
Tin			
Titanium			
Vanadium	4000	4100	102.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10513 Units: ug/l

Time:			08:14		16:34	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	208	104.0	208	104.0
Antimony	10	5.0	5.7	114.0	5.9	118.0
Arsenic	20	10	10.9	109.0	10.4	104.0
Barium	400	200	211	105.5	209	104.5
Beryllium	10	5.0	5.3	106.0	5.4	108.0
Cadmium	10	5.0	5.5	110.0	5.3	106.0
Calcium	2000	1000	1070	107.0	1060	106.0
Chromium	20	10	11.0	110.0	10.1	101.0
Cobalt	100	50				
Copper	50	25				
Iron	600	300	329	109.7	344	114.7
Lead	10	5.0	5.1	102.0	5.1	102.0
Magnesium	10000	5000	5260	105.2	5170	103.4
Manganese	30	15	16.8	112.0	16.7	111.3
Molybdenum	100	50				
Nickel	80	40	44.9	112.3	45.2	113.0
Potassium	20000	10000	10300	103.0	10200	102.0
Selenium	20	10	10.8	108.0	9.9	99.0
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	10100	101.0
Strontium	20	10				
Thallium	20	10	10.0	100.0	10.8	108.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	53.7	107.4	51.5	103.0
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: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10513 Units: ug/l

Time:			08:22		08:28		16:38		16:42	
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	515000	103.0	489000	97.8	505000	101.0
Antimony		1000	0.50		1040	104.0	0.10		1090	109.0
Arsenic		1000	1.1		1040	104.0	1.8		1070	107.0
Barium		500	0.0		487	97.4	-0.20		471	94.2
Beryllium		500	-0.10		466	93.2	-0.10		470	94.0
Cadmium		1000	0.0		880	88.0	1.6		873	87.3
Calcium	500000	500000	482000	96.4	488000	97.6	459000	91.8	468000	93.6
Chromium		500	0.20		457	91.4	0.50		448	89.6
Cobalt		500	0.50		434	86.8	0.50		432	86.4
Copper		500	0.0		500	100.0	-0.70		515	103.0
Iron	200000	200000	190000	95.0	184000	92.0	186000	93.0	184000	92.0
Lead		1000	-0.20		879	87.9	6.0		896	89.6
Magnesium	500000	500000	500000	100.0	497000	99.4	483000	96.6	497000	99.4
Manganese		500	-0.50		465	93.0	0.0		469	93.8
Molybdenum		1000	0.0		975	97.5	-0.40		1040	104.0
Nickel		1000	0.0		852	85.2	-0.60		895	89.5
Potassium			39.0		31.8		147		109	
Selenium		1000	0.90		1010	101.0	2.9		1050	105.0
Silver		1000	-0.50		994	99.4	0.0		992	99.2
Sodium			90.0		88.9		543		366	
Strontium		1000	4.1		1080	108.0	4.2		1090	109.0
Thallium		1000	-0.90		964	96.4	-0.80		972	97.2
Tin		1000	0.40		932	93.2	0.40		947	94.7
Titanium		1000	-2.0		1040	104.0	-1.8		1070	107.0
Vanadium		500	-0.20		471	94.2	-0.30		473	94.6
Zinc		1000	-1.1		860	86.0	-0.70		936	93.6

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24557
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/01/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	10.1	* (a)
Antimony	1.0	.065	.095	0.080	<1.0
Arsenic	0.50	.08	.08	0.090	<0.50
Barium	10	.05	.25	0.14	<10
Beryllium	0.25	.025	.025	-0.015	<0.25
Cadmium	0.20	.025	.025	0.0	<0.20
Calcium	250	2.5	2.5	8.4	<250
Chromium	0.50	.09	.09	0.030	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	3.0	<15
Lead	1.0	.055	.055	0.11	<1.0
Magnesium	250	3.7	3.8	3.0	<250
Manganese	0.75	.035	.045	0.050	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	0.045	<2.0
Potassium	500	10	10	0.20	<500
Selenium	1.0	.1	.15	0.11	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	3.0	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	0.010	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	0.035	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24557: FA1371-1, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9, FA1371-10, FA1371-11, FA1371-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) All sample results >10x method blank concentration.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24557
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			02/01/13					02/01/13	
Metal	FA1370-1 Original	DUP	RPD	QC Limits	FA1370-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	513	629	20.0	0-20	513	2020	1260	119.9	80-120
Antimony	0.0	0.0	NC	0-20	0.0	21.1	23.3	90.6	80-120
Arsenic	0.079	0.12	41.2 (a)	0-20	0.079	87.2	93.1	93.5	80-120
Barium	0.27	0.76	95.1 (a)	0-20	0.27	101	93.1	108.1	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	2.3	2.33	98.8	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	2.4	2.33	103.1	80-120
Calcium	30.3	47.8	44.8 (a)	0-20	30.3	1310	1160	109.9	80-120
Chromium	0.58	0.90	43.2 (a)	0-20	0.58	10.8	9.31	109.7	80-120
Cobalt									
Copper									
Iron	286	425	39.1*(b)	0-20	286	1490	1210	99.4	80-120
Lead	0.074	0.11	39.1 (a)	0-20	0.074	23.8	23.3	101.9	80-120
Magnesium	9.6	13.1	30.8 (a)	0-20	9.6	1210	1160	103.1	80-120
Manganese	0.57	0.68	17.6	0-20	0.57	24.5	23.3	102.8	80-120
Molybdenum									
Nickel	0.10	0.12	18.2	0-20	0.10	22.8	23.3	97.5	80-120
Potassium	0.0	0.0	NC	0-20	0.0	1190	1160	102.2	80-120
Selenium	0.0	0.0	NC	0-20	0.0	87.8	93.1	94.3	80-120
Silver	anr								
Sodium	0.0	0.00	NC	0-20	0.0	1270	1160	109.1	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	88.2	93.1	94.7	80-120
Tin									
Titanium									
Vanadium	0.66	1.0	41.0 (a)	0-20	0.66	24.7	23.3	103.2	80-120
Zinc									

Associated samples MP24557: FA1371-1, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9, FA1371-10, FA1371-11, FA1371-12

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) High RPD due to possible sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24557 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 02/01/13

Metal	FA1370-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	513	2210	1310	130.0N(a	9.0	20
Antimony	0.0	22.1	24.2	91.4	4.6	20
Arsenic	0.079	91.8	96.7	94.9	5.1	20
Barium	0.27	107	96.7	110.4	5.8	20
Beryllium	0.0	2.5	2.42	103.4	8.3	20
Cadmium	0.0	2.5	2.42	103.4	4.1	20
Calcium	30.3	1380	1210	111.7	5.2	20
Chromium	0.58	11.6	9.67	114.0	7.1	20
Cobalt						
Copper						
Iron	286	1640	1260	107.7	9.6	20
Lead	0.074	25.1	24.2	103.5	5.3	20
Magnesium	9.6	1280	1210	105.1	5.6	20
Manganese	0.57	25.9	24.2	104.8	5.6	20
Molybdenum						
Nickel	0.10	24.0	24.2	98.9	5.1	20
Potassium	0.0	1260	1210	104.3	5.7	20
Selenium	0.0	92.4	96.7	95.6	5.1	20
Silver	anr					
Sodium	0.0	1340	1210	110.9	5.4	20
Strontium						
Thallium	0.0	93.0	96.7	96.2	5.3	20
Tin						
Titanium						
Vanadium	0.66	26.2	24.2	105.7	5.9	20
Zinc						

Associated samples MP24557: FA1371-1, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9, FA1371-10, FA1371-11, FA1371-12

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 and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24557
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/01/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1490	1350	110.4	80-120
Antimony	24.6	25	98.4	80-120
Arsenic	97.0	100	97.0	80-120
Barium	110	100	110.0	80-120
Beryllium	2.6	2.5	104.0	80-120
Cadmium	2.6	2.5	104.0	80-120
Calcium	1400	1250	112.0	80-120
Chromium	11.1	10	111.0	80-120
Cobalt				
Copper				
Iron	1350	1300	103.8	80-120
Lead	25.4	25	101.6	80-120
Magnesium	1300	1250	104.0	80-120
Manganese	26.5	25	106.0	80-120
Molybdenum				
Nickel	25.2	25	100.8	80-120
Potassium	1290	1250	103.2	80-120
Selenium	97.7	100	97.7	80-120
Silver	anr			
Sodium	1380	1250	110.4	80-120
Strontium				
Thallium	98.0	100	98.0	80-120
Tin				
Titanium				
Vanadium	26.3	25	105.2	80-120
Zinc				

Associated samples MP24557: FA1371-1, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9, FA1371-10, FA1371-11, FA1371-12

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24557
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/01/13

Metal	FA1370-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	11700	12500	6.5	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	1.80	0.00	100.0(a)	0-10
Barium	6.10	6.30	3.3	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	692	1540	122.3(a)	0-10
Chromium	13.3	12.7	4.5	0-10
Cobalt				
Copper				
Iron	6540	6860	4.9	0-10
Lead	1.70	0.00	100.0(a)	0-10
Magnesium	220	0.00	100.0(a)	0-10
Manganese	13.0	13.3	2.3	0-10
Molybdenum				
Nickel	2.30	3.30	43.5 (a)	0-10
Potassium	0.00	0.00	NC	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	0.00	0.00	NC	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	15.1	15.6	3.3	0-10
Zinc				

Associated samples MP24557: FA1371-1, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9, FA1371-10, FA1371-11, FA1371-12

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: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24557
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/01/13

Metal	Sample ml	Final ml	FA1370-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	11730	11495.4	14210	0.2	125	2500	108.6	80-120
Antimony	9.8	10	0	0	89.8	0.2	5	100	89.8	80-120
Arsenic	9.8	10	1.8	1.764	92.8	0.2	5	100	91.0	80-120
Barium	9.8	10	6.1	5.978	257.9	0.2	12.5	250	100.8	80-120
Beryllium	9.8	10	0	0	48.4	0.2	2.5	50	96.8	80-120
Cadmium	9.8	10	0	0	50.6	0.2	2.5	50	101.2	80-120
Calcium	9.8	10	691.8	677.964	6820	0.2	250	5000	122.8*(a	80-120
Chromium	9.8	10	13.3	13.034	66.1	0.2	2.5	50	106.1	80-120
Cobalt										
Copper										
Iron	9.8	10	6540	6409.2	9325	0.2	150	3000	97.2	80-120
Lead	9.8	10	1.7	1.666	50	0.2	2.5	50	96.7	80-120
Magnesium	9.8	10	219.7	215.306	5173	0.2	250	5000	99.2	80-120
Manganese	9.8	10	13	12.74	62.8	0.2	2.5	50	100.1	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	0	0	9684	0.2	500	10000	96.8	80-120
Selenium	9.8	10	0	0	89.6	0.2	5	100	89.6	80-120
Silver										
Sodium	9.8	10	0	0	10510	0.2	500	10000	105.1	80-120
Strontium										
Thallium	9.8	10	0	0	88	0.2	5	100	88.0	80-120
Tin										
Titanium										
Vanadium	9.8	10	15.1	14.798	64.6	0.2	2.5	50	99.6	80-120
Zinc										

Associated samples MP24557: FA1371-1, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9, FA1371-10, FA1371-11, FA1371-12

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.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24563
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/04/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	21.7	<200
Antimony	6.0	1.3	1.3	0.50	<6.0
Arsenic	10	1.6	2.5	-0.50	<10
Barium	200	1	1	-0.10	<200
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	8.2	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	8.6	<300
Lead	5.0	1.1	1.1	-0.40	<5.0
Magnesium	5000	74	74	-0.70	<5000
Manganese	15	.7	.7	0.0	<15
Molybdenum	50	.6	1		
Nickel	40	.5	.5	-0.20	<40
Potassium	10000	200	200	7.3	<10000
Selenium	10	2	2	1.3	<10
Silver	10	.5	.5		
Sodium	10000	500	500	23.9	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3	-0.20	<10
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1	0.10	<50
Zinc	20	3	5		

Associated samples MP24563: FA1371-7, FA1371-13

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: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24563
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/04/13					02/04/13	
Metal	FA1369-1 Original	DUP	RPD	QC Limits	FA1369-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	89.1	80.7	9.9	0-20	89.1	28100	27000	103.7	80-120
Antimony	0.0	0.0	NC	0-20	0.0	524	500	104.8	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2000	2000	100.0	80-120
Barium	53.3	51.9	2.7	0-20	53.3	2190	2000	106.8	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	53.6	50	107.2	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	50.9	50	101.8	80-120
Calcium	8890	8700	2.2	0-20	8890	34400	25000	102.0	80-120
Chromium	3.0	3.0	0.0	0-20	3.0	210	200	103.5	80-120
Cobalt									
Copper									
Iron	90.7	83.6	8.1	0-20	90.7	28200	26000	108.1	80-120
Lead	0.0	0.0	NC	0-20	0.0	478	500	95.6	80-120
Magnesium	5050	4860	3.8	0-20	5050	30500	25000	101.8	80-120
Manganese	1540	1490	3.3	0-20	1540	1950	500	82.0	80-120
Molybdenum									
Nickel	0.90	1.2	28.6 (a)	0-20	0.90	527	500	105.2	80-120
Potassium	1320	1260	4.7	0-20	1320	26800	25000	101.9	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2020	2000	101.0	80-120
Silver									
Sodium	8190	8050	1.7	0-20	8190	33500	25000	101.2	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	2030	2000	101.5	80-120
Tin									
Titanium									
Vanadium	3.4	3.4	0.0	0-20	3.4	512	500	101.7	80-120
Zinc									

Associated samples MP24563: FA1371-7, FA1371-13

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: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24563
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/04/13

Metal	FA1369-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	89.1	27300	27000	100.8	2.9	20
Antimony	0.0	515	500	103.0	1.7	20
Arsenic	0.0	1960	2000	98.0	2.0	20
Barium	53.3	2100	2000	102.3	4.2	20
Beryllium	0.0	51.9	50	103.8	3.2	20
Cadmium	0.0	49.6	50	99.2	2.6	20
Calcium	8890	33500	25000	98.4	2.7	20
Chromium	3.0	206	200	101.5	1.9	20
Cobalt						
Copper						
Iron	90.7	27300	26000	104.7	3.2	20
Lead	0.0	465	500	93.0	2.8	20
Magnesium	5050	29600	25000	98.2	3.0	20
Manganese	1540	1910	500	74.0N(a)	2.1	20
Molybdenum						
Nickel	0.90	519	500	103.6	1.5	20
Potassium	1320	26200	25000	99.5	2.3	20
Selenium	0.0	2000	2000	100.0	1.0	20
Silver						
Sodium	8190	32500	25000	97.2	3.0	20
Strontium						
Thallium	0.0	1970	2000	98.5	3.0	20
Tin						
Titanium						
Vanadium	3.4	506	500	100.5	1.2	20
Zinc						

Associated samples MP24563: FA1371-7, FA1371-13

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: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24563
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/04/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28500	27000	105.6	80-120
Antimony	535	500	107.0	80-120
Arsenic	2040	2000	102.0	80-120
Barium	2150	2000	107.5	80-120
Beryllium	54.4	50	108.8	80-120
Cadmium	52.0	50	104.0	80-120
Calcium	26900	25000	107.6	80-120
Chromium	210	200	105.0	80-120
Cobalt				
Copper				
Iron	28700	26000	110.4	80-120
Lead	483	500	96.6	80-120
Magnesium	26300	25000	105.2	80-120
Manganese	536	500	107.2	80-120
Molybdenum				
Nickel	540	500	108.0	80-120
Potassium	26000	25000	104.0	80-120
Selenium	2090	2000	104.5	80-120
Silver				
Sodium	26100	25000	104.4	80-120
Strontium				
Thallium	2050	2000	102.5	80-120
Tin				
Titanium				
Vanadium	519	500	103.8	80-120
Zinc				

Associated samples MP24563: FA1371-7, FA1371-13

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24563
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/04/13

Metal	FA1369-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	89.1	137	53.6 (a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	53.3	54.5	2.3	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	8890	9240	4.0	0-10
Chromium	3.00	0.00	100.0(a)	0-10
Cobalt				
Copper				
Iron	90.7	0.00	100.0(a)	0-10
Lead	0.00	0.00	NC	0-10
Magnesium	5050	5140	1.7	0-10
Manganese	1540	1580	2.6	0-10
Molybdenum				
Nickel	0.900	0.00	100.0(a)	0-10
Potassium	1320	1250	5.3	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	8190	8190	0.0	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	3.40	4.00	17.6 (a)	0-10
Zinc				

Associated samples MP24563: FA1371-7, FA1371-13

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: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24563
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/04/13

Metal	Sample ml	Final ml	FA1369-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	89.1	87.318	2534	0.2	125	2500	97.9	80-120
Antimony	9.8	10	0	0	104	0.2	5	100	104.0	80-120
Arsenic	9.8	10	0	0	99.9	0.2	5	100	99.9	80-120
Barium	9.8	10	53.3	52.234	305.5	0.2	12.5	250	101.3	80-120
Beryllium	9.8	10	0	0	53.3	0.2	2.5	50	106.6	80-120
Cadmium	9.8	10	0	0	51.8	0.2	2.5	50	103.6	80-120
Calcium	9.8	10	8888	8710.24	14330	0.2	250	5000	112.4	80-120
Chromium	9.8	10	3	2.94	54.5	0.2	2.5	50	103.1	80-120
Cobalt										
Copper										
Iron	9.8	10	90.7	88.886	3244	0.2	150	3000	105.2	80-120
Lead	9.8	10	0	0	45.4	0.2	2.5	50	90.8	80-120
Magnesium	9.8	10	5049	4948.02	9820	0.2	250	5000	97.4	80-120
Manganese	9.8	10	1542	1511.16	1526	0.2	2.5	50	29.7*(a)	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	1318	1291.64	10980	0.2	500	10000	96.9	80-120
Selenium	9.8	10	0	0	100.6	0.2	5	100	100.6	80-120
Silver										
Sodium	9.8	10	8189	8025.22	17710	0.2	500	10000	96.8	80-120
Strontium										
Thallium	9.8	10	0	0	98.3	0.2	5	100	98.3	80-120
Tin										
Titanium										
Vanadium	9.8	10	3.4	3.332	54	0.2	2.5	50	101.3	80-120
Zinc										

Associated samples MP24563: FA1371-7, FA1371-13

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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1371
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
Chloride	GP20904/GN53974	2.0	0.0	mg/l	50	51.5	103.0	90-110%
Chloride	GP20947/GN54075	20	0.0	mg/kg	501	513	102.5	90-110%
Fluoride	GP20904/GN53974	0.20	0.0	mg/l	2.5	2.33	93.2	90-110%
Fluoride	GP20947/GN54075	1.0	0.0	mg/kg	25	24.6	98.3	90-110%
Nitrogen, Ammonia	GP20913/GN54012	0.10	0.0	mg/l	2.5	2.45	98.0	90-110%
Nitrogen, Ammonia	GP20971/GN54130	1.2	0.0	mg/kg	30	30.6	102.0	80-120%
Nitrogen, Nitrate	GP20904/GN53974	0.10	0.0	mg/l	2.5	2.45	98.0	90-110%
Nitrogen, Nitrate	GP20947/GN54075	1.0	0.0	mg/kg	25	25.5	101.9	90-110%
Nitrogen, Nitrite	GP20904/GN53974	0.10	0.0	mg/l	2.5	2.46	98.4	90-110%
Nitrogen, Total Kjeldahl	GP20906/GN53982	0.53	0.0	mg/l	2.63	2.55	97.1	90-110%
Nitrogen, Total Kjeldahl	GP20924/GN54039	11	0.0	mg/kg	103	110	106.9	80-120%
Phosphorus, Total	GP20911/GN53995	0.10	0.0	mg/l	.300	0.27	91.5	81-118%
Phosphorus, Total	GP20916/GN54008	6.7	0.0	mg/kg	20.0	18.5	92.7	81-126%
Sulfate	GP20904/GN53974	2.0	0.0	mg/l	50	52.1	104.2	90-110%
Sulfate	GP20947/GN54075	20	0.0	mg/kg	501	518	103.5	90-110%

Associated Samples:
Batch GP20904: FA1371-13, FA1371-7
Batch GP20906: FA1371-13, FA1371-7
Batch GP20911: FA1371-13, FA1371-7
Batch GP20913: FA1371-13, FA1371-7
Batch GP20916: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GP20924: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GP20947: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GP20971: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1371
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
Phosphorus, Total	GP20911/GN53995	FA1229-1	mg/l	8.9	8.8	1.1	0-22%
Phosphorus, Total	GP20916/GN54008	FA1371-2	mg/kg	17500	14900	16.1	0-23%
Solids, Percent	GN53990	FA1367-4	%	79.7	80.2	0.6	0-5%
pH	GN53959	FA1371-7	su	6.17	6.16	0.2	0-10%
pH	GN54102	FA1371-2	su	7.77	7.72	0.6	0-10%

Associated Samples:
Batch GN53959: FA1371-13, FA1371-7
Batch GN53990: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GN54102: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GP20911: FA1371-13, FA1371-7
Batch GP20916: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1371
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
Chloride	GP20904/GN53974	FA1353-1	mg/l	9.6	50	61.6	104.0	90-110%
Chloride	GP20947/GN54075	FA1371-3	mg/kg	9.0 U	625	602	96.3	90-110%
Chloride	GP20947/GN54075	FA1371-12	mg/kg	8.2	563	552	96.6	90-110%
Fluoride	GP20904/GN53974	FA1353-1	mg/l	0.11	2.5	2.0	75.6N(a)	90-110%
Fluoride	GP20947/GN54075	FA1371-3	mg/kg	44.7	31.2	47.0	7.4N(a)	90-110%
Fluoride	GP20947/GN54075	FA1371-12	mg/kg	51.4	28.2	53.7	8.2N(a)	90-110%
Nitrogen, Ammonia	GP20913/GN54012	FA1320-1	mg/l	0.10	2.5	2.5	96.0	90-110%
Nitrogen, Ammonia	GP20971/GN54130	FA1416-2	mg/kg	7.9	33	41.7	102.5	80-120%
Nitrogen, Nitrate	GP20904/GN53974	FA1353-1	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Nitrate	GP20947/GN54075	FA1371-3	mg/kg	5.7	31.2	33.8	89.9N(a)	90-110%
Nitrogen, Nitrate	GP20947/GN54075	FA1371-12	mg/kg	0.56 U	28.2	25.1	89.2N(a)	90-110%
Nitrogen, Nitrite	GP20904/GN53974	FA1353-1	mg/l	0.050 U	2.5	2.5	100.0	90-110%
Nitrogen, Total Kjeldahl	GP20906/GN53982	FA1330-2	mg/l	14.9	2.63	21.4	247.6(b)	90-110%
Nitrogen, Total Kjeldahl	GP20924/GN54039	FA1371-1	mg/kg	555	111	869	284.0(b)	80-120%
Phosphorus, Total	GP20911/GN53995	FA1229-1	mg/l	8.9	.300	9.2	83.6	81-118%
Phosphorus, Total	GP20916/GN54008	FA1371-2	mg/kg	17500	22.6	19000	6840.0(b)	81-126%
Sulfate	GP20904/GN53974	FA1353-1	mg/l	0.60 U	50	49.0	98.0	90-110%
Sulfate	GP20947/GN54075	FA1371-3	mg/kg	244	625	897	104.5	90-110%
Sulfate	GP20947/GN54142	FA1371-12	mg/kg	14000	563	13200	-142.1(b)	90-110%

Associated Samples:
Batch GP20904: FA1371-13, FA1371-7
Batch GP20906: FA1371-13, FA1371-7
Batch GP20911: FA1371-13, FA1371-7
Batch GP20913: FA1371-13, FA1371-7
Batch GP20916: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GP20924: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GP20947: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GP20971: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
(*) 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: FA1371
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	GP20904/GN53974	FA1353-1	mg/l	9.6	50	61.6	0.0	
Chloride	GP20947/GN54075	FA1371-3	mg/kg	9.0 U	625	600	0.3	
Chloride	GP20947/GN54075	FA1371-12	mg/kg	8.2	563	550	0.4	
Fluoride	GP20904/GN53974	FA1353-1	mg/l	0.11	2.5	2.1	4.9N(a)	
Fluoride	GP20947/GN54075	FA1371-3	mg/kg	44.7	31.2	46.0	2.2N(a)	
Fluoride	GP20947/GN54075	FA1371-12	mg/kg	51.4	28.2	56.3	4.7N(a)	
Nitrogen, Ammonia	GP20913/GN54012	FA1320-1	mg/l	0.10	2.5	2.5	0.0	20%
Nitrogen, Ammonia	GP20971/GN54130	FA1416-2	mg/kg	7.9	33.6	34.4	19.2N(a)	30%
Nitrogen, Nitrate	GP20904/GN53974	FA1353-1	mg/l	0.050 U	2.5	2.4	0.0	
Nitrogen, Nitrate	GP20947/GN54075	FA1371-3	mg/kg	5.7	31.2	34.9	3.2	
Nitrogen, Nitrate	GP20947/GN54075	FA1371-12	mg/kg	0.56 U	28.2	48.0	62.7N(a)	
Nitrogen, Nitrite	GP20904/GN53974	FA1353-1	mg/l	0.050 U	2.5	2.5	0.0	
Nitrogen, Total Kjeldahl	GP20906/GN53982	FA1330-2	mg/l	14.9	2.63	17.4	20.6	20%
Nitrogen, Total Kjeldahl	GP20924/GN54039	FA1371-1	mg/kg	555	113	812	6.8(b)	30%
Phosphorus, Total	GP20911/GN53995	FA1229-1	mg/l	8.9	.300	9.22	0.5	22%
Phosphorus, Total	GP20916/GN54008	FA1371-2	mg/kg	17500	22.6	18800	1.1(c)	23%
Sulfate	GP20904/GN53974	FA1353-1	mg/l	0.60 U	50	49.1	0.2	
Sulfate	GP20947/GN54075	FA1371-3	mg/kg	244	625	828	8.0	
Sulfate	GP20947/GN54142	FA1371-12	mg/kg	14000	563	13200	0.0(b)	

Associated Samples:
Batch GP20904: FA1371-13, FA1371-7
Batch GP20906: FA1371-13, FA1371-7
Batch GP20911: FA1371-13, FA1371-7
Batch GP20913: FA1371-13, FA1371-7
Batch GP20916: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GP20924: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GP20947: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
Batch GP20971: FA1371-1, FA1371-10, FA1371-11, FA1371-12, FA1371-2, FA1371-3, FA1371-4, FA1371-5, FA1371-6, FA1371-8, FA1371-9
(*) 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.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313010201.TXT Date Analyzed: 02/01/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN53974
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:11	GN53974-CCV1	1		
10:06	GN53974-CCB1	1		
10:21	GP20904-MB1	1		
10:37	GP20904-B1	1		
11:25	ZZZZZZ	5		
11:41	FA1371-7	1		
11:57	FA1371-13	1		
12:12	FA1353-1	1		(sample used for QC only; not part of login FA1371)
12:28	ZZZZZZ	1		
12:44	ZZZZZZ	1		
13:00	GN53974-CCV2	1		
13:16	GN53974-CCB2	1		
13:32	ZZZZZZ	1		
13:48	ZZZZZZ	1		
14:04	ZZZZZZ	1		
15:01	GP20904-S1	1		
15:17	GP20904-S2	1		
15:48	GN53974-CCV3	1		
16:04	GN53974-CCB3	1		
16:20	ZZZZZZ	200		
16:36	FA1093-5	200		(sample used for QC only; not part of login FA1371)
16:52	ZZZZZZ	100		
17:08	GP20878-S3	200		
17:24	GP20878-S4	200		
17:55	GN53974-CCV4	1		
18:11	GN53974-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313010201.TXT Date Analyzed: 02/01/13 Methods: EPA 300/SW846 9056A
Run ID: GN53974 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN53974-CCV1	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN53974-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN53974-CCV1	Sulfate	51.8	2.0	0.60	50	103.6	90-110
GN53974-CCB1	Fluoride	0.060 U	0.20	0.060			
GN53974-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN53974-CCB1	Sulfate	0.60 U	2.0	0.60			
GN53974-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN53974-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN53974-CCV2	Sulfate	54.0	2.0	0.60	50	108.0	90-110
GN53974-CCB2	Fluoride	0.060 U	0.20	0.060			
GN53974-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN53974-CCB2	Sulfate	0.60 U	2.0	0.60			
GN53974-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN53974-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN53974-CCV3	Sulfate	51.8	2.0	0.60	50	103.6	90-110
GN53974-CCB3	Fluoride	0.060 U	0.20	0.060			
GN53974-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN53974-CCB3	Sulfate	0.60 U	2.0	0.60			
GN53974-CCV4	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN53974-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN53974-CCV4	Sulfate	52.6	2.0	0.60	50	105.2	90-110
GN53974-CCB4	Fluoride	0.060 U	0.20	0.060			
GN53974-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN53974-CCB4	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020413TKN1.CSV Date Analyzed: 02/04/13 Methods: EPA 351.2
Analyst: MG Run ID: GN53982
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:53	GN53982-ICV1	1		
11:54	GN53982-CCV1	1		
11:55	GN53982-CCB1	1		
11:57	GP20906-MB1	1		
11:58	GP20906-B1	1		
12:08	GN53982-CCV2	1		
12:09	GN53982-CCB2	1		
12:12	ZZZZZZ	25		
12:13	ZZZZZZ	25		
12:14	FA1330-2	2		(sample used for QC only; not part of login FA1371)
12:18	ZZZZZZ	25		
12:20	ZZZZZZ	200		
12:21	GN53982-CCV3	1		
12:22	GN53982-CCB3	1		
12:23	FA1371-7	1		
12:24	FA1371-13	1		
12:25	GP20906-S1	5		
12:26	GP20906-S2	5		
12:28	ZZZZZZ	5		
12:29	GN53982-CCV4	1		
12:30	GN53982-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020413TKN1.CSV Date Analyzed: 02/04/13 Methods: EPA 351.2
Run ID: GN53982 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN53982-ICV1	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN53982-CCV1	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN53982-CCB1	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN53982-CCV2	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN53982-CCB2	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN53982-CCV3	Nitrogen, Total Kjeldahl	2.6	0.50	0.16	2.5	104.0	90-110
GN53982-CCB3	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN53982-CCV4	Nitrogen, Total Kjeldahl	2.7	0.50	0.16	2.5	108.0	90-110
GN53982-CCB4	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020513AMN1.CSV Date Analyzed: 02/05/13 Methods: EPA 350.1
Analyst: TC Run ID: GN54012
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:26	GN54012-ICV1	1		
11:27	GN54012-CCV1	1		
11:28	GN54012-CCB1	1		
11:29	GP20913-MB1	1		
11:30	GP20913-B1	1		
11:31	FA1320-1	1		(sample used for QC only; not part of login FA1371)
11:32	GP20913-S1	1		
11:33	GP20913-S2	1		
11:34	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:36	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:39	GN54012-CCV2	1		
11:40	GN54012-CCB2	1		
11:41	ZZZZZZ	1		
11:42	ZZZZZZ	1		
11:43	ZZZZZZ	1		
11:44	ZZZZZZ	1		
11:45	FA1371-7	1		
11:46	FA1371-13	1		
11:47	ZZZZZZ	1		
11:48	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:51	GN54012-CCV3	1		
11:52	GN54012-CCB3	1		
11:53	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:55	GN54012-CCV4	1		
11:56	GN54012-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020513AMN1.CSV Date Analyzed: 02/05/13 Methods: EPA 350.1
Run ID: GN54012 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54012-ICV1	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54012-CCV1	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54012-CCB1	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54012-CCV2	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54012-CCB2	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54012-CCV3	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54012-CCB3	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54012-CCV4	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54012-CCB4	Nitrogen, Ammonia	0.030 U	0.10	0.030			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020713TKN2.CSV Date Analyzed: 02/07/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54039
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:06	GN54039-ICV1	1		
11:07	GN54039-CCV1	1		
11:09	GN54039-CCB1	1		
11:10	GP20924-MB1	1		
11:11	GP20924-B1	1		
11:20	FA1371-5	1		
11:21	GN54039-CCV2	1		
11:22	GN54039-CCB2	1		
11:23	FA1371-6	1		
11:24	FA1371-8	1		
11:25	FA1371-9	1		
11:27	FA1371-11	1		
11:28	FA1371-12	1		
11:29	ZZZZZZ	1		
11:31	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:34	GN54039-CCV3	1		
11:35	GN54039-CCB3	1		
11:37	ZZZZZZ	1		
11:44	GP20924-S1	5		
11:45	GP20924-S2	5		
11:46	FA1371-2	5		
11:47	GN54039-CCV4	1		
11:48	GN54039-CCB4	1		
11:49	FA1371-1	5		
11:52	FA1371-4	5		
11:53	FA1371-8	1		
11:54	FA1371-10	5		
11:55	ZZZZZZ	5		
11:56	ZZZZZZ	5		
11:57	ZZZZZZ	5		
11:58	ZZZZZZ	5		
11:59	ZZZZZZ	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020713TKN2.CSV Date Analyzed: 02/07/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54039
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:01	GN54039-CCV5	1		
12:02	GN54039-CCB5	1		
12:03	FA1371-3	10		
12:04	GN54039-CCV6	1		
12:05	GN54039-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020713TKN2.CSV Date Analyzed: 02/07/13 Methods: EPA 351.2 M
Run ID: GN54039 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54039-ICV1	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54039-CCV1	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54039-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54039-CCV2	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54039-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54039-CCV3	Nitrogen, Total Kjeldahl	2.7	0.25	0.10	2.5	108.0	90-110
GN54039-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54039-CCV4	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54039-CCB4	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54039-CCV5	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54039-CCB5	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54039-CCV6	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54039-CCB6	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313080201.TXT Date Analyzed: 02/08/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54075
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:51	GN54075-CCV1	1		
10:07	GN54075-CCB1	1		
10:23	GP20948-MB1	1		
10:39	GP20948-B1	1		
11:26	ZZZZZZ	2		
11:42	ZZZZZZ	2		
11:58	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:46	ZZZZZZ	1		
13:02	GN54075-CCV2	1		
13:18	GN54075-CCB2	1		
13:34	ZZZZZZ	1		
13:50	ZZZZZZ	100		
14:05	FA1566-2	1		(sample used for QC only; not part of login FA1371)
14:23	ZZZZZZ	1000		
15:18	GP20948-S1	1		
15:34	GP20948-S2	1		
15:49	GN54075-CCV3	1		
16:05	GN54075-CCB3	1		
16:21	GP20947-MB1	1		
16:37	GP20947-B1	1		
16:53	FA1371-1	2		
17:09	FA1371-2	5		
17:25	FA1371-3	1		
17:41	FA1371-4	5		
17:57	FA1371-5	1		
18:12	FA1371-6	1		
18:28	FA1371-8	1		
19:00	GN54075-CCV4	1		
19:16	GN54075-CCB4	1		
19:32	FA1371-9	1		
19:48	FA1371-10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313080201.TXT Date Analyzed: 02/08/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54075
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:04	FA1371-11	1		
20:20	FA1371-12	1		
20:36	ZZZZZZ	1		
20:51	GP20947-S1	1		
21:07	GP20947-S2	1		
21:23	GP20947-S3	1		
21:39	GP20947-S4	1		
22:11	GN54075-CCV5	1		
22:27	GN54075-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313080201.TXT Date Analyzed: 02/08/13 Methods: EPA 300/SW846 9056A
Run ID: GN54075 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54075-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54075-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54075-CCV1	Sulfate	52.9	2.0	0.60	50	105.8	90-110
GN54075-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54075-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54075-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54075-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54075-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54075-CCV2	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN54075-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54075-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54075-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54075-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54075-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54075-CCV3	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN54075-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54075-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54075-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54075-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54075-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54075-CCV4	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54075-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54075-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54075-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54075-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54075-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54075-CCV5	Sulfate	51.1	2.0	0.60	50	102.2	90-110
GN54075-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54075-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54075-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54101
Parameters: Fluoride,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:25	GN54101-CCV1	1		
09:41	GN54101-CCB1	1		
09:56	GP20959-MB1	1		
10:12	GP20959-B1	1		
11:00	FA1564-6	1		(sample used for QC only; not part of login FA1371)
11:16	ZZZZZZ	500		
11:32	ZZZZZZ	500		
11:48	ZZZZZZ	100		
12:04	GP20959-S1	1		
12:20	GP20959-S2	1		
12:35	GN54101-CCV2	1		
12:51	GN54101-CCB2	1		
13:11	GP20960-MB1	1		
13:27	GP20960-B1	1		
13:43	FA1371-1	5		
13:59	FA1371-5	25		
14:15	FA1371-6	5		
14:46	FA1371-9	10		
15:02	FA1371-10	10		
15:18	FA1371-11	10		
15:50	GN54101-CCV3	1		
16:06	GN54101-CCB3	1		
16:38	ZZZZZZ	2		
17:25	FA1371-6	10		
17:41	FA1371-8	5		
17:57	FA1371-10	25		
18:13	FA1371-11	25		
18:29	FA1416-2	5		(sample used for QC only; not part of login FA1371)
19:01	GN54101-CCV4	1		
19:17	GN54101-CCB4	1		
19:33	ZZZZZZ	5		
19:49	ZZZZZZ	5		
20:04	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54101
Parameters: Fluoride,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:20	ZZZZZZ	5		
20:36	ZZZZZZ	5		
20:52	ZZZZZZ	5		
21:08	ZZZZZZ	5		
21:24	GP20960-S1	5		
21:40	GP20960-S2	5		
22:12	GN54101-CCV5	1		
22:27	GN54101-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Run ID: GN54101 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54101-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54101-CCV1	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN54101-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV2	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54101-CCV2	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54101-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54101-CCV3	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54101-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV4	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54101-CCV4	Sulfate	51.1	2.0	0.60	50	102.2	90-110
GN54101-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54101-CCV5	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54101-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021313AMN1.CSV Date Analyzed: 02/13/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54130
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:46	GN54130-ICV1	1		
14:47	GN54130-CCV1	1		
14:48	GN54130-CCB1	1		
14:49	GP20971-MB1	1		
14:50	GP20971-B1	1		
14:51	GP20971-S1	1		
14:53	GP20971-S2	1		
14:54	FA1416-2	1		(sample used for QC only; not part of login FA1371)
14:55	FA1371-1	1		
14:56	FA1371-2	1		
14:57	FA1371-3	1		
14:59	FA1371-5	1		
15:00	GN54130-CCV2	1		
15:01	GN54130-CCB2	1		
15:02	FA1371-6	1		
15:03	FA1371-8	1		
15:04	FA1371-9	1		
15:05	FA1371-10	1		
15:07	FA1371-12	1		
15:08	ZZZZZZ	1		
15:09	ZZZZZZ	1		
15:12	GN54130-CCV3	1		
15:13	GN54130-CCB3	1		
15:17	FA1371-4	1		
15:18	FA1371-11	2		
15:19	ZZZZZZ	5		
15:20	ZZZZZZ	2		
15:21	ZZZZZZ	2		
15:22	ZZZZZZ	2		
15:23	ZZZZZZ	5		
15:24	GN54130-CCV4	1		
15:25	GN54130-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021313AMN1.CSV Date Analyzed: 02/13/13 Methods: EPA 350.1 M
Run ID: GN54130 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54130-ICV1	Nitrogen, Ammonia	2.6	0.10	0.022	2.5	104.0	90-110
GN54130-CCV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54130-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54130-CCV2	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54130-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54130-CCV3	Nitrogen, Ammonia	2.6	0.10	0.022	2.5	104.0	90-110
GN54130-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54130-CCV4	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54130-CCB4	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54142
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:46	GN54142-CCV1	1		
11:02	GN54142-CCB1	1		
11:18	GP20974-MB1	1		
12:07	GP20974-B1	1		
12:54	FA1526-1	1		(sample used for QC only; not part of login FA1371)
13:10	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:42	GP20974-S1	1		
13:58	GP20974-S2	1		
14:14	GN54142-CCV2	1		
14:29	GN54142-CCB2	1		
15:14	GP20972-MB1	1		
15:30	GP20972-B1	1		
16:15	FA1371-12	25		
16:31	GP20947-S3	25		
16:47	GP20947-S4	25		
17:19	ZZZZZZ	10		
17:35	ZZZZZZ	5		
17:50	ZZZZZZ	5		
18:22	GN54142-CCV3	1		
18:38	GN54142-CCB3	1		
18:54	ZZZZZZ	5		
19:10	FA1446-4	5		(sample used for QC only; not part of login FA1371)
19:26	ZZZZZZ	5		
19:42	ZZZZZZ	5		
19:58	ZZZZZZ	5		
20:14	ZZZZZZ	5		
20:29	ZZZZZZ	5		
20:45	ZZZZZZ	5		
21:01	ZZZZZZ	5		
21:33	GN54142-CCV4	1		
21:49	GN54142-CCB4	1		
22:05	FA1466-6	5		(sample used for QC only; not part of login FA1371)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54142
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:21	GP20972-S1	5		
22:37	GP20972-S2	5		
22:52	GP20972-S3	5		
23:08	GP20972-S4	5		
23:40	GN54142-CCV5	1		
23:56	GN54142-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1371
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Run ID: GN54142 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54142-CCV1	Sulfate	52.5	2.0	0.60	50	105.0	90-110
GN54142-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV2	Sulfate	52.4	2.0	0.60	50	104.8	90-110
GN54142-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV3	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN54142-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV4	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN54142-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV5	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN54142-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA1371
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1371-1 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-37 (0-1)

Wet Weight (Total)	7.43	g
Tare Weight	1.01	g
Dry Weight (Total)	6.87	g
Solids, Percent	91.3	%

Sample: FA1371-2 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-37 (1-2)

Wet Weight (Total)	6.53	g
Tare Weight	1.03	g
Dry Weight (Total)	5.9	g
Solids, Percent	88.5	%

Sample: FA1371-3 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-37 (4-5)

Wet Weight (Total)	7.39	g
Tare Weight	1.02	g
Dry Weight (Total)	6.12	g
Solids, Percent	80.1	%

Sample: FA1371-4 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-37 (9-10)

Wet Weight (Total)	6.87	g
Tare Weight	1	g
Dry Weight (Total)	5.47	g
Solids, Percent	76.1	%

Sample: FA1371-5 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-37 (14-15)

Wet Weight (Total)	6.9	g
Tare Weight	1	g
Dry Weight (Total)	5.91	g
Solids, Percent	83.2	%

Sample: FA1371-6 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-37 (18-19)

Wet Weight (Total)	6.66	g
Tare Weight	1.04	g
Dry Weight (Total)	5.73	g
Solids, Percent	83.5	%

Percent Solids Raw Data Summary

Job Number: FA1371
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1371-8 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-38 (0-1)

Wet Weight (Total)	6.94	g
Tare Weight	1.01	g
Dry Weight (Total)	6.41	g
Solids, Percent	91.1	%

Sample: FA1371-9 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-38 (1-2)

Wet Weight (Total)	6.15	g
Tare Weight	1.03	g
Dry Weight (Total)	5.07	g
Solids, Percent	78.9	%

Sample: FA1371-10 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-38 (4-5)

Wet Weight (Total)	7.04	g
Tare Weight	1	g
Dry Weight (Total)	5.71	g
Solids, Percent	78	%

Sample: FA1371-11 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-38 (9-10)

Wet Weight (Total)	7.64	g
Tare Weight	1.03	g
Dry Weight (Total)	6.38	g
Solids, Percent	80.9	%

Sample: FA1371-12 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-38 (14-15)

Wet Weight (Total)	6.58	g
Tare Weight	1.02	g
Dry Weight (Total)	5.96	g
Solids, Percent	88.8	%

Southeast ACCUTEST LABORATORIES

02/18/13

Technical Report for

WSP Environment & Energy

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

36785-01

Accutest Job Number: FA1416

Sampling Date: 02/01/13

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: **143**

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.

Table of Contents

-1-

Section 1: Sample Summary 3
Section 2: Case Narrative/Conformance Summary 4
Section 3: Summary of Hits 12
Section 4: Sample Results 17
- **4.1:** FA1416-1: EB-SOIL-2/1/13 18
- **4.2:** FA1416-2: A-40 (0-1) 20
- **4.3:** FA1416-3: A-40 (1-2) 22
- **4.4:** FA1416-4: A-40 (4-5) 24
- **4.5:** FA1416-5: A-40 (5-6) 26
- **4.6:** FA1416-6: A-40 (9-10) 28
- **4.7:** FA1416-7: A-2/1/13 30
- **4.8:** FA1416-8: A-40 (7-8) 32
- **4.9:** FA1416-9: A-40 (14-15) 34

Section 5: Misc. Forms 36
- **5.1:** Chain of Custody 37

Section 6: Metals Analysis - QC Data Summaries 40
- **6.1:** Inst QC MA10509: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 41
- **6.2:** Inst QC MA10512: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V 60
- **6.3:** Inst QC MA10513: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 76
- **6.4:** Inst QC MA10515: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V 94
- **6.5:** Prep QC MP24558: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 105
- **6.6:** Prep QC MP24565: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V 111

Section 7: General Chemistry - QC Data Summaries 117
- **7.1:** Method Blank and Spike Results Summary 118
- **7.2:** Duplicate Results Summary 119
- **7.3:** Matrix Spike Results Summary 120
- **7.4:** Matrix Spike Duplicate Results Summary 121
- **7.5:** Inst QC GN53976: Fluoride,Nitrogen, Nitrate,Sulfate 122
- **7.6:** Inst QC GN54012: Nitrogen, Ammonia 124
- **7.7:** Inst QC GN54037: Nitrogen, Total Kjeldahl 126
- **7.8:** Inst QC GN54039: Nitrogen, Total Kjeldahl 128
- **7.9:** Inst QC GN54101: Fluoride,Nitrogen, Nitrate,Sulfate 131
- **7.10:** Inst QC GN54130: Nitrogen, Ammonia 134
- **7.11:** Inst QC GN54142: Fluoride 136
- **7.12:** Inst QC GN54163: Fluoride 139
- **7.13:** Percent Solids Raw Data Summary 142

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA1416

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
FA1416-1	02/01/13	08:40	IP	02/02/13	AQ	Equipment Blank	EB-SOIL-2/1/13
FA1416-2	02/01/13	09:32	IP	02/02/13	SO	Soil	A-40 (0-1)
FA1416-3	02/01/13	09:34	IP	02/02/13	SO	Soil	A-40 (1-2)
FA1416-4	02/01/13	09:36	IP	02/02/13	SO	Soil	A-40 (4-5)
FA1416-5	02/01/13	09:55	IP	02/02/13	SO	Soil	A-40 (5-6)
FA1416-6	02/01/13	09:57	IP	02/02/13	SO	Soil	A-40 (9-10)
FA1416-7	02/01/13	10:03	IP	02/02/13	SO	Soil	A-2/1/13
FA1416-8	02/01/13	10:05	IP	02/02/13	SO	Soil	A-40 (7-8)
FA1416-9	02/01/13	10:20	IP	02/02/13	SO	Soil	A-40 (14-15)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA1416

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 2/18/2013 4:15:13 PM

9 Sample(s) were collected on 02/01/2013 and were received at Accutest SE on 02/02/2013 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of FA1416. 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:** MP24565

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) FA1415-1FDUP, FA1415-1FMSD, FA1415-1FPS, FA1415-1FSDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Antimony, Arsenic, Barium, Beryllium, Lead, Selenium, Thallium are outside control limits. Spike recovery indicates possible matrix interference.

Matrix Spike Duplicate Recovery(s) for Antimony, Lead, Thallium are outside control limits. Spike recovery indicates possible matrix interference.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Aluminum, Cadmium, Calcium, Chromium, Iron, Magnesium, Manganese, Potassium, Sodium, Vanadium 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, Manganese, Potassium, Sodium, Vanadium are outside control limits for sample MP24565-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24565-SD1 for Cadmium: Serial dilution indicates possible matrix interference.

MP24565-SD1 for Chromium: Serial dilution indicates possible matrix interference.

MP24565-SD1 for Calcium: Serial dilution indicates possible matrix interference.

MP24565-SD1 for Aluminum: Serial dilution indicates possible matrix interference.

MP24565-SD1 for Potassium: Serial dilution indicates possible matrix interference.

MP24565-SD1 for Vanadium: Serial dilution indicates possible matrix interference.

MP24565-SD1 for Sodium: Serial dilution indicates possible matrix interference.

MP24565-SD1 for Magnesium: Serial dilution indicates possible matrix interference.

MP24565-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24565-SD1 for Manganese: Serial dilution indicates possible matrix interference.

MP24565-PS1 for Thallium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Vanadium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Iron: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Sodium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Selenium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Potassium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP24565

MP24565-PS1 for Magnesium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Chromium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Cadmium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Antimony: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Aluminum: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Manganese: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24565-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Matrix: SO **Batch ID:** MP24558

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) FA1416-2DUP, FA1416-2MS, FA1416-2MSD, FA1416-2PS, FA1416-2SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Antimony, Arsenic, Beryllium, Nickel, Selenium, Sodium, Thallium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery(s) for Antimony, Arsenic, Nickel, Sodium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Aluminum, Cadmium, Calcium, Chromium, Iron, Magnesium, Manganese 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 Cadmium, Calcium, Chromium, Iron, Magnesium, Manganese, Arsenic, Barium, Nickel, Vanadium are outside control limits for sample MP24558-D1. High RPD due to possible sample nonhomogeneity.

RPD(s) for MSD for Antimony, Arsenic, Beryllium, Iron, Nickel, Potassium, Selenium, Sodium, Thallium are outside control limits for sample MP24558-S2. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Arsenic, Beryllium, Lead, Potassium, Sodium, Aluminum, Barium, Cadmium, Calcium, Chromium, Iron, Magnesium, Manganese, Nickel, Vanadium are outside control limits for sample MP24558-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24558-D1 for Arsenic: RPD acceptable due to low duplicate and sample concentrations.

MP24558-D1 for Barium: RPD acceptable due to low duplicate and sample concentrations.

MP24558-D1 for Nickel: RPD acceptable due to low duplicate and sample concentrations.

MP24558-D1 for Vanadium: RPD acceptable due to low duplicate and sample concentrations.

MP24558-SD1 for Vanadium: Serial dilution indicates possible matrix interference.

MP24558-SD1 for Manganese: Serial dilution indicates possible matrix interference.

MP24558-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24558-SD1 for Chromium: Serial dilution indicates possible matrix interference.

MP24558-SD1 for Calcium: Serial dilution indicates possible matrix interference.

MP24558-SD1 for Cadmium: Serial dilution indicates possible matrix interference.

MP24558-SD1 for Barium: Serial dilution indicates possible matrix interference.

MP24558-SD1 for Aluminum: Serial dilution indicates possible matrix interference.

MP24558-SD1 for Nickel: Serial dilution indicates possible matrix interference.

MP24558-PS1 for Aluminum: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24558-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24558-PS1 for Vanadium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24558-PS1 for Iron: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24558

MP24558-PS1 for Chromium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24558-PS1 for Magnesium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24558-PS1 for Barium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24558-PS1 for Cadmium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24558-PS1 for Potassium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24558-PS1 for Manganese: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA1416-6 for Lead: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Potassium: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Manganese: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA1416-7 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA1416-7 for Aluminum: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Vanadium: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Magnesium: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Thallium: Elevated reporting limit(s) due to matrix interference.

FA1416-7 for Beryllium: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Nickel: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Sodium: Elevated reporting limit(s) due to matrix interference.

FA1416-8 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Magnesium: Elevated reporting limit(s) due to matrix interference.

FA1416-6 for Iron: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA1416-2 for Lead: Elevated reporting limit(s) due to matrix interference.

FA1416-8 for Magnesium: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1416-8 for Iron: Elevated reporting limit(s) due to matrix interference.

FA1416-8 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA1416-8 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA1416-8 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1416-8 for Beryllium: Elevated reporting limit(s) due to matrix interference.

FA1416-8 for Barium: Elevated reporting limit(s) due to matrix interference.

FA1416-8 for Manganese: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Iron: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Sodium: Elevated reporting limit(s) due to matrix interference.

FA1416-8 for Aluminum: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Potassium: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Nickel: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Manganese: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Aluminum: Elevated reporting limit(s) due to matrix interference.

FA1416-9 for Lead: Elevated reporting limit(s) due to matrix interference.

FA1416-7 for Iron: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24558

FA1416-9 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1416-9 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1416-9 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1416-9 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1416-9 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Lead: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1416-8 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1416-8 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1416-8 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1416-2 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1416-7 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1416-6 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1416-6 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Lead: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24558

FA1416-5 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Selenium: Elevated reporting limit(s) due to matrix interference.
MP24558-SD1 for Magnesium: Serial dilution indicates possible matrix interference.
FA1416-5 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1416-6 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1416-9 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Lead: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1416-6 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1416-5 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1416-6 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1416-8 for Lead: Elevated reporting limit(s) due to matrix interference.
FA1416-8 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1416-8 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1416-8 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1416-8 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Lead: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1416-4 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1416-3 for Potassium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24558

FA1416-4 for Barium: Elevated reporting limit(s) due to matrix interference.

FA1416-4 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1416-4 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA1416-3 for Antimony: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP20907

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) FA1395-1MS, FA1395-1MSD were used as the QC samples for 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.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: SO **Batch ID:** GP20960

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) FA1416-2MSD, FA1416-2MS were used as the QC samples for Fluoride, Nitrogen, Nitrate, Sulfate.

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

FA1416-6 for Fluoride: Dilution required due to matrix interference.

FA1416-7 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1416-5 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1416-6 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1416-4 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1416-7 for Fluoride: Dilution required due to matrix interference.

FA1416-9 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1416-8 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 350.1

Matrix: AQ **Batch ID:** GP20913

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) FA1320-1MS, FA1320-1MSD were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP20971

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) FA1416-2MS, FA1416-2MSD were used as the QC samples for Nitrogen, Ammonia.

Matrix Spike Duplicate Recovery(s) for Nitrogen, Ammonia 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 351.2

Matrix: AQ **Batch ID:** GP20923

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) FA1436-1MS, FA1436-1MSD were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl are outside control limits. Probable cause is due to matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 351.2 M

Matrix: SO **Batch ID:** GP20924

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) FA1371-1MSD, FA1371-1MS were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery for Nitrogen, Total Kjeldahl 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 EPA 365.3

Matrix: AQ **Batch ID:** GP20911

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) FA1229-1DUP, FA1229-1MS, FA1229-1MSD were used as the QC samples for Phosphorus, Total.

Wet Chemistry By Method EPA 365.3M

Matrix: SO **Batch ID:** GP20954

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) FA1416-9DUP, FA1416-9MSD were used as the QC samples for Phosphorus, Total.

Matrix Spike 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:** GN54157

Sample(s) FA1713-2DUP was used as the QC sample for pH.

FA1416-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN53979

Sample(s) FA1254-9DUP was used as the QC sample for Solids, Percent.

Matrix: SO **Batch ID:** GN54006

Sample(s) FA1416-3DUP was used as the QC sample for Solids, Percent.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54102

Sample(s) FA1416-4DUP was used as the QC sample for pH.

Matrix: SO **Batch ID:** GN54201

Sample(s) FA1416-9DUP was used as the QC sample for pH.

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.

2

Narrative prepared by:

_____ Date: February 18, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1416
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/01/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1416-1	**EB-SOIL-2/1/13**					
Calcium		201 J	1000	50	ug/l	SW846 6010C
Iron		105 J	300	29	ug/l	SW846 6010C
Lead		9.6	5.0	1.1	ug/l	SW846 6010C
Manganese		2.7 J	15	0.70	ug/l	SW846 6010C
Fluoride		0.26	0.20	0.060	mg/l	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		0.45 J	0.53	0.17	mg/l	EPA 351.2
Sulfate		7.0	2.0	0.60	mg/l	EPA 300/SW846 9056A
pH [a]		6.40			su	SM 4500H B/SW 9040C
FA1416-2	**A-40 (0-1)**					
Aluminum [b]		6000	99	9.9	mg/kg	SW846 6010C
Arsenic [b]		4.8 J	5.0	0.80	mg/kg	SW846 6010C
Barium [b]		61.6 J	99	2.5	mg/kg	SW846 6010C
Beryllium [b]		0.38 J	2.5	0.25	mg/kg	SW846 6010C
Cadmium [b]		13.3	2.0	0.25	mg/kg	SW846 6010C
Calcium [b]		87200	2500	25	mg/kg	SW846 6010C
Chromium [b]		49.0	5.0	0.89	mg/kg	SW846 6010C
Iron [b]		13300	150	35	mg/kg	SW846 6010C
Lead [b]		2.7 J	9.9	0.55	mg/kg	SW846 6010C
Magnesium [b]		42000	2500	38	mg/kg	SW846 6010C
Manganese [b]		193	7.5	0.45	mg/kg	SW846 6010C
Nickel [b]		28.9	20	0.25	mg/kg	SW846 6010C
Potassium [b]		1320 J	5000	99	mg/kg	SW846 6010C
Sodium [b]		606 J	5000	250	mg/kg	SW846 6010C
Vanadium [b]		48.5	25	0.25	mg/kg	SW846 6010C
Fluoride		87.9	5.7	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		7.9	1.4	0.30	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		9.4	5.7	2.9	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		189	11	4.5	mg/kg	EPA 351.2 M
Phosphorus, Total		7900	2900	440	mg/kg	EPA 365.3M
Sulfate		725	110	34	mg/kg	EPA 300/SW846 9056A
pH		7.48			su	SW846 9045D
FA1416-3	**A-40 (1-2)**					
Aluminum [b]		3660	73	7.3	mg/kg	SW846 6010C
Arsenic [b]		2.2 J	3.7	0.59	mg/kg	SW846 6010C
Barium [b]		17.0 J	73	1.8	mg/kg	SW846 6010C
Beryllium [b]		0.40 J	1.8	0.18	mg/kg	SW846 6010C
Cadmium [b]		5.6	1.5	0.18	mg/kg	SW846 6010C
Calcium [b]		32800	1800	18	mg/kg	SW846 6010C
Chromium [b]		17.8	3.7	0.66	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1416
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/01/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron [b]		5210	110	26	mg/kg	SW846 6010C
Lead [b]		0.47 J	7.3	0.40	mg/kg	SW846 6010C
Magnesium [b]		16500	1800	28	mg/kg	SW846 6010C
Manganese [b]		105	5.5	0.33	mg/kg	SW846 6010C
Nickel [b]		14.5 J	15	0.18	mg/kg	SW846 6010C
Potassium [b]		548 J	3700	73	mg/kg	SW846 6010C
Sodium [b]		530 J	3700	180	mg/kg	SW846 6010C
Vanadium [b]		21.9	18	0.18	mg/kg	SW846 6010C
Fluoride		34.5	5.4	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		1.7	1.3	0.28	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		11.0	5.4	2.7	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		110	11	4.3	mg/kg	EPA 351.2 M
Phosphorus, Total		10400	2700	420	mg/kg	EPA 365.3M
Sulfate		205	110	33	mg/kg	EPA 300/SW846 9056A
pH		7.53			su	SW846 9045D
FA1416-4	**A-40 (4-5)**					
Aluminum [b]		5000	83	8.3	mg/kg	SW846 6010C
Arsenic [b]		1.1 J	4.2	0.67	mg/kg	SW846 6010C
Barium [b]		43.6 J	83	2.1	mg/kg	SW846 6010C
Cadmium [b]		1.8	1.7	0.21	mg/kg	SW846 6010C
Calcium [b]		4980	2100	21	mg/kg	SW846 6010C
Chromium [b]		42.5	4.2	0.75	mg/kg	SW846 6010C
Iron [b]		5680	120	29	mg/kg	SW846 6010C
Lead [b]		1.7 J	8.3	0.46	mg/kg	SW846 6010C
Magnesium [b]		692 J	2100	32	mg/kg	SW846 6010C
Manganese [b]		38.6	6.2	0.37	mg/kg	SW846 6010C
Nickel [b]		2.6 J	17	0.21	mg/kg	SW846 6010C
Potassium [b]		1050 J	4200	83	mg/kg	SW846 6010C
Sodium [b]		869 J	4200	210	mg/kg	SW846 6010C
Vanadium [b]		26.0	21	0.21	mg/kg	SW846 6010C
Fluoride		1900	59	15	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		85.4	1.3	0.29	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		99.5	11	4.5	mg/kg	EPA 351.2 M
Phosphorus, Total		4260	1200	190	mg/kg	EPA 365.3M
Sulfate		683	120	35	mg/kg	EPA 300/SW846 9056A
pH		4.26			su	SW846 9045D
FA1416-5	**A-40 (5-6)**					
Aluminum [b]		7080	74	7.4	mg/kg	SW846 6010C
Antimony [b]		1.2 J	7.4	0.71	mg/kg	SW846 6010C
Arsenic [b]		7.5	3.7	0.59	mg/kg	SW846 6010C
Barium [b]		39.0 J	74	1.9	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1416
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/01/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Beryllium [b]		0.70 J	1.9	0.19	mg/kg	SW846 6010C
Cadmium [b]		25.6	1.5	0.19	mg/kg	SW846 6010C
Calcium [b]		92100	1900	19	mg/kg	SW846 6010C
Chromium [b]		94.6	3.7	0.67	mg/kg	SW846 6010C
Iron [b]		4750	110	26	mg/kg	SW846 6010C
Lead [b]		6.0 J	7.4	0.41	mg/kg	SW846 6010C
Magnesium [b]		42300	1900	28	mg/kg	SW846 6010C
Manganese [b]		63.3	5.6	0.33	mg/kg	SW846 6010C
Nickel [b]		26.6	15	0.19	mg/kg	SW846 6010C
Potassium [b]		2140 J	3700	74	mg/kg	SW846 6010C
Selenium [b]		1.4 J	7.4	1.1	mg/kg	SW846 6010C
Sodium [b]		682 J	3700	190	mg/kg	SW846 6010C
Vanadium [b]		147	19	0.19	mg/kg	SW846 6010C
Fluoride		536	11	2.7	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		213	6.4	1.4	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		454	55	22	mg/kg	EPA 351.2 M
Phosphorus, Total		3230	1200	190	mg/kg	EPA 365.3M
Sulfate		284	110	33	mg/kg	EPA 300/SW846 9056A
pH		5.84			su	SW846 9045D
FA1416-6	**A-40 (9-10)**					
Aluminum [b]		10100	59	5.9	mg/kg	SW846 6010C
Arsenic [b]		10.5	2.9	0.47	mg/kg	SW846 6010C
Barium [b]		98.5	59	1.5	mg/kg	SW846 6010C
Beryllium [b]		0.51 J	1.5	0.15	mg/kg	SW846 6010C
Calcium [b]		78500	1500	15	mg/kg	SW846 6010C
Chromium [b]		15.2	2.9	0.53	mg/kg	SW846 6010C
Iron [b]		20000	88	21	mg/kg	SW846 6010C
Lead [b]		4.8 J	5.9	0.32	mg/kg	SW846 6010C
Magnesium [b]		7150	1500	22	mg/kg	SW846 6010C
Manganese [b]		864	4.4	0.27	mg/kg	SW846 6010C
Nickel [b]		173	12	0.15	mg/kg	SW846 6010C
Potassium [b]		1820 J	2900	59	mg/kg	SW846 6010C
Sodium [b]		374 J	2900	150	mg/kg	SW846 6010C
Vanadium [b]		19.9	15	0.15	mg/kg	SW846 6010C
Nitrogen, Ammonia		146	2.9	0.63	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		882	66	26	mg/kg	EPA 351.2 M
Phosphorus, Total		43600	12000	1900	mg/kg	EPA 365.3M
Sulfate		443	130	38	mg/kg	EPA 300/SW846 9056A
pH		6.24			su	SW846 9045D
FA1416-7	**A-2/1/13**					
Aluminum [b]		8780	58	5.8	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1416
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/01/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Arsenic [b]	7.1	2.9	0.46	mg/kg	SW846 6010C
Barium [b]	90.1	58	1.4	mg/kg	SW846 6010C
Beryllium [b]	0.46 J	1.4	0.14	mg/kg	SW846 6010C
Calcium [b]	107000	1400	14	mg/kg	SW846 6010C
Chromium [b]	15.1	2.9	0.52	mg/kg	SW846 6010C
Iron [b]	18000	86	20	mg/kg	SW846 6010C
Lead [b]	4.8 J	5.8	0.32	mg/kg	SW846 6010C
Magnesium [b]	8530	1400	22	mg/kg	SW846 6010C
Manganese [b]	931	4.3	0.26	mg/kg	SW846 6010C
Nickel [b]	105	12	0.14	mg/kg	SW846 6010C
Potassium [b]	1610 J	2900	58	mg/kg	SW846 6010C
Sodium [b]	320 J	2900	140	mg/kg	SW846 6010C
Vanadium [b]	19.5	14	0.14	mg/kg	SW846 6010C
Nitrogen, Ammonia	141	3.0	0.65	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	350	12	4.9	mg/kg	EPA 351.2 M
Phosphorus, Total	95000	31000	4600	mg/kg	EPA 365.3M
Sulfate	433	120	37	mg/kg	EPA 300/SW846 9056A
pH	6.06			su	SW846 9045D
FA1416-8 A-40 (7-8)					
Aluminum [b]	9430	44	4.4	mg/kg	SW846 6010C
Arsenic [b]	13.4	2.2	0.35	mg/kg	SW846 6010C
Barium [b]	83.9	44	1.1	mg/kg	SW846 6010C
Beryllium [b]	0.58 J	1.1	0.11	mg/kg	SW846 6010C
Cadmium [b]	8.6	0.88	0.11	mg/kg	SW846 6010C
Calcium [b]	88900	1100	11	mg/kg	SW846 6010C
Chromium [b]	16.7	2.2	0.39	mg/kg	SW846 6010C
Iron [b]	10900	66	15	mg/kg	SW846 6010C
Lead [b]	7.3	4.4	0.24	mg/kg	SW846 6010C
Magnesium [b]	14600	1100	17	mg/kg	SW846 6010C
Manganese [b]	519	3.3	0.20	mg/kg	SW846 6010C
Nickel [b]	140	8.8	0.11	mg/kg	SW846 6010C
Potassium [b]	1720 J	2200	44	mg/kg	SW846 6010C
Sodium [b]	315 J	2200	110	mg/kg	SW846 6010C
Vanadium [b]	26.2	11	0.11	mg/kg	SW846 6010C
Fluoride	36.8	6.1	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	139	2.8	0.62	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	628	64	26	mg/kg	EPA 351.2 M
Phosphorus, Total	70400	15000	2300	mg/kg	EPA 365.3M
Sulfate	571	120	36	mg/kg	EPA 300/SW846 9056A
pH	5.77			su	SW846 9045D

Summary of Hits

Job Number: FA1416
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/01/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1416-9	**A-40 (14-15)**					
Aluminum [b]		28800	110	11	mg/kg	SW846 6010C
Arsenic [b]		6.3	5.5	0.88	mg/kg	SW846 6010C
Barium [b]		120	110	2.8	mg/kg	SW846 6010C
Beryllium [b]		1.9 J	2.8	0.28	mg/kg	SW846 6010C
Cadmium [b]		75.4	2.2	0.28	mg/kg	SW846 6010C
Calcium [b]		19900	2800	28	mg/kg	SW846 6010C
Chromium [b]		41.2	5.5	0.99	mg/kg	SW846 6010C
Iron [b]		21100	170	39	mg/kg	SW846 6010C
Lead [b]		8.5 J	11	0.61	mg/kg	SW846 6010C
Magnesium [b]		4710	2800	42	mg/kg	SW846 6010C
Manganese [b]		327	8.3	0.50	mg/kg	SW846 6010C
Nickel [b]		40.6	22	0.28	mg/kg	SW846 6010C
Potassium [b]		4830 J	5500	110	mg/kg	SW846 6010C
Sodium [b]		941 J	5500	280	mg/kg	SW846 6010C
Vanadium [b]		146	28	0.28	mg/kg	SW846 6010C
Fluoride		55.0	6.1	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		305	7.3	1.6	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		667	60	24	mg/kg	EPA 351.2 M
Phosphorus, Total		42300	14000	2100	mg/kg	EPA 365.3M
Sulfate		411	120	36	mg/kg	EPA 300/SW846 9056A
pH		5.55			su	SW846 9045D

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: EB-SOIL-2/1/13
Lab Sample ID: FA1416-1 **Date Sampled:** 02/01/13
Matrix: AQ - Equipment Blank **Date Received:** 02/02/13
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	15 U	200	15	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Barium	1.0 U	200	1.0	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	201 J	1000	50	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	105 J	300	29	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	9.6	5.0	1.1	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	2.7 J	15	0.70	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	1.3 U	10	1.3	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.0 U	50	1.0	ug/l	1	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10515
(2) Prep QC Batch: MP24565

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:	EB-SOIL-2/1/13		
Lab Sample ID:	FA1416-1	**Date Sampled:**	02/01/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/02/13
		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
Fluoride	0.26	0.20	0.060	mg/l	1	02/02/13 16:11	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	0.030 U	0.10	0.030	mg/l	1	02/05/13 11:53	TC	EPA 350.1
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	02/02/13 16:11	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	0.45 J	0.53	0.17	mg/l	1	02/07/13 10:52	MG	EPA 351.2
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/05/13 08:20	LE	EPA 365.3
Sulfate	7.0	2.0	0.60	mg/l	1	02/02/13 16:11	AA	EPA 300/SW846 9056A
pH [a]	6.40			su	1	02/14/13 11:45	AC	SM 4500H B/SW 9040C

(a) 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-40 (0-1)		
Lab Sample ID:	FA1416-2	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/02/13
		Percent Solids:	87.5
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	6000	99	9.9	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.94 U	9.9	0.94	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.8 J	5.0	0.80	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	61.6 J	99	2.5	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.38 J	2.5	0.25	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	13.3	2.0	0.25	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	87200	2500	25	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	49.0	5.0	0.89	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	13300	150	35	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	2.7 J	9.9	0.55	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	42000	2500	38	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	193	7.5	0.45	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	28.9	20	0.25	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1320 J	5000	99	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.5 U	9.9	1.5	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	606 J	5000	250	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.89 U	5.0	0.89	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	48.5	25	0.25	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10513
(2) Prep QC Batch: MP24558

(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-40 (0-1)		
Lab Sample ID:	FA1416-2	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/02/13
		Percent Solids:	87.5
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	87.9	5.7	1.4	mg/kg	5	02/11/13 18:29	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	7.9	1.4	0.30	mg/kg	1	02/13/13 14:54	VK	EPA 350.1 M
Nitrogen, Nitrate	9.4	5.7	2.9	mg/kg	5	02/11/13 18:29	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	189	11	4.5	mg/kg	1	02/07/13 11:29	MG	EPA 351.2 M
Phosphorus, Total	7900	2900	440	mg/kg	50	02/11/13 11:10	LE	EPA 365.3M
Solids, Percent	87.5			%	1	02/04/13	LE	SM19 2540G
Sulfate	725	110	34	mg/kg	5	02/11/13 18:29	AA	EPA 300/SW846 9056A
pH	7.48			su	1	02/12/13 10:35	AC	SW846 9045D

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-40 (1-2)
Lab Sample ID: FA1416-3 **Date Sampled:** 02/01/13
Matrix: SO - Soil **Date Received:** 02/02/13
Percent Solids: 92.1
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	3660	73	7.3	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.70 U	7.3	0.70	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	2.2 J	3.7	0.59	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	17.0 J	73	1.8	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.40 J	1.8	0.18	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	5.6	1.5	0.18	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	32800	1800	18	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	17.8	3.7	0.66	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	5210	110	26	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	0.47 J	7.3	0.40	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	16500	1800	28	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	105	5.5	0.33	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	14.5 J	15	0.18	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	548 J	3700	73	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.1 U	7.3	1.1	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	530 J	3700	180	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.66 U	3.7	0.66	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	21.9	18	0.18	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10513
(2) Prep QC Batch: MP24558

(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-40 (1-2)		
Lab Sample ID:	FA1416-3	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/02/13
		Percent Solids:	92.1
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	34.5	5.4	1.4	mg/kg	5	02/11/13 19:33	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	1.7	1.3	0.28	mg/kg	1	02/13/13 15:08	VK	EPA 350.1 M
Nitrogen, Nitrate	11.0	5.4	2.7	mg/kg	5	02/11/13 19:33	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	110	11	4.3	mg/kg	1	02/07/13 11:31	MG	EPA 351.2 M
Phosphorus, Total	10400	2700	420	mg/kg	50	02/11/13 11:10	LE	EPA 365.3M
Solids, Percent	92.1			%	1	02/05/13	NO	SM19 2540G
Sulfate	205	110	33	mg/kg	5	02/11/13 19:33	AA	EPA 300/SW846 9056A
pH	7.53			su	1	02/12/13 10:35	AC	SW846 9045D

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-40 (4-5)		
Lab Sample ID:	FA1416-4	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/02/13
		Percent Solids:	85.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	5000	83	8.3	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.79 U	8.3	0.79	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	1.1 J	4.2	0.67	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	43.6 J	83	2.1	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.21 U	2.1	0.21	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	1.8	1.7	0.21	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	4980	2100	21	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	42.5	4.2	0.75	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	5680	120	29	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	1.7 J	8.3	0.46	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	692 J	2100	32	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	38.6	6.2	0.37	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	2.6 J	17	0.21	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1050 J	4200	83	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.2 U	8.3	1.2	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	869 J	4200	210	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.75 U	4.2	0.75	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	26.0	21	0.21	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10513
(2) Prep QC Batch: MP24558

(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-40 (4-5)		
Lab Sample ID:	FA1416-4	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/02/13
		Percent Solids:	85.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	1900	59	15	mg/kg	50	02/13/13 19:51	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	85.4	1.3	0.29	mg/kg	1	02/13/13 15:09	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	2.9 U	5.9	2.9	mg/kg	5	02/11/13 19:49	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	99.5	11	4.5	mg/kg	1	02/07/13 11:32	MG	EPA 351.2 M
Phosphorus, Total	4260	1200	190	mg/kg	25	02/11/13 11:10	LE	EPA 365.3M
Solids, Percent	85.2			%	1	02/05/13	NO	SM19 2540G
Sulfate	683	120	35	mg/kg	5	02/11/13 19:49	AA	EPA 300/SW846 9056A
pH	4.26			su	1	02/12/13 10:35	AC	SW846 9045D

(a) Dilution required 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-40 (5-6)
Lab Sample ID: FA1416-5
Matrix: SO - Soil
Date Sampled: 02/01/13
Date Received: 02/02/13
Percent Solids: 91.6
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	7080	74	7.4	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	1.2 J	7.4	0.71	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	7.5	3.7	0.59	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	39.0 J	74	1.9	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.70 J	1.9	0.19	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	25.6	1.5	0.19	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	92100	1900	19	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	94.6	3.7	0.67	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	4750	110	26	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	6.0 J	7.4	0.41	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	42300	1900	28	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	63.3	5.6	0.33	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	26.6	15	0.19	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	2140 J	3700	74	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.4 J	7.4	1.1	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	682 J	3700	190	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	6.7 U	15	6.7	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	147	19	0.19	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10513
(2) Prep QC Batch: MP24558

(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-40 (5-6)		
Lab Sample ID:	FA1416-5	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/02/13
		Percent Solids:	91.6
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	536	11	2.7	mg/kg	10	02/12/13 17:19	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	213	6.4	1.4	mg/kg	5	02/13/13 15:19	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	2.7 U	5.5	2.7	mg/kg	5	02/11/13 20:04	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	454	55	22	mg/kg	5	02/07/13 11:55	MG	EPA 351.2 M
Phosphorus, Total	3230	1200	190	mg/kg	25	02/11/13 11:10	LE	EPA 365.3M
Solids, Percent	91.6			%	1	02/05/13	NO	SM19 2540G
Sulfate	284	110	33	mg/kg	5	02/11/13 20:04	AA	EPA 300/SW846 9056A
pH	5.84			su	1	02/12/13 10:35	AC	SW846 9045D

(a) Dilution required 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-40 (9-10)
Lab Sample ID: FA1416-6
Matrix: SO - Soil
Date Sampled: 02/01/13
Date Received: 02/02/13
Percent Solids: 80.0
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	10100	59	5.9	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.56 U	5.9	0.56	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	10.5	2.9	0.47	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	98.5	59	1.5	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.51 J	1.5	0.15	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	0.15 U	1.2	0.15	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	78500	1500	15	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	15.2	2.9	0.53	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	20000	88	21	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	4.8 J	5.9	0.32	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	7150	1500	22	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	864	4.4	0.27	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	173	12	0.15	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1820 J	2900	59	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.88 U	5.9	0.88	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	374 J	2900	150	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.53 U	2.9	0.53	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	19.9	15	0.15	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10513
(2) Prep QC Batch: MP24558

(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-40 (9-10)		
Lab Sample ID:	FA1416-6	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/02/13
		Percent Solids:	80.0
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride [a]	1.6 U	6.3	1.6	mg/kg	5	02/11/13 20:20	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	146	2.9	0.63	mg/kg	2	02/13/13 15:20	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.1 U	6.3	3.1	mg/kg	5	02/11/13 20:20	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	882	66	26	mg/kg	5	02/07/13 11:56	MG	EPA 351.2 M
Phosphorus, Total	43600	12000	1900	mg/kg	250	02/11/13 11:10	LE	EPA 365.3M
Solids, Percent	80			%	1	02/05/13	NO	SM19 2540G
Sulfate	443	130	38	mg/kg	5	02/11/13 20:20	AA	EPA 300/SW846 9056A
pH	6.24			su	1	02/12/13 10:35	AC	SW846 9045D

(a) Dilution required 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-2/1/13
Lab Sample ID: FA1416-7
Matrix: SO - Soil
Date Sampled: 02/01/13
Date Received: 02/02/13
Percent Solids: 81.2
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	8780	58	5.8	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.55 U	5.8	0.55	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	7.1	2.9	0.46	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	90.1	58	1.4	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.46 J	1.4	0.14	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	0.14 U	1.2	0.14	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	107000	1400	14	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	15.1	2.9	0.52	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	18000	86	20	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	4.8 J	5.8	0.32	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	8530	1400	22	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	931	4.3	0.26	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	105	12	0.14	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1610 J	2900	58	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.86 U	5.8	0.86	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	320 J	2900	140	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.52 U	2.9	0.52	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	19.5	14	0.14	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10513
(2) Prep QC Batch: MP24558

(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-2/1/13		
Lab Sample ID:	FA1416-7	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/02/13
		Percent Solids:	81.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride [a]	1.5 U	6.1	1.5	mg/kg	5	02/11/13 20:36	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	141	3.0	0.65	mg/kg	2	02/13/13 15:21	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.1 U	6.1	3.1	mg/kg	5	02/11/13 20:36	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	350	12	4.9	mg/kg	1	02/07/13 11:37	MG	EPA 351.2 M
Phosphorus, Total	95000	31000	4600	mg/kg	500	02/11/13 11:10	LE	EPA 365.3M
Solids, Percent	81.2			%	1	02/05/13	NO	SM19 2540G
Sulfate	433	120	37	mg/kg	5	02/11/13 20:36	AA	EPA 300/SW846 9056A
pH	6.06			su	1	02/12/13 10:35	AC	SW846 9045D

(a) Dilution required 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-40 (7-8)
Lab Sample ID: FA1416-8
Matrix: SO - Soil
Date Sampled: 02/01/13
Date Received: 02/02/13
Percent Solids: 82.2
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	9430	44	4.4	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.42 U	4.4	0.42	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	13.4	2.2	0.35	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	83.9	44	1.1	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.58 J	1.1	0.11	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	8.6	0.88	0.11	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	88900	1100	11	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	16.7	2.2	0.39	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	10900	66	15	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	7.3	4.4	0.24	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	14600	1100	17	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	519	3.3	0.20	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	140	8.8	0.11	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1720 J	2200	44	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.66 U	4.4	0.66	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	315 J	2200	110	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.39 U	2.2	0.39	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	26.2	11	0.11	mg/kg	5	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10513
(2) Prep QC Batch: MP24558

(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-40 (7-8)		
Lab Sample ID:	FA1416-8	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/02/13
		Percent Solids:	82.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	36.8	6.1	1.5	mg/kg	5	02/11/13 20:52	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	139	2.8	0.62	mg/kg	2	02/13/13 15:22	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.0 U	6.1	3.0	mg/kg	5	02/11/13 20:52	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	628	64	26	mg/kg	5	02/07/13 11:57	MG	EPA 351.2 M
Phosphorus, Total	70400	15000	2300	mg/kg	250	02/11/13 11:10	LE	EPA 365.3M
Solids, Percent	82.2			%	1	02/05/13	NO	SM19 2540G
Sulfate	571	120	36	mg/kg	5	02/11/13 20:52	AA	EPA 300/SW846 9056A
pH	5.77			su	1	02/12/13 10:35	AC	SW846 9045D

(a) Dilution required 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-40 (14-15)
Lab Sample ID: FA1416-9 **Date Sampled:** 02/01/13
Matrix: SO - Soil **Date Received:** 02/02/13
Percent Solids: 82.3
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	28800	110	11	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	1.0 U	11	1.0	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	6.3	5.5	0.88	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	120	110	2.8	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	1.9 J	2.8	0.28	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	75.4	2.2	0.28	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	19900	2800	28	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	41.2	5.5	0.99	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	21100	170	39	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	8.5 J	11	0.61	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	4710	2800	42	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	327	8.3	0.50	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	40.6	22	0.28	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	4830 J	5500	110	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.7 U	11	1.7	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	941 J	5500	280	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.99 U	5.5	0.99	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	146	28	0.28	mg/kg	10	02/04/13	02/05/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10513
(2) Prep QC Batch: MP24558

(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-40 (14-15)		
Lab Sample ID:	FA1416-9	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/02/13
		Percent Solids:	82.3
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	55.0	6.1	1.5	mg/kg	5	02/11/13 21:08	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	305	7.3	1.6	mg/kg	5	02/13/13 15:23	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.0 U	6.1	3.0	mg/kg	5	02/11/13 21:08	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	667	60	24	mg/kg	5	02/07/13 11:58	MG	EPA 351.2 M
Phosphorus, Total	42300	14000	2100	mg/kg	250	02/11/13 11:10	LE	EPA 365.3M
Solids, Percent	82.3			%	1	02/05/13	NO	SM19 2540G
Sulfate	411	120	36	mg/kg	5	02/11/13 21:08	AA	EPA 300/SW846 9056A
pH	5.55			su	1	02/18/13 13:00	LE	SW846 9045D

(a) Dilution required due to matrix interference.

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

CHAIN OF CUSTODY RECORD

FA1416

Page 1 of 1

Nº 02980

Project Number: 36785-01

Site and Location: Agrium Soda Springs ID

Contact Name: Tim.Huff@wspgroup.com

Contact Email:

Sampler's Name: Isaac Pelz

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	Total Metals	Metals	F, pH, Total P	TKN, Ammonia	SO_4, NO_3				Remarks
1	EB-Soil-2/1/13		2/1/13	840	Ag	4	X		X	X	X				
2	A-40 (0-1)	0-1		932	S	1		X	X	X	X				
3	A-40 (1-2)	1-2		934	S	1		X	X	X	X				
4	A-40 (4-5)	4-5		936	S	1		X	X	X	X				
5	A-40 (5-6)	5-6		955	S	1		X	X	X	X				
6	A-40 (9-10)	9-10		957	S	1		X	X	X	X				
7	A-2/1/13			1003	S	1		X	X	X	X				
8	A-40 (7-8)	7-8		1005	S	1		X	X	X	X				
9	A-40 (14-15)	14-15		1020	S	1		X	X	X	X				

Relinquished by (Signature): Date / Time: 1230 2/1/13

Received by (Signature): FO

Relinquished by (Signature): FO 02-02-13 Date / Time: 930

Received by (Signature): [signature]

Turn-Around Time: Standard

Tracking Number: 801357084086

Laboratory Name: Accutest

Laboratory Location: Orlando, Fl

Custody Seal Numbers: 01565, 01564

Method of Shipment: Fedex

WSP Environment & Energy

3-0

- ☐ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☒ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA1416: Chain of Custody

Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1416 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 02-02-13 930 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8013 5708 4086

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: 2.6
- [ ] CORRECTED TEMPS: 3.0

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 020213 REVIEWER SIGNATURE/DATE [signature] 02/02/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA1416: Chain of Custody
Page 2 of 3

Job Change Order: FA1416_2/6/2013

Requested Date:	2/6/2013	**Received Date:**	2/2/2013
Account Name:	WSP Environment & Energy	**Due Date:**	2/18/2013
Project Description:	Nu-West Conda Phosphate Operations, 3010	**Deliverable:**	REDT1
CSR:	AC	**TAT (Days):**	12

Sample #:
FA1416-all

Change: Please add nickel to the metals list.

Above Changes Tim Huff **Date:** 2/6/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

FA1416: Chain of Custody
Page 3 of 3

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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:03	MA10509-STD1	1		STDA
08:08	MA10509-STD2	1		STDB
08:11	MA10509-STD3	1		STDC
08:15	MA10509-STD4	1		STDD
08:21	MA10509-HSTD1	1		
08:30	MA10509-ICV1	1		
08:39	MA10509-ICB1	1		
08:43	MA10509-CRIA1	1		
08:52	MA10509-ICSA1	1		
09:00	MA10509-ICSAB1	1		
09:10	MA10509-CCV1	1		
09:17	MA10509-CCB1	1		
09:21	MP24557-MB1	1		
09:25	MP24557-B1	1		
09:29	FA1370-1	1		(sample used for QC only; not part of login FA1416)
09:33	MP24557-D1	1		
09:37	MP24557-SD1	5		
09:43	MP24557-PS1	1		
09:47	MP24557-S1	1		
09:51	MP24557-S2	1		
09:55	ZZZZZZ	1		
09:59	ZZZZZZ	5		
10:03	MA10509-CCV2	1		
10:08	MA10509-CCB2	1		
10:32	MA10509-CCV3	1		
10:39	MA10509-CCB3	1		
10:43	ZZZZZZ	5		
10:47	ZZZZZZ	5		
10:51	ZZZZZZ	5		
10:55	ZZZZZZ	5		
11:00	ZZZZZZ	5		
11:04	ZZZZZZ	5		
11:08	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:12	ZZZZZZ	5		
11:16	ZZZZZZ	5		
11:20	ZZZZZZ	5		
11:25	MA10509-CCV4	1		
11:29	MA10509-CCB4	1		
11:33	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:45	ZZZZZZ	1		
11:50	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:58	ZZZZZZ	1		
12:03	MP24558-MB1	1		
12:07	MP24558-B1	1		
---------->	Last reportable sample/prep for job FA1416			
12:15	MA10509-CCV5	1		
12:19	MA10509-CCB5	1		
12:45	ZZZZZZ	2		
12:50	ZZZZZZ	2		
13:07	MA10509-CCV6	1		
13:11	MA10509-CCB6	1		
13:20	MA10509-CCV7	1		
13:28	MA10509-CCB7	1		
13:52	MA10509-CCV8	1		
13:57	MA10509-CCB8	1		
14:16	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:24	ZZZZZZ	10		
14:28	ZZZZZZ	2		
14:32	ZZZZZZ	2		
14:36	MP24561-MB1	1		
14:41	MA10509-CCV9	1		
14:45	MA10509-CCB9	1		
14:49	MP24561-B1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:53	FA1374-10	1		(sample used for QC only; not part of login FA1416)
14:57	MP24561-D1	1		
15:01	MP24561-SD1	5		
15:05	MP24561-PS1	1		
15:09	MP24561-S1	1		
15:13	MP24561-S2	1		
15:17	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:30	MA10509-CCV10	1		
15:34	MA10509-CCB10	1		
15:47	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:20	MA10509-CCV11	1		
16:24	MA10509-CCB11	1		
16:28	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:53	MA10509-CRIA2	1		
16:57	MA10509-ICSA2	1		
17:01	MA10509-ICSAB2	1		
17:06	MA10509-CCV12	1		
17:10	MA10509-CCB12	1		

----------> Last reportable CCB for job FA1416
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:03	MA10509-STD1	6451	37564	5463	2817
08:08	MA10509-STD2	6380	36621	5429	2562
08:11	MA10509-STD3	6183	35756	5480	2293
08:15	MA10509-STD4	5911	34418	5396	2057
08:21	MA10509-HSTD1	5892	33938	5380	2034
08:30	MA10509-ICV1	6142	35232	5399	2235
08:39	MA10509-ICB1	6372 R	36578 R	5301 R	2698 R
08:43	MA10509-CRIA1	6453	36838	5487	2604
08:52	MA10509-ICSA1	5752	31434	5263	1989
09:00	MA10509-ICSAB1	5656	30982	5166	1906
09:10	MA10509-CCV1	6326	35371	5357	2241
09:17	MA10509-CCB1	6611	37658	5518	2747
09:21	MP24557-MB1	6544	37310	5530	2680
09:25	MP24557-B1	6368	35844	5509	2343
09:29	FA1370-1	6701	38165	5676	2645
09:33	MP24557-D1	6666	37625	5607	2620
09:37	MP24557-SD1	6867	38716	5691	2781
09:43	MP24557-PS1	6516	36967	5505	2485
09:47	MP24557-S1	6331	35419	5403	2292
09:51	MP24557-S2	6294	35115	5337	2270
09:55	ZZZZZZ	6704	37697	5610	2619
09:59	ZZZZZZ	9706 !	53635 !	8439 !	2209
10:03	MA10509-CCV2	6296	35317	5410	2193
10:08	MA10509-CCB2	6630	37217	5490	2723
10:32	MA10509-CCV3	6427	35679	5528	2220
10:39	MA10509-CCB3	6685	37215	5489	2725
10:43	ZZZZZZ	10410 !	57612 !	9068 !	2225
10:47	ZZZZZZ	7176	39310	6255	2234
10:51	ZZZZZZ	6672	36810	5921	2091
10:55	ZZZZZZ	7223	40436	6173	2369
11:00	ZZZZZZ	7875	43295	6722	2409
11:04	ZZZZZZ	8260 !	45205	7522 !	1980
11:08	ZZZZZZ	13876 !	76237 !	12105 !	2197

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:12	ZZZZZZ	6935	38409	5830	2450
11:16	ZZZZZZ	7508	40662	6271	2307
11:20	ZZZZZZ	7678	42522	6612	2256
11:25	MA10509-CCV4	6482	36061	5563	2255
11:29	MA10509-CCB4	6746	37857	5568	2762
11:33	ZZZZZZ	7882	43448	6790	2305
11:37	ZZZZZZ	7800	42794	6788	2222
11:41	ZZZZZZ	7778	42984	6711	2279
11:45	ZZZZZZ	7774	42252	6569	2246
11:50	ZZZZZZ	8253	45302	7162	2196
11:54	ZZZZZZ	8275	45751	7114	2277
11:58	ZZZZZZ	7966	43109	6756	2273
12:03	MP24558-MB1	6604	36954	5416	2686
12:07	MP24558-B1	6447	36208	5526	2365
12:15	MA10509-CCV5	6376	35316	5368	2217
12:19	MA10509-CCB5	6669	37703	5447	2745
12:45	ZZZZZZ	7454	41977	6332	2336
12:50	ZZZZZZ	7443	41546	6335	2393
13:07	MA10509-CCV6	6270	35757	5381	2220
13:11	MA10509-CCB6	6704	38436	5474	2797
13:20	MA10509-CCV7	6339	35464	5364	2243
13:28	MA10509-CCB7	6764	37890	5414	2822
13:52	MA10509-CCV8	6280	35425	5373	2233
13:57	MA10509-CCB8	6764	38730	5548	2829
14:16	ZZZZZZ	9204 !	53924 !	7951 !	2485
14:20	ZZZZZZ	8290 !	47366 !	6902 !	2546
14:24	ZZZZZZ	6291	35102	5366	2262
14:28	ZZZZZZ	8131	45601	6680	2536
14:32	ZZZZZZ	7975	44989	6652	2467
14:36	MP24561-MB1	6854	39752	5639	2874
14:41	MA10509-CCV9	6431	36089	5495	2301
14:45	MA10509-CCB9	6788	38140	5499	2823
14:49	MP24561-B1	6394	36327	5392	2398

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:53	FA1374-10	6633	38274	5600	2662
14:57	MP24561-D1	6462	37193	5385	2594
15:01	MP24561-SD1	6663	37889	5492	2756
15:05	MP24561-PS1	6560	36728	5470	2500
15:09	MP24561-S1	6404	36221	5419	2366
15:13	MP24561-S2	6390	36321	5492	2373
15:17	ZZZZZZ	6052	33708	5858	1799
15:22	ZZZZZZ	6314	35566	5513	2353
15:26	ZZZZZZ	6592	37500	5653	2561
15:30	MA10509-CCV10	6246	36014	5448	2262
15:34	MA10509-CCB10	6594	38295	5515	2804
15:47	ZZZZZZ	6665	38035	5840	2609
15:51	ZZZZZZ	6535	38547	5783	2631
15:56	ZZZZZZ	6646	38764	5842	2689
16:00	ZZZZZZ	6551	38112	5902	2511
16:04	ZZZZZZ	6810	39079	5840	2637
16:08	ZZZZZZ	6889	38929	5728	2695
16:12	ZZZZZZ	6863	39503	5879	2698
16:16	ZZZZZZ	6781	39487	5885	2738
16:20	MA10509-CCV11	6466	37435	5739	2339
16:24	MA10509-CCB11	6893	40248	5783	2906
16:28	ZZZZZZ	6827	39186	5796	2722
16:32	ZZZZZZ	6734	38000	5688	2573
16:37	ZZZZZZ	6748	38833	5740	2668
16:41	ZZZZZZ	6606	38563	5771	2627
16:45	ZZZZZZ	6607	37735	5763	2522
16:49	ZZZZZZ	6549	37178	5722	2516
16:53	MA10509-CRIA2	6809	38854	5672	2732
16:57	MA10509-ICSA2	5876	32308	5281	2017
17:01	MA10509-ICSAB2	5954	33388	5490	2033
17:06	MA10509-CCV12	6499	37073	5640	2349
17:10	MA10509-CCB12	6806	39323	5634	2870

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

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10509
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10509 Units: ug/l

Time:			08:39		09:17		10:08		10:39	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-11	<200	-0.40	<200	-5.4	<200	-12	<200
Antimony	6.0	1.3	-0.20	<20	-0.80	<20	-1.2	<6.0	-1.0	<6.0
Arsenic	10	1.6	0.10	<10	0.70	<10	0.20	<10	0.30	<10
Barium	200	1	-0.40	<200	0.0	<200	0.0	<200	0.20	<200
Beryllium	4.0	.5	-0.30	<5.0	0.10	<5.0	0.20	<4.0	0.30	<4.0
Cadmium	4.0	.5	-0.20	<4.0	0.10	<4.0	0.10	<5.0	0.20	<5.0
Calcium	1000	50	-5.5	<5000	7.1	<5000	14.8	<1000	9.5	<1000
Chromium	10	1.8	-0.20	<10	0.20	<10	-0.10	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-2.4	<300	7.3	<300	8.1	<300	8.6	<300
Lead	5.0	1.1	0.90	<20	0.20	<20	0.80	<5.0	1.0	<5.0
Magnesium	5000	74	11.4	<5000	10.5	<5000	12.0	<5000	-2.5	<5000
Manganese	15	.7	-0.20	<15	0.10	<15	0.10	<15	0.30	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	-0.20	<40	0.10	<40				
Potassium	10000	200	7.0	<10000	-38	<10000	16.0	<10000	26.7	<10000
Selenium	10	2	0.0	<20	0.90	<20	-1.0	<10	0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	10.5	<10000	22.5	<10000	46.7	<10000	25.6	<10000
Strontium	10	.5	anr							
Thallium	10	1.3	-0.90	<10	-0.50	<10	-0.90	<10	0.10	<10
Tin	50	.7	anr							
Titanium	10	.9	anr							
Vanadium	50	.5	-0.30	<50	0.30	<50	0.20	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10509 Units: ug/l

Time:			11:29		12:19		13:11		13:28	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.7	<200	-4.2	<200	-9.1	<200	3.8	<200
Antimony	6.0	1.3	-1.2	<6.0	-0.90	<6.0	-0.10	<6.0	0.40	<6.0
Arsenic	10	1.6	0.50	<10	0.50	<10	0.70	<10	0.10	<10
Barium	200	1	0.50	<200	0.40	<200	0.60	<200	0.50	<200
Beryllium	4.0	.5	0.40	<4.0	0.20	<4.0	0.20	<4.0	0.30	<4.0
Cadmium	4.0	.5	0.20	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	12.1	<1000	12.0	<1000	30.6	<1000	22.5	<1000
Chromium	10	1.8	0.20	<10	0.30	<10	0.10	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	12.4	<300	9.9	<300	8.8	<300	5.4	<300
Lead	5.0	1.1	0.20	<5.0	0.90	<5.0	0.40	<5.0	-0.10	<5.0
Magnesium	5000	74	12.5	<5000	-15	<5000	15.3	<5000	3.9	<5000
Manganese	15	.7	0.30	<15	0.20	<15	0.30	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5	0.40	<40	0.20	<40				
Potassium	10000	200	29.5	<10000	9.4	<10000	87.2	<10000	69.2	<10000
Selenium	10	2	0.30	<10	-0.60	<10	0.30	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	22.4	<10000	28.9	<10000	27.4	<10000	22.2	<10000
Strontium	10	.5								
Thallium	10	1.3	0.10	<10	0.10	<10	0.50	<10	0.10	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.30	<50	0.30	<50	0.20	<50
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10509 Units: ug/l

Time:			13:57		14:45		15:34		16:24	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.4	<200	-1.8	<200	-8.3	<200	0.60	<200
Antimony	6.0	1.3	0.70	<6.0	0.70	<6.0	0.80	<6.0	1.5	<6.0
Arsenic	10	1.6	0.80	<10	0.30	<10	1.0	<10	0.40	<10
Barium	200	1	0.50	<200	0.10	<200	0.20	<200	0.20	<200
Beryllium	4.0	.5	0.40	<4.0	0.20	<4.0	0.30	<4.0	0.40	<4.0
Cadmium	4.0	.5	0.20	<5.0	0.10	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	9.1	<1000	6.1	<1000	7.2	<1000	4.3	<1000
Chromium	10	1.8	0.20	<10	0.10	<10	0.20	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	10.6	<300	7.6	<300	12.4	<300	11.5	<300
Lead	5.0	1.1	0.0	<5.0	-0.30	<5.0	0.20	<5.0	-0.30	<5.0
Magnesium	5000	74	14.9	<5000	-1.5	<5000	11.2	<5000	19.6	<5000
Manganese	15	.7	0.30	<15	0.20	<15	0.20	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5							0.30	<40
Potassium	10000	200	81.5	<10000	30.9	<10000	88.7	<10000	-0.20	<10000
Selenium	10	2	0.50	<10	1.7	<10	0.50	<10	-0.70	<10
Silver	10	.5	anr							
Sodium	10000	500	28.6	<10000	3.0	<10000	213	<10000	225	<10000
Strontium	10	.5								
Thallium	10	1.3	0.20	<10	-0.10	<10	0.40	<10	-0.20	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	-0.10	<50	0.10	<50	0.20	<50
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10509 Units: ug/l

Time:			17:10	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	15	9.2	<200
Antimony	6.0	1.3	0.30	<6.0
Arsenic	10	1.6	0.20	<10
Barium	200	1	0.20	<200
Beryllium	4.0	.5	0.50	<4.0
Cadmium	4.0	.5	0.20	<5.0
Calcium	1000	50	11.9	<1000
Chromium	10	1.8	0.40	<10
Cobalt	50	.5		
Copper	25	1		
Iron	300	29	18.1	<300
Lead	5.0	1.1	-0.40	<5.0
Magnesium	5000	74	14.7	<5000
Manganese	15	.7	0.40	<15
Molybdenum	50	.6		
Nickel	40	.5	0.10	<40
Potassium	10000	200	-0.60	<10000
Selenium	10	2	1.0	<10
Silver	10	.5	anr	
Sodium	10000	500	70.1	<10000
Strontium	10	.5		
Thallium	10	1.3	-0.10	<10
Tin	50	.7		
Titanium	10	.9		
Vanadium	50	.5	0.30	<50
Zinc	20	3		

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10509 Units: ug/l

Time:		08:30			09:10			10:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41800	104.5	40000	41500	103.8	40000	42800	107.0
Antimony	2000	1980	99.0	2000	1920	96.0	2000	1910	95.5
Arsenic	2000	1960	98.0	2000	1940	97.0	2000	1940	97.0
Barium	2000	2120	106.0	2000	2050	102.5	2000	2100	105.0
Beryllium	2000	2030	101.5	2000	1940	97.0	2000	1950	97.5
Cadmium	2000	2040	102.0	2000	2040	102.0	2000	2080	104.0
Calcium	40000	43400	108.5	40000	41500	103.8	40000	42800	107.0
Chromium	2000	2070	103.5	2000	2090	104.5	2000	2140	107.0
Cobalt	anr								
Copper	anr								
Iron	40000	42000	105.0	40000	39000	97.5	40000	39000	97.5
Lead	2000	2000	100.0	2000	2080	104.0	2000	2170	108.5
Magnesium	40000	41800	104.5	40000	40000	100.0	40000	40300	100.8
Manganese	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Molybdenum	anr								
Nickel	2000	2020	101.0	2000	1930	96.5			
Potassium	40000	42200	105.5	40000	39700	99.3	40000	40300	100.8
Selenium	2000	2020	101.0	2000	1940	97.0	2000	1930	96.5
Silver	anr								
Sodium	40000	39400	98.5	40000	41700	104.3	40000	43100	107.8
Strontium	anr								
Thallium	2000	2050	102.5	2000	1930	96.5	2000	1930	96.5
Tin	anr								
Titanium	anr								
Vanadium	2000	2020	101.0	2000	1970	98.5	2000	1990	99.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10509 Units: ug/l

Time:		10:32			11:25			12:15	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	39900	99.8	40000	40600	101.5
Antimony	2000	2000	100.0	2000	1990	99.5	2000	2020	101.0
Arsenic	2000	2000	100.0	2000	1990	99.5	2000	2020	101.0
Barium	2000	2020	101.0	2000	1990	99.5	2000	2060	103.0
Beryllium	2000	2010	100.5	2000	1980	99.0	2000	1980	99.0
Cadmium	2000	2040	102.0	2000	2010	100.5	2000	2050	102.5
Calcium	40000	40500	101.3	40000	39800	99.5	40000	40400	101.0
Chromium	2000	2040	102.0	2000	2010	100.5	2000	2070	103.5
Cobalt									
Copper									
Iron	40000	40400	101.0	40000	39800	99.5	40000	40200	100.5
Lead	2000	1970	98.5	2000	1930	96.5	2000	1970	98.5
Magnesium	40000	40400	101.0	40000	39800	99.5	40000	40100	100.3
Manganese	2000	2050	102.5	2000	2020	101.0	2000	2070	103.5
Molybdenum									
Nickel				2000	2010	100.5	2000	2050	102.5
Potassium	40000	40000	100.0	40000	40100	100.3	40000	41200	103.0
Selenium	2000	2000	100.0	2000	2000	100.0	2000	2020	101.0
Silver	anr								
Sodium	40000	40600	101.5	40000	40300	100.8	40000	41500	103.8
Strontium									
Thallium	2000	1970	98.5	2000	1960	98.0	2000	1990	99.5
Tin									
Titanium									
Vanadium	2000	1970	98.5	2000	1950	97.5	2000	1990	99.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10509 Units: ug/l

Time:		13:07			13:20			13:52	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40300	100.8	40000	40200	100.5
Antimony	2000	2160	108.0	2000	2090	104.5	2000	2010	100.5
Arsenic	2000	2130	106.5	2000	2060	103.0	2000	2010	100.5
Barium	2000	2100	105.0	2000	2090	104.5	2000	2000	100.0
Beryllium	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Cadmium	2000	2120	106.0	2000	2050	102.5	2000	2020	101.0
Calcium	40000	40700	101.8	40000	39900	99.8	40000	40400	101.0
Chromium	2000	2080	104.0	2000	2050	102.5	2000	2000	100.0
Cobalt									
Copper									
Iron	40000	41200	103.0	40000	40900	102.3	40000	40400	101.0
Lead	2000	1990	99.5	2000	1930	96.5	2000	1930	96.5
Magnesium	40000	40400	101.0	40000	39700	99.3	40000	40300	100.8
Manganese	2000	2120	106.0	2000	2120	106.0	2000	2000	100.0
Molybdenum									
Nickel									
Potassium	40000	44100	110.0	40000	43200	108.0	40000	40200	100.5
Selenium	2000	2150	107.5	2000	2070	103.5	2000	2030	101.5
Silver	anr								
Sodium	40000	42200	105.5	40000	41400	103.5	40000	40300	100.8
Strontium									
Thallium	2000	2090	104.5	2000	2030	101.5	2000	1970	98.5
Tin									
Titanium									
Vanadium	2000	2030	101.5	2000	2000	100.0	2000	1940	97.0
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10509 Units: ug/l

Time:		14:41			15:30			16:20	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39000	97.5	40000	40100	100.3	40000	38900	97.3
Antimony	2000	1960	98.0	2000	2070	103.5	2000	2060	103.0
Arsenic	2000	1950	97.5	2000	2050	102.5	2000	2040	102.0
Barium	2000	1960	98.0	2000	2010	100.5	2000	1990	99.5
Beryllium	2000	1990	99.5	2000	2070	103.5	2000	2030	101.5
Cadmium	2000	1960	98.0	2000	2030	101.5	2000	1990	99.5
Calcium	40000	39000	97.5	40000	40100	100.3	40000	38900	97.3
Chromium	2000	1950	97.5	2000	1980	99.0	2000	1930	96.5
Cobalt									
Copper									
Iron	40000	40100	100.3	40000	41300	103.3	40000	40500	101.3
Lead	2000	1850	92.5	2000	1890	94.5	2000	1860	93.0
Magnesium	40000	39500	98.8	40000	40700	101.8	40000	39500	98.8
Manganese	2000	1980	99.0	2000	2010	100.5	2000	2000	100.0
Molybdenum									
Nickel							2000	2080	104.0
Potassium	40000	38800	97.0	40000	40300	100.8	40000	39500	98.8
Selenium	2000	1960	98.0	2000	2080	104.0	2000	2080	104.0
Silver	anr								
Sodium	40000	38800	97.0	40000	39000	97.5	40000	38100	95.3
Strontium									
Thallium	2000	1930	96.5	2000	2010	100.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	1900	95.0	2000	1950	97.5	2000	1910	95.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10509 Units: ug/l

Time:		17:06	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	40000	38800	97.0
Antimony	2000	2040	102.0
Arsenic	2000	2020	101.0
Barium	2000	1980	99.0
Beryllium	2000	2010	100.5
Cadmium	2000	1970	98.5
Calcium	40000	38800	97.0
Chromium	2000	1930	96.5
Cobalt			
Copper			
Iron	40000	40000	100.0
Lead	2000	1840	92.0
Magnesium	40000	39100	97.8
Manganese	2000	1980	99.0
Molybdenum			
Nickel	2000	2060	103.0
Potassium	40000	39100	97.8
Selenium	2000	2050	102.5
Silver	anr		
Sodium	40000	38400	96.0
Strontium			
Thallium	2000	1980	99.0
Tin			
Titanium			
Vanadium	2000	1910	95.5
Zinc			

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10509 Units: ug/l

Time:		08:21	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80900	101.1
Antimony	4000	4010	100.3
Arsenic	4000	4020	100.5
Barium	4000	4040	101.0
Beryllium	4000	3970	99.3
Cadmium	4000	4010	100.3
Calcium	80000	80600	100.8
Chromium	4000	4030	100.8
Cobalt	anr		
Copper	anr		
Iron	80000	79500	99.4
Lead	4000	4150	103.8
Magnesium	80000	79900	99.9
Manganese	4000	4020	100.5
Molybdenum	anr		
Nickel	4000	3970	99.3
Potassium	80000	80700	100.9
Selenium	4000	4010	100.3
Silver	anr		
Sodium	80000	80800	101.0
Strontium	anr		
Thallium	4000	4060	101.5
Tin	anr		
Titanium	anr		
Vanadium	4000	4060	101.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10509 Units: ug/l

Time:			08:43		16:53	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	204	102.0	196	98.0
Antimony	10	5.0	5.4	108.0	4.5	90.0
Arsenic	20	10	10.2	102.0	10.3	103.0
Barium	400	200	207	103.5	203	101.5
Beryllium	10	5.0	4.8	96.0	5.2	104.0
Cadmium	10	5.0	5.2	104.0	5.1	102.0
Calcium	2000	1000	1070	107.0	1030	103.0
Chromium	20	10	10.8	108.0	10.1	101.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	307	102.3	314	104.7
Lead	10	5.0	5.9	118.0	4.1	82.0
Magnesium	10000	5000	5230	104.6	5120	102.4
Manganese	30	15	15.9	106.0	16.0	106.7
Molybdenum	100	50	anr			
Nickel	80	40	41.6	104.0	42.4	106.0
Potassium	20000	10000	10100	101.0	9940	99.4
Selenium	20	10	8.8	88.0	10.1	101.0
Silver	20	10	anr			
Sodium	20000	10000	10700	107.0	10200	102.0
Strontium	20	10	anr			
Thallium	20	10	8.2	82.0	9.1	91.0
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	52.0	104.0	49.9	99.8
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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020413M1.ICP Date Analyzed: 02/04/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10509 Units: ug/l

Time:			08:52		09:00		16:57		17:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	509000	101.8	518000	103.6	501000	100.2	486000	97.2
Antimony		1000	0.0		969	96.9	-0.60		1010	101.0
Arsenic		1000	-0.10		996	99.6	-1.4		1010	101.0
Barium		500	-0.70		495	99.0	-0.40		465	93.0
Beryllium		500	-0.40		454	90.8	-0.10		454	90.8
Cadmium		1000	0.0		900	90.0	0.40		839	83.9
Calcium	500000	500000	484000	96.8	493000	98.6	472000	94.4	459000	91.8
Chromium		500	-0.30		473	94.6	-0.30		425	85.0
Cobalt		500	0.20		442	88.4	0.40		415	83.0
Copper		500	0.0		477	95.4	0.50		469	93.8
Iron	200000	200000	182000	91.0	185000	92.5	187000	93.5	180000	90.0
Lead		1000	0.10		929	92.9	-17* (a)		781	78.1*(a)
Magnesium	500000	500000	470000	94.0	470000	94.0	473000	94.6	462000	92.4
Manganese		500	-0.60		469	93.8	-0.30		444	88.8
Molybdenum		1000	0.90		922	92.2	1.1		975	97.5
Nickel		1000	0.0		839	83.9	0.10		854	85.4
Potassium			26.1		33.5		46.1		25.0	
Selenium		1000	0.0		968	96.8	0.30		988	98.8
Silver		1000	-0.40		925	92.5	-0.50		879	87.9
Sodium			147		190		476		512	
Strontium		1000	4.7		1050	105.0	5.5		1070	107.0
Thallium		1000	0.0		928	92.8	-2.5		931	93.1
Tin		1000	-1.0		924	92.4	-0.50		903	90.3
Titanium		1000	-2.2		1030	103.0	-2.8		1040	104.0
Vanadium		500	-0.40		474	94.8	-0.50		443	88.6
Zinc		1000	-2.6		912	91.2	-2.6		834	83.4

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10512
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:48	MA10512-STD1	1		STDA
09:52	MA10512-STD2	1		STDB
09:56	MA10512-STD3	1		STDC
09:59	MA10512-STD4	1		STDD
10:03	MA10512-HSTD1	1		
10:09	MA10512-ICV1	1		
10:17	MA10512-ICB1	1		
10:28	MA10512-CRIA1	1		
10:38	MA10512-ICSA1	1		
10:49	MA10512-ICSAB1	1		
10:58	MA10512-CCV1	1		
11:05	MA10512-CCB1	1		
11:12	MP24566-MB1	1		
11:17	MP24566-B1	1		
11:21	FA1374-4	1		(sample used for QC only; not part of login FA1416)
11:25	MP24566-D1	1		
11:30	MP24566-SD1	5		
11:34	MP24566-PS1	1		
11:38	MP24566-S1	1		
11:43	MP24566-S2	1		
11:47	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:56	MA10512-CCV2	1		
12:00	MA10512-CCB2	1		
12:28	MA10512-CCV3	1		
12:34	MA10512-CCB3	1		
12:38	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:56	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:06	MP24565-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10512
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:10	MP24565-B1	1		
---------->	Last reportable sample/prep for job FA1416				
	13:25	MA10512-CCV4	1		
	13:29	MA10512-CCB4	1		
	14:04	ZZZZZZ	1		
	14:09	ZZZZZZ	1		
	14:13	ZZZZZZ	1		
	14:18	ZZZZZZ	1		
	14:22	MA10512-CCV5	1		
	14:26	MA10512-CCB5	1		
	14:40	FA1136-2	5		(sample used for QC only; not part of login FA1416)
	14:45	MP24530-D1	5		
	14:49	MP24530-S1	5		
	14:53	MP24530-S2	5		
	14:58	MP24530-PS1	5		
	15:02	MP24530-SD1	25		
	15:07	FA1374-4	5		(sample used for QC only; not part of login FA1416)
	15:11	MP24566-D1	5		
	15:15	MA10512-CCV6	1		
	15:20	MA10512-CCB6	1		
	15:46	MA10512-CCV7	1		
	15:52	MA10512-CCB7	1		
	15:56	MA10512-CCB8	1		
	16:02	MP24566-S1	5		
	16:07	MP24566-S2	5		
	16:11	MP24566-PS1	5		
	16:16	MP24566-SD1	25		
	16:20	ZZZZZZ	1		
	16:25	ZZZZZZ	5		
	16:29	ZZZZZZ	10		
	16:34	ZZZZZZ	10		
	16:38	ZZZZZZ	5		
	16:43	ZZZZZZ	5		
	16:48	MA10512-CCV8	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10512
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:52	MA10512-CCB9	1		
16:56	ZZZZZZ	10		
17:01	ZZZZZZ	10		
17:10	MA10512-CRIA2	1		
17:15	MA10512-ICSA2	1		
17:20	MA10512-ICSAB2	1		
17:24	MA10512-CCV9	1		
17:28	MA10512-CCB10	1		

----------> Last reportable CCB for job FA1416
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10512
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:48	MA10512-STD1	1796	16497	6130	1047
09:52	MA10512-STD2	1760	16132	6097	972
09:56	MA10512-STD3	1688	15533	6030	875
09:59	MA10512-STD4	1629	15085	5914	811
10:03	MA10512-HSTD1	1634	14856	5857	817
10:09	MA10512-ICV1	1678	15202	5918	877
10:17	MA10512-ICB1	1777 R	16300 R	6075 R	1040 R
10:28	MA10512-CRIA1	1734	15957	5974	975
10:38	MA10512-ICSA1	1536	13445	5503	752
10:49	MA10512-ICSAB1	1533	13546	5562	745
10:58	MA10512-CCV1	1683	15234	5893	872
11:05	MA10512-CCB1	1751	15669	5883	1038
11:12	MP24566-MB1	1735	15667	5894	1035
11:17	MP24566-B1	1658	14856	5856	911
11:21	FA1374-4				885
11:25	MP24566-D1				880
11:30	MP24566-SD1				974
11:34	MP24566-PS1				877
11:38	MP24566-S1				832
11:43	MP24566-S2				836
11:47	ZZZZZZ	2081	18002	7080	944
11:52	ZZZZZZ	2872 !	25301 !	10120 !	939
11:56	MA10512-CCV2	1651	14567	5824	878
12:00	MA10512-CCB2	1724	15436	5900	1032
12:28	MA10512-CCV3	1622	14405	5816	867
12:34	MA10512-CCB3	1704	14710	5695	1037
12:38	ZZZZZZ	1604	13959	6123	655
12:43	ZZZZZZ	1600	14098	6170	654
12:47	ZZZZZZ	1781	15759	6860	661
12:52	ZZZZZZ	1772	15408	6697	685
12:56	ZZZZZZ	1649	14412	6344	644
13:01	ZZZZZZ	1537	13588	5945	636
13:06	MP24565-MB1	1698	15298	5963	1028

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10512
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:10	MP24565-B1	1622	14038	5671	900
13:25	MA10512-CCV4	1590	14022	5741	854
13:29	MA10512-CCB4	1691	14838	5798	1033
14:04	ZZZZZZ	1558	13833	5743	914
14:09	ZZZZZZ	1608	14048	5713	963
14:13	ZZZZZZ	1628	14095	5665	987
14:18	ZZZZZZ	1600	13986	5677	950
14:22	MA10512-CCV5	1583	13809	5623	862
14:26	MA10512-CCB5	1667	14348	5634	1034
14:40	FA1136-2	1870	16923	6883	934
14:45	MP24530-D1	1861	16421	6672	956
14:49	MP24530-S1	1851	15966	6550	928
14:53	MP24530-S2	1881	16377	6755	925
14:58	MP24530-PS1	1906	16809	6898	940
15:02	MP24530-SD1	1703	15194	6086	1004
15:07	FA1374-4	2004	17352	7068	965
15:11	MP24566-D1	2040	17646	7226	958
15:15	MA10512-CCV6	1545	13569	5654	862
15:20	MA10512-CCB6	1627	14506	5797	1017
15:46	MA10512-CCV7	1574	14004	5740	863
15:52	MA10512-CCB7	1656	14337	5642	1039
15:56	MA10512-CCB8	1645	14180	5587	1040
16:02	MP24566-S1	2091	18271	7512	922
16:07	MP24566-S2	2012	17796	7257	929
16:11	MP24566-PS1	2024	17586	7093	958
16:16	MP24566-SD1	1736	14921	5890	1023
16:20	ZZZZZZ	1958	16848	6824	925
16:25	ZZZZZZ	1892	16698	6664	972
16:29	ZZZZZZ	1579	13938	5730	874
16:34	ZZZZZZ	1575	13650	5611	876
16:38	ZZZZZZ	1587	13528	5643	814
16:43	ZZZZZZ	1596	13708	5755	835
16:48	MA10512-CCV8	1560	13748	5644	863

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10512
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:52	MA10512-CCB9	1654	14689	5744	1026
16:56	ZZZZZZ	1590	13762	5612	885
17:01	ZZZZZZ	1555	13157	5441	878
17:10	MA10512-CRIA2	1628	14070	5665	987
17:15	MA10512-ICSA2	1458	12306	5291	751
17:20	MA10512-ICSAB2	1441	12015	5185	745
17:24	MA10512-CCV9	1567	13367	5498	873
17:28	MA10512-CCB10	1662	14384	5649	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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10512 Units: ug/l

Time:			10:17		11:05		12:00		12:34	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.6	<200	2.3	<200	9.4	<200	2.6	<200
Antimony	6.0	1.3	1.0	<6.0	0.60	<6.0	1.0	<6.0	0.70	<6.0
Arsenic	10	1.6	0.60	<10	-0.10	<10	0.60	<10	0.0	<10
Barium	200	1	-0.10	<200	0.10	<200	0.20	<200	0.30	<200
Beryllium	4.0	.5	-0.10	<4.0	0.10	<4.0	0.10	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.20	<5.0
Calcium	1000	50	-0.30	<1000	8.3	<1000	8.3	<1000	-98	<1000
Chromium	10	1.8	0.20	<10	0.20	<10	0.30	<10	0.80	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-3.8	<300	3.2	<300	5.5	<300	8.2	<300
Lead	5.0	1.1	0.0	<5.0	-0.30	<5.0	0.10	<5.0	0.10	<5.0
Magnesium	5000	74	-5.0	<5000	-14	<5000	-16	<5000	-1.1	<5000
Manganese	15	.7	0.10	<15	0.20	<15	0.40	<15	0.40	<15
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	1.2	<10000	-17	<10000	-0.50	<10000	-5.4	<10000
Selenium	10	2	-1.2	<10	-0.90	<10	-0.50	<10	1.5	<10
Silver	10	.5	anr							
Sodium	10000	500	-2.6	<10000	-5.3	<10000	-2.7	<10000	10.7	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.50	<10	-0.50	<10	0.10	<10	-0.70	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	-0.10	<50	0.10	<50	0.20	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10512 Units: ug/l

Time:			13:29		14:26		15:20		15:52	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	16.4	<200	5.5	<200	6.2	<200	-34	<200
Antimony	6.0	1.3	0.0	<6.0	-0.20	<6.0	-0.10	<6.0	-0.30	<6.0
Arsenic	10	1.6	0.50	<10	0.80	<10	-0.20	<10	0.50	<10
Barium	200	1	0.20	<200	0.30	<200	0.20	<200	0.20	<200
Beryllium	4.0	.5	0.30	<4.0	0.30	<4.0	0.20	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	-96	<1000	-98	<1000	-99	<1000	-1.6	<1000
Chromium	10	1.8	0.70	<10	0.70	<10	0.20	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	38.2	<300	16.7	<300	11.1	<300	10.8	<300
Lead	5.0	1.1	0.50	<5.0	-0.40	<5.0	-0.30	<5.0	0.60	<5.0
Magnesium	5000	74	7.6	<5000	-4.8	<5000	-8.5	<5000	7.4	<5000
Manganese	15	.7	0.90	<15	0.30	<15	0.20	<15	0.0	<15
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	123	<10000	105	<10000	64.1	<10000	17.7	<10000
Selenium	10	2	-1.6	<10	0.20	<10	-0.60	<10	0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	71.1	<10000	125	<10000	104	<10000	-21	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.10	<10	-1.1	<10	-1.0	<10	1.3	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	0.70	<50	0.40	<50	0.20	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10512 Units: ug/l

Time:			15:56		16:52		17:28	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	-32	<200	-37	<200	-32	<200
Antimony	6.0	1.3	-0.50	<6.0	0.50	<6.0	-0.20	<6.0
Arsenic	10	1.6	-0.60	<10	0.20	<10	-0.10	<10
Barium	200	1	0.10	<200	0.20	<200	0.20	<200
Beryllium	4.0	.5	0.10	<4.0	0.20	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	-0.50	<1000	-3.7	<1000	-3.7	<1000
Chromium	10	1.8	0.20	<10	0.40	<10	0.10	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	3.2	<300	10.7	<300	15.2	<300
Lead	5.0	1.1	1.1	<5.0	0.70	<5.0	0.60	<5.0
Magnesium	5000	74	21.8	<5000	0.60	<5000	26.6	<5000
Manganese	15	.7	0.0	<15	0.0	<15	0.10	<15
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	-6.1	<10000	-8.7	<10000	-13	<10000
Selenium	10	2	-1.1	<10	1.0	<10	-0.20	<10
Silver	10	.5	anr					
Sodium	10000	500	-33	<10000	-42	<10000	-52	<10000
Strontium	10	.5						
Thallium	10	1.3	0.30	<10	-0.10	<10	0.30	<10
Tin	50	.7	anr					
Titanium	10	.9						
Vanadium	50	.5	0.10	<50	0.0	<50	0.10	<50
Zinc	20	3	anr					

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10512 Units: ug/l

Time:		10:09			10:58			11:56	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	39900	99.8	40000	39400	98.5
Antimony	2000	2030	101.5	2000	1980	99.0	2000	2080	104.0
Arsenic	2000	1990	99.5	2000	1990	99.5	2000	2080	104.0
Barium	2000	2110	105.5	2000	2050	102.5	2000	2060	103.0
Beryllium	2000	2060	103.0	2000	2030	101.5	2000	2060	103.0
Cadmium	2000	2050	102.5	2000	2030	101.5	2000	2110	105.5
Calcium	40000	42600	106.5	40000	40300	100.8	40000	40800	102.0
Chromium	2000	2110	105.5	2000	2060	103.0	2000	2260	113.0*(a
Cobalt	anr								
Copper	anr								
Iron	40000	43000	107.5	40000	41300	103.3	40000	43000	107.5
Lead	2000	1980	99.0	2000	1990	99.5	2000	2020	101.0
Magnesium	40000	41500	103.8	40000	40200	100.5	40000	40500	101.3
Manganese	2000	2100	105.0	2000	2080	104.0	2000	2260	113.0*(b
Molybdenum									
Nickel	anr								
Potassium	40000	41700	104.3	40000	39600	99.0	40000	40000	100.0
Selenium	2000	2060	103.0	2000	1980	99.0	2000	2110	105.5
Silver	anr								
Sodium	40000	38100	95.3	40000	39500	98.8	40000	40100	100.3
Strontium									
Thallium	2000	2100	105.0	2000	2010	100.5	2000	2060	103.0
Tin	anr								
Titanium									
Vanadium	2000	2050	102.5	2000	1970	98.5	2000	2080	104.0
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Cr_ reported in the area bracketed by this QC.
(b) No samples for Mn_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10512 Units: ug/l

Time:		12:28			13:25			14:22	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40100	100.3	40000	39600	99.0
Antimony	2000	1990	99.5	2000	2020	101.0	2000	2020	101.0
Arsenic	2000	1980	99.0	2000	2020	101.0	2000	2020	101.0
Barium	2000	2040	102.0	2000	2050	102.5	2000	2070	103.5
Beryllium	2000	2020	101.0	2000	2020	101.0	2000	2010	100.5
Cadmium	2000	2020	101.0	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40400	101.0	40000	40300	100.8	40000	39800	99.5
Chromium	2000	2020	101.0	2000	2070	103.5	2000	2110	105.5
Cobalt	anr								
Copper	anr								
Iron	40000	40900	102.3	40000	41400	103.5	40000	41100	102.8
Lead	2000	2000	100.0	2000	2020	101.0	2000	1990	99.5
Magnesium	40000	40000	100.0	40000	39700	99.3	40000	39000	97.5
Manganese	2000	2020	101.0	2000	2060	103.0	2000	2090	104.5
Molybdenum									
Nickel	anr								
Potassium	40000	40100	100.3	40000	40600	101.5	40000	41100	102.8
Selenium	2000	1980	99.0	2000	2030	101.5	2000	2040	102.0
Silver	anr								
Sodium	40000	40100	100.3	40000	39900	99.8	40000	39900	99.8
Strontium									
Thallium	2000	2020	101.0	2000	2040	102.0	2000	2020	101.0
Tin	anr								
Titanium									
Vanadium	2000	1950	97.5	2000	1990	99.5	2000	2000	100.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10512 Units: ug/l

Time:		15:15			15:46			16:48	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38900	97.3	40000	39700	99.3	40000	39500	98.8
Antimony	2000	2070	103.5	2000	1960	98.0	2000	1980	99.0
Arsenic	2000	2060	103.0	2000	1960	98.0	2000	1980	99.0
Barium	2000	2080	104.0	2000	1970	98.5	2000	1980	99.0
Beryllium	2000	1980	99.0	2000	1990	99.5	2000	2000	100.0
Cadmium	2000	2060	103.0	2000	2000	100.0	2000	2020	101.0
Calcium	40000	38300	95.8	40000	39800	99.5	40000	39900	99.8
Chromium	2000	2130	106.5	2000	1920	96.0	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Iron	40000	40500	101.3	40000	39900	99.8	40000	40300	100.8
Lead	2000	1950	97.5	2000	2000	100.0	2000	2000	100.0
Magnesium	40000	37800	94.5	40000	39100	97.8	40000	39100	97.8
Manganese	2000	2120	106.0	2000	1910	95.5	2000	1970	98.5
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	39900	99.8	40000	40000	100.0
Selenium	2000	2110	105.5	2000	1960	98.0	2000	1980	99.0
Silver	anr								
Sodium	40000	40600	101.5	40000	40100	100.3	40000	40300	100.8
Strontium									
Thallium	2000	1990	99.5	2000	2010	100.5	2000	2010	100.5
Tin	anr								
Titanium									
Vanadium	2000	2010	100.5	2000	1890	94.5	2000	1920	96.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10512 Units: ug/l

Time:		17:24	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	39300	98.3
Antimony	2000	1970	98.5
Arsenic	2000	1980	99.0
Barium	2000	2010	100.5
Beryllium	2000	2010	100.5
Cadmium	2000	2030	101.5
Calcium	40000	40300	100.8
Chromium	2000	2060	103.0
Cobalt	anr		
Copper	anr		
Iron	40000	41100	102.8
Lead	2000	1990	99.5
Magnesium	40000	39800	99.5
Manganese	2000	2060	103.0
Molybdenum			
Nickel	anr		
Potassium	40000	39800	99.5
Selenium	2000	1970	98.5
Silver	anr		
Sodium	40000	40000	100.0
Strontium			
Thallium	2000	1990	99.5
Tin	anr		
Titanium			
Vanadium	2000	1970	98.5
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10512 Units: ug/l

Time:		10:03	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80400	100.5
Antimony	4000	4010	100.3
Arsenic	4000	4010	100.3
Barium	4000	3970	99.3
Beryllium	4000	3980	99.5
Cadmium	4000	3960	99.0
Calcium	80000	80500	100.6
Chromium	4000	4060	101.5
Cobalt	anr		
Copper	anr		
Iron	80000	79800	99.8
Lead	4000	4000	100.0
Magnesium	80000	81400	101.8
Manganese	4000	4060	101.5
Molybdenum			
Nickel	anr		
Potassium	80000	80000	100.0
Selenium	4000	3990	99.8
Silver	anr		
Sodium	80000	79900	99.9
Strontium			
Thallium	4000	3980	99.5
Tin	anr		
Titanium			
Vanadium	4000	4060	101.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10512 Units: ug/l

Time:			10:28		17:10	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	215	107.5	166	83.0
Antimony	10	5.0	5.6	112.0	5.1	102.0
Arsenic	20	10	10.3	103.0	10.1	101.0
Barium	400	200	215	107.5	208	104.0
Beryllium	10	5.0	5.3	106.0	5.2	104.0
Cadmium	10	5.0	5.5	110.0	5.4	108.0
Calcium	2000	1000	1070	107.0	1050	105.0
Chromium	20	10	11.0	110.0	11.3	113.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	319	106.3	324	108.0
Lead	10	5.0	5.2	104.0	5.5	110.0
Magnesium	10000	5000	5120	102.4	4990	99.8
Manganese	30	15	16.9	112.7	16.6	110.7
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10400	104.0	10200	102.0
Selenium	20	10	10.1	101.0	9.4	94.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10200	102.0
Strontium	20	10				
Thallium	20	10	9.9	99.0	9.5	95.0
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	53.7	107.4	53.4	106.8
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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10512 Units: ug/l

Time:			10:38		10:49		17:15		17:20	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	523000	104.6	517000	103.4	506000	101.2	506000	101.2
Antimony		1000	0.0		1030	103.0	-1.3		1000	100.0
Arsenic		1000	0.0		1030	103.0	0.90		1000	100.0
Barium		500	-0.10		494	98.8	-0.50		475	95.0
Beryllium		500	0.0		475	95.0	-0.10		466	93.2
Cadmium		1000	0.0		862	86.2	-1.9		840	84.0
Calcium	500000	500000	490000	98.0	488000	97.6	490000	98.0	496000	99.2
Chromium		500	0.30		454	90.8	-0.10		446	89.2
Cobalt		500	-0.50		425	85.0	-0.30		414	82.8
Copper		500	0.0		518	103.6	-1.2		501	100.2
Iron	200000	200000	190000	95.0	188000	94.0	185000	92.5	183000	91.5
Lead		1000	0.0		857	85.7	3.8		851	85.1
Magnesium	500000	500000	531000	106.2	522000	104.4	512000	102.4	520000	104.0
Manganese		500	0.10		473	94.6	-1.1		456	91.2
Molybdenum		1000	0.60		966	96.6	0.60		945	94.5
Nickel		1000	0.0		843	84.3	-0.40		824	82.4
Potassium			-16		-13		4.7		-5.0	
Selenium		1000	0.0		1010	101.0	-2.2		971	97.1
Silver		1000	-0.10		989	98.9	-0.20		965	96.5
Sodium			62.1		71.5		42.0		37.8	
Strontium		1000	4.3		1090	109.0	4.0		1060	106.0
Thallium		1000	0.0		925	92.5	1.3		915	91.5
Tin		1000	-0.90		906	90.6	0.0		888	88.8
Titanium		1000	-2.2		1050	105.0	-1.2		1020	102.0
Vanadium		500	0.0		469	93.8	0.80		457	91.4
Zinc		1000	0.40		868	86.8	-47* (a)		824	82.4

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible negative bias.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:41	MA10513-STD1	1		STDA
07:46	MA10513-STD2	1		STDB
07:49	MA10513-STD3	1		STDC
07:53	MA10513-STD4	1		STDD
07:57	MA10513-HSTD1	1		
08:04	MA10513-ICV1	1		
08:10	MA10513-ICB1	1		
08:14	MA10513-CRIA1	1		
08:22	MA10513-ICSA1	1		
08:28	MA10513-ICSAB1	1		
08:35	MA10513-CCV1	1		
08:41	MA10513-CCB1	1		
08:46	MP24562-MB1	1		
08:50	MP24562-B1	1		
08:54	FA1430-1	1		(sample used for QC only; not part of login FA1416)
08:58	MP24562-D1	1		
09:02	MP24562-SD1	5		
09:07	MP24562-PS1	1		
09:11	MP24562-S1	1		
09:15	MP24562-S2	1		
09:18	ZZZZZZ	1		
09:23	ZZZZZZ	1		
09:27	MA10513-CCV2	1		
09:31	MA10513-CCB2	1		
09:35	ZZZZZZ	1		
09:39	ZZZZZZ	1		
09:43	ZZZZZZ	1		
09:48	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	ZZZZZZ	1		
10:00	ZZZZZZ	1		
10:05	ZZZZZZ	1		
10:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:13	ZZZZZZ	1		
10:17	MA10513-CCV3	1		
10:21	MA10513-CCB3	1		
10:55	MA10513-CCV4	1		
11:06	MA10513-CCB4	1		
11:12	ZZZZZZ	1		
11:16	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:33	ZZZZZZ	1		
11:37	MP24563-MB1	1		
11:41	MP24563-B1	1		
11:45	FA1369-1	1		(sample used for QC only; not part of login FA1416)
11:50	MP24563-D1	1		
11:54	MA10513-CCV5	1		
11:58	MA10513-CCB5	1		
12:02	MP24563-SD1	5		
12:06	MP24563-PS1	1		
12:11	MP24563-S1	1		
12:14	MP24563-S2	1		
12:18	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	MA10513-CCV6	1		
12:48	MA10513-CCB6	1		
12:52	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:05	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:09	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:35	MA10513-CCV7	1		
13:39	MA10513-CCB7	1		
13:43	ZZZZZZ	1		
14:53	ZZZZZZ	10		
14:57	ZZZZZZ	10		
15:01	ZZZZZZ	10		
15:06	ZZZZZZ	10		
15:10	FA1416-2	10		
15:14	MP24558-D1	10		
15:18	MP24558-S1	10		
15:22	MP24558-S2	10		
15:26	MP24558-PS1	10		
15:30	MA10513-CCV8	1		
15:34	MA10513-CCB8	1		
15:38	MP24558-SD1	50		
15:43	FA1416-3	10		
15:47	FA1416-4	10		
15:51	FA1416-5	10		
15:55	FA1416-6	5		
15:59	FA1416-7	5		
16:04	FA1416-8	5		
16:08	FA1416-9	10		
---------->	Last reportable sample/prep for job FA1416			
16:12	ZZZZZZ	2		
16:17	ZZZZZZ	4		
16:21	MA10513-CCV9	1		
16:25	MA10513-CCB9	1		
16:29	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:34	MA10513-CRIA2	1		
16:38	MA10513-ICSA2	1		
16:42	MA10513-ICSAB2	1		
16:47	MA10513-CCV10	1		
16:50	MA10513-CCB10	1		

----------> Last reportable CCB for job FA1416
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:41	MA10513-STD1	4267	28863	4225	2086
07:46	MA10513-STD2	4258	28455	4209	1941
07:49	MA10513-STD3	4115	27507	4183	1745
07:53	MA10513-STD4	3904	26220	4136	1605
07:57	MA10513-HSTD1	3866	25957	4100	1600
08:04	MA10513-ICV1	3980	26631	4148	1743
08:10	MA10513-ICB1	4152 R	28080 R	4186 R	2075 R
08:14	MA10513-CRIA1	4116	27659	4185	1992
08:22	MA10513-ICSA1	3661	23764	4032	1508
08:28	MA10513-ICSAB1	3674	23916	4021	1476
08:35	MA10513-CCV1	4076	27062	4159	1716
08:41	MA10513-CCB1	4224	28463	4218	2052
08:46	MP24562-MB1	4226	28536	4263	2051
08:50	MP24562-B1	4093	27157	4223	1801
08:54	FA1430-1	4185	27989	4252	1973
08:58	MP24562-D1	4190	28140	4285	1966
09:02	MP24562-SD1	4218	28246	4258	2007
09:07	MP24562-PS1	4242	28214	4291	1914
09:11	MP24562-S1	4126	26550	4185	1769
09:15	MP24562-S2	4150	27356	4236	1776
09:18	ZZZZZZ	4249	28583	4297	1993
09:23	ZZZZZZ	4574	30435	4617	1978
09:27	MA10513-CCV2	4109	27163	4274	1688
09:31	MA10513-CCB2	4296	28793	4308	2028
09:35	ZZZZZZ	4593	30513	4642	1979
09:39	ZZZZZZ	4255	28426	4339	1958
09:43	ZZZZZZ	4466	29843	4571	1956
09:48	ZZZZZZ	4287	28426	4351	1917
09:52	ZZZZZZ	4783	31850	4858	1953
09:56	ZZZZZZ	4309	28793	4377	1996
10:00	ZZZZZZ	4383	28999	4454	1884
10:05	ZZZZZZ	4488	29562	4457	1915
10:09	ZZZZZZ	4442	29075	4483	1933

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:13	ZZZZZZ	4248	28386	4291	2005
10:17	MA10513-CCV3	4117	26817	4277	1681
10:21	MA10513-CCB3	4260	28089	4294	1996
10:55	MA10513-CCV4	4117	26884	4288	1662
11:06	MA10513-CCB4	4310	28213	4258	2015
11:12	ZZZZZZ	4017	26474	4256	1777
11:16	ZZZZZZ	3985	26337	4231	1768
11:20	ZZZZZZ	4000	26453	4263	1762
11:25	ZZZZZZ	4068	26899	4206	1794
11:29	ZZZZZZ	4081	26874	4255	1791
11:33	ZZZZZZ	4043	26750	4244	1780
11:37	MP24563-MB1	4254	28357	4350	2015
11:41	MP24563-B1	4110	27079	4273	1762
11:45	FA1369-1	4103	27377	4194	1888
11:50	MP24563-D1	4191	27976	4235	1919
11:54	MA10513-CCV5	4055	26422	4237	1669
11:58	MA10513-CCB5	4160	27504	4222	1978
12:02	MP24563-SD1	4240	28099	4352	1995
12:06	MP24563-PS1	4157	27464	4308	1851
12:11	MP24563-S1	4095	26886	4214	1726
12:14	MP24563-S2	4148	27194	4341	1770
12:18	ZZZZZZ	4071	26855	4278	1868
12:23	ZZZZZZ	4386	29251	4616	1925
12:27	ZZZZZZ	4215	28164	4446	1911
12:31	ZZZZZZ	4179	27888	4238	1957
12:36	ZZZZZZ	4070	27178	4240	1867
12:40	ZZZZZZ	4315	28771	4533	1905
12:44	MA10513-CCV6	3985	26261	4276	1667
12:48	MA10513-CCB6	4123	27484	4292	1980
12:52	ZZZZZZ	4179	28034	4332	1889
12:57	ZZZZZZ	4139	27600	4296	1953
13:01	ZZZZZZ	4320	28870	4545	1953
13:05	ZZZZZZ	4001	26764	4358	1760

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:09	ZZZZZZ	3997	26932	4277	1819
13:14	ZZZZZZ	3992	26615	4251	1760
13:18	ZZZZZZ	4121	27536	4267	1991
13:22	ZZZZZZ	4103	27496	4298	1995
13:27	ZZZZZZ	4047	27137	4282	1886
13:31	ZZZZZZ	4148	27880	4272	1940
13:35	MA10513-CCV7	4045	26658	4244	1687
13:39	MA10513-CCB7	13945	26942	4231	6794
13:43	ZZZZZZ	3676	25776	4165	1679
14:53	ZZZZZZ	5032	33036	5298	1734
14:57	ZZZZZZ	5000	33272	5344	1758
15:01	ZZZZZZ	4435	29211	4840	1601
15:06	ZZZZZZ	5992	39819	6302	1723
15:10	FA1416-2	4503	29781	4701	1653
15:14	MP24558-D1	4472	29310	4731	1695
15:18	MP24558-S1	4714	31171	5099	1651
15:22	MP24558-S2	4496	29716	4804	1713
15:26	MP24558-PS1	4477	29698	4810	1649
15:30	MA10513-CCV8	3987	26469	4147	1665
15:34	MA10513-CCB8	4114	27418	4181	1993
15:38	MP24558-SD1	4120	27292	4321	1821
15:43	FA1416-3	4302	28413	4599	1755
15:47	FA1416-4	4753	31557	4945	1896
15:51	FA1416-5	4879	32682	5226	1603
15:55	FA1416-6	4356	28629	4538	1657
15:59	FA1416-7	4200	27198	4544	1639
16:04	FA1416-8	4298	27908	4766	1604
16:08	FA1416-9	4420	29098	4634	1822
16:12	ZZZZZZ	3751	24416	4257	1417
16:17	ZZZZZZ	4187	27445	4557	1503
16:21	MA10513-CCV9	3920	26317	4248	1667
16:25	MA10513-CCB9	4107	27632	4282	2024
16:29	ZZZZZZ	3700	24284	4372	1385

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10513
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:34	MA10513-CRIA2	4124	27699	4264	1943
16:38	MA10513-ICSA2	3680	23690	4046	1464
16:42	MA10513-ICSAB2	3566	23013	4010	1433
16:47	MA10513-CCV10	3929	25976	4215	1681
16:50	MA10513-CCB10	4022	27051	4174	1978

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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10513 Units: ug/l

Time:			08:10		08:41		09:31		10:21	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.1	<200	-0.40	<200	3.9	<200	4.8	<200
Antimony	6.0	1.3	0.90	<6.0	-0.30	<6.0	-0.80	<6.0	-1.4	<6.0
Arsenic	10	1.6	0.40	<10	0.60	<10	0.70	<10	0.30	<10
Barium	200	1	0.20	<200	-0.20	<200	0.20	<200	-0.10	<200
Beryllium	4.0	.5	0.0	<4.0	-0.10	<4.0	0.30	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	4.8	<1000	3.2	<1000	9.7	<1000	10.3	<1000
Chromium	10	1.8	0.10	<10	0.10	<10	0.30	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	4.6	<300	1.4	<300	9.5	<300	7.9	<300
Lead	5.0	1.1	0.20	<5.0	0.0	<5.0	-0.20	<5.0	0.10	<5.0
Magnesium	5000	74	21.7	<5000	5.4	<5000	4.8	<5000	-1.1	<5000
Manganese	15	.7	0.10	<15	0.0	<15	0.10	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.20	<40	0.40	<40	0.50	<40
Potassium	10000	200	86.4	<10000	22.1	<10000	1.4	<10000	-16	<10000
Selenium	10	2	0.90	<10	1.0	<10	0.10	<10	0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	2.9	<10000	-23	<10000	-21	<10000	-30	<10000
Strontium	10	.5								
Thallium	10	1.3	0.30	<10	0.30	<10	0.0	<10	0.10	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.0	<50	0.10	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10513 Units: ug/l

Time: / Sample ID:			11:06 CCB4		11:58 CCB5		12:48 CCB6		13:39 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	10.0	<200	16.8	<200	9.0	<200	15.9	<200
Antimony	6.0	1.3	0.60	<6.0	1.5	<6.0	0.50	<6.0	0.0	<6.0
Arsenic	10	1.6	0.10	<10	0.50	<10	0.20	<10	2.2	<10
Barium	200	1	0.10	<200	0.20	<200	0.10	<200	0.20	<200
Beryllium	4.0	.5	0.10	<4.0	0.30	<4.0	0.10	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	6.1	<1000	9.6	<1000	6.3	<1000	3.6	<1000
Chromium	10	1.8	-0.10	<10	0.10	<10	0.0	<10	-0.10	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	9.7	<300	13.9	<300	9.3	<300	7.9	<300
Lead	5.0	1.1	-0.20	<5.0	0.20	<5.0	0.30	<5.0	-4.2	<5.0
Magnesium	5000	74	1.2	<5000	11.8	<5000	-2.8	<5000	-0.90	<5000
Manganese	15	.7	0.20	<15	0.20	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.10	<40	0.0	<40	-0.40	<40
Potassium	10000	200	73.5	<10000	45.8	<10000	33.1	<10000	19.6	<10000
Selenium	10	2	-0.60	<10	-0.20	<10	1.2	<10	-1.9	<10
Silver	10	.5	anr							
Sodium	10000	500	17.3	<10000	23.5	<10000	13.3	<10000	15.6	<10000
Strontium	10	.5								
Thallium	10	1.3	0.70	<10	0.20	<10	0.60	<10	5.8	<10* (a)
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.50	<50	0.30	<50	0.30	<50
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible positive bias, but all sample results <MDL.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10513 Units: ug/l

Time:			15:34		16:25		16:50	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	10.9	<200	13.0	<200	17.1	<200
Antimony	6.0	1.3	0.50	<6.0	0.30	<6.0	1.0	<6.0
Arsenic	10	1.6	0.10	<10	0.70	<10	0.10	<10
Barium	200	1	0.60	<200	0.50	<200	0.40	<200
Beryllium	4.0	.5	0.30	<4.0	0.40	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	12.5	<1000	12.7	<1000	15.7	<1000
Chromium	10	1.8	0.50	<10	0.10	<10	0.0	<10
Cobalt	50	.5						
Copper	25	1						
Iron	300	29	14.7	<300	14.3	<300	14.2	<300
Lead	5.0	1.1	0.30	<5.0	0.40	<5.0	0.40	<5.0
Magnesium	5000	74	12.6	<5000	21.9	<5000	32.9	<5000
Manganese	15	.7	0.50	<15	0.30	<15	0.30	<15
Molybdenum	50	.6						
Nickel	40	.5	0.20	<40	0.10	<40	0.0	<40
Potassium	10000	200	43.3	<10000	79.1	<10000	44.7	<10000
Selenium	10	2	1.1	<10	0.90	<10	0.90	<10
Silver	10	.5	anr					
Sodium	10000	500	24.0	<10000	192	<10000	119	<10000
Strontium	10	.5						
Thallium	10	1.3	0.90	<10	1.1	<10	0.30	<10
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5	0.40	<50	0.40	<50	0.40	<50
Zinc	20	3	anr					

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10513 Units: ug/l

Time:		08:04			08:35			09:27	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	40700	101.8	40000	41100	102.8
Antimony	2000	2080	104.0	2000	1960	98.0	2000	1930	96.5
Arsenic	2000	2040	102.0	2000	1980	99.0	2000	1940	97.0
Barium	2000	2110	105.5	2000	2050	102.5	2000	2060	103.0
Beryllium	2000	2110	105.5	2000	2010	100.5	2000	1960	98.0
Cadmium	2000	2060	103.0	2000	2040	102.0	2000	2040	102.0
Calcium	40000	43100	107.8	40000	40900	102.3	40000	40800	102.0
Chromium	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Cobalt									
Copper									
Iron	40000	43500	108.8	40000	40800	102.0	40000	39500	98.8
Lead	2000	2000	100.0	2000	1950	97.5	2000	1900	95.0
Magnesium	40000	42200	105.5	40000	40000	100.0	40000	38900	97.3
Manganese	2000	2100	105.0	2000	2040	102.0	2000	2000	100.0
Molybdenum									
Nickel	2000	2110	105.5	2000	1980	99.0	2000	1920	96.0
Potassium	40000	43000	107.5	40000	40000	100.0	40000	39300	98.3
Selenium	2000	2110	105.5	2000	1970	98.5	2000	1940	97.0
Silver	anr								
Sodium	40000	38500	96.3	40000	40700	101.8	40000	41300	103.3
Strontium									
Thallium	2000	2100	105.0	2000	1980	99.0	2000	1950	97.5
Tin									
Titanium									
Vanadium	2000	2050	102.5	2000	1950	97.5	2000	1940	97.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10513 Units: ug/l

Time:		10:17			10:55			11:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	39600	99.0	40000	39700	99.3
Antimony	2000	1900	95.0	2000	1970	98.5	2000	2010	100.5
Arsenic	2000	1920	96.0	2000	1970	98.5	2000	2000	100.0
Barium	2000	2030	101.5	2000	1990	99.5	2000	1980	99.0
Beryllium	2000	1950	97.5	2000	1990	99.5	2000	2020	101.0
Cadmium	2000	2030	101.5	2000	2000	100.0	2000	2010	100.5
Calcium	40000	41100	102.8	40000	40000	100.0	40000	40100	100.3
Chromium	2000	2110	105.5	2000	1980	99.0	2000	2010	100.5
Cobalt									
Copper									
Iron	40000	39100	97.8	40000	40600	101.5	40000	40800	102.0
Lead	2000	1870	93.5	2000	1950	97.5	2000	1960	98.0
Magnesium	40000	38900	97.3	40000	39600	99.0	40000	40000	100.0
Manganese	2000	1990	99.5	2000	2020	101.0	2000	2040	102.0
Molybdenum									
Nickel	2000	1900	95.0	2000	1990	99.5	2000	2040	102.0
Potassium	40000	39100	97.8	40000	39200	98.0	40000	39700	99.3
Selenium	2000	1920	96.0	2000	1980	99.0	2000	2020	101.0
Silver	anr								
Sodium	40000	41300	103.3	40000	39400	98.5	40000	39600	99.0
Strontium									
Thallium	2000	1930	96.5	2000	1980	99.0	2000	1990	99.5
Tin									
Titanium									
Vanadium	2000	1980	99.0	2000	1910	95.5	2000	1950	97.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10513 Units: ug/l

Time:		12:44			13:35			15:30	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39000	97.5	40000	39700	99.3
Antimony	2000	2090	104.5	2000	2020	101.0	2000	2050	102.5
Arsenic	2000	2050	102.5	2000	1990	99.5	2000	2030	101.5
Barium	2000	2000	100.0	2000	1960	98.0	2000	2050	102.5
Beryllium	2000	2070	103.5	2000	2010	100.5	2000	2080	104.0
Cadmium	2000	2020	101.0	2000	1990	99.5	2000	2010	100.5
Calcium	40000	39800	99.5	40000	39200	98.0	40000	39800	99.5
Chromium	2000	2000	100.0	2000	1960	98.0	2000	1960	98.0
Cobalt									
Copper									
Iron	40000	41900	104.8	40000	40700	101.8	40000	42300	105.8
Lead	2000	2020	101.0	2000	1970	98.5	2000	2010	100.5
Magnesium	40000	40300	100.8	40000	39600	99.0	40000	40600	101.5
Manganese	2000	2080	104.0	2000	2030	101.5	2000	2080	104.0
Molybdenum									
Nickel	2000	2110	105.5	2000	2060	103.0	2000	2090	104.5
Potassium	40000	40300	100.8	40000	39400	98.5	40000	40500	101.3
Selenium	2000	2080	104.0	2000	2010	100.5	2000	2040	102.0
Silver	anr								
Sodium	40000	39200	98.0	40000	38800	97.0	40000	39600	99.0
Strontium									
Thallium	2000	2040	102.0	2000	1990	99.5	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	1960	98.0	2000	1920	96.0	2000	1920	96.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10513 Units: ug/l

Time:		16:21			16:47	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39600	99.0
Antimony	2000	2130	106.5	2000	2130	106.5
Arsenic	2000	2090	104.5	2000	2100	105.0
Barium	2000	1990	99.5	2000	2010	100.5
Beryllium	2000	2060	103.0	2000	2100	105.0
Cadmium	2000	2040	102.0	2000	2030	101.5
Calcium	40000	39500	98.8	40000	39700	99.3
Chromium	2000	1990	99.5	2000	2000	100.0
Cobalt						
Copper						
Iron	40000	41600	104.0	40000	42400	106.0
Lead	2000	2050	102.5	2000	2050	102.5
Magnesium	40000	40000	100.0	40000	40600	101.5
Manganese	2000	2070	103.5	2000	2110	105.5
Molybdenum						
Nickel	2000	2150	107.5	2000	2160	108.0
Potassium	40000	40400	101.0	40000	41100	102.8
Selenium	2000	2120	106.0	2000	2130	106.5
Silver	anr					
Sodium	40000	38600	96.5	40000	39100	97.8
Strontium						
Thallium	2000	2060	103.0	2000	2060	103.0
Tin						
Titanium						
Vanadium	2000	1960	98.0	2000	1980	99.0
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10513 Units: ug/l

Time:		07:57	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80800	101.0
Antimony	4000	4110	102.8
Arsenic	4000	4090	102.3
Barium	4000	4000	100.0
Beryllium	4000	4080	102.0
Cadmium	4000	4010	100.3
Calcium	80000	80200	100.3
Chromium	4000	4020	100.5
Cobalt			
Copper			
Iron	80000	80700	100.9
Lead	4000	4130	103.3
Magnesium	80000	81400	101.8
Manganese	4000	4020	100.5
Molybdenum			
Nickel	4000	4070	101.8
Potassium	80000	82800	103.5
Selenium	4000	4100	102.5
Silver	anr		
Sodium	80000	80800	101.0
Strontium			
Thallium	4000	4070	101.8
Tin			
Titanium			
Vanadium	4000	4100	102.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10513 Units: ug/l

Time:			08:14		16:34	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	208	104.0	208	104.0
Antimony	10	5.0	5.7	114.0	5.9	118.0
Arsenic	20	10	10.9	109.0	10.4	104.0
Barium	400	200	211	105.5	209	104.5
Beryllium	10	5.0	5.3	106.0	5.4	108.0
Cadmium	10	5.0	5.5	110.0	5.3	106.0
Calcium	2000	1000	1070	107.0	1060	106.0
Chromium	20	10	11.0	110.0	10.1	101.0
Cobalt	100	50				
Copper	50	25				
Iron	600	300	329	109.7	344	114.7
Lead	10	5.0	5.1	102.0	5.1	102.0
Magnesium	10000	5000	5260	105.2	5170	103.4
Manganese	30	15	16.8	112.0	16.7	111.3
Molybdenum	100	50				
Nickel	80	40	44.9	112.3	45.2	113.0
Potassium	20000	10000	10300	103.0	10200	102.0
Selenium	20	10	10.8	108.0	9.9	99.0
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	10100	101.0
Strontium	20	10				
Thallium	20	10	10.0	100.0	10.8	108.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	53.7	107.4	51.5	103.0
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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020513M1.ICP Date Analyzed: 02/05/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10513 Units: ug/l

Time:			08:22		08:28		16:38		16:42	
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	515000	103.0	489000	97.8	505000	101.0
Antimony		1000	0.50		1040	104.0	0.10		1090	109.0
Arsenic		1000	1.1		1040	104.0	1.8		1070	107.0
Barium		500	0.0		487	97.4	-0.20		471	94.2
Beryllium		500	-0.10		466	93.2	-0.10		470	94.0
Cadmium		1000	0.0		880	88.0	1.6		873	87.3
Calcium	500000	500000	482000	96.4	488000	97.6	459000	91.8	468000	93.6
Chromium		500	0.20		457	91.4	0.50		448	89.6
Cobalt		500	0.50		434	86.8	0.50		432	86.4
Copper		500	0.0		500	100.0	-0.70		515	103.0
Iron	200000	200000	190000	95.0	184000	92.0	186000	93.0	184000	92.0
Lead		1000	-0.20		879	87.9	6.0		896	89.6
Magnesium	500000	500000	500000	100.0	497000	99.4	483000	96.6	497000	99.4
Manganese		500	-0.50		465	93.0	0.0		469	93.8
Molybdenum		1000	0.0		975	97.5	-0.40		1040	104.0
Nickel		1000	0.0		852	85.2	-0.60		895	89.5
Potassium			39.0		31.8		147		109	
Selenium		1000	0.90		1010	101.0	2.9		1050	105.0
Silver		1000	-0.50		994	99.4	0.0		992	99.2
Sodium			90.0		88.9		543		366	
Strontium		1000	4.1		1080	108.0	4.2		1090	109.0
Thallium		1000	-0.90		964	96.4	-0.80		972	97.2
Tin		1000	0.40		932	93.2	0.40		947	94.7
Titanium		1000	-2.0		1040	104.0	-1.8		1070	107.0
Vanadium		500	-0.20		471	94.2	-0.30		473	94.6
Zinc		1000	-1.1		860	86.0	-0.70		936	93.6

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10515
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:00	MA10515-STD1	1		STDA
08:04	MA10515-STD2	1		STDB
08:07	MA10515-STD3	1		STDC
08:11	MA10515-STD4	1		STDD
08:16	MA10515-HSTD1	1		
08:23	MA10515-ICV1	1		
08:30	MA10515-ICB1	1		
08:34	MA10515-CRIA1	1		
08:45	MA10515-ICSA1	1		
08:55	MA10515-ICSAB1	1		
09:04	MA10515-CCV1	1		
09:10	MA10515-CCB1	1		
09:16	MP24567-MB1	1		
09:20	MP24567-B1	1		
09:24	FA1349-1	1		(sample used for QC only; not part of login FA1416)
09:28	MP24567-D1	1		
09:32	MP24567-SD1	5		
09:37	MP24567-PS1	1		
09:41	MP24567-S1	1		
09:44	MP24567-S2	1		
09:48	ZZZZZZ	1		
09:53	ZZZZZZ	1		
09:57	MA10515-CCV2	1		
10:01	MA10515-CCB2	1		
10:05	ZZZZZZ	1		
10:09	FA1415-1F	10		(sample used for QC only; not part of login FA1416)
10:14	MP24565-D1	10		
10:18	MP24565-S1	10		
10:22	MP24565-S2	10		
10:26	MP24565-PS1	10		
10:31	MP24565-SD1	50		
10:35	ZZZZZZ	10		
10:43	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10515
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	10:48	MA10515-CCV3	1		
	10:51	MA10515-CCB3	1		
	11:08	FA1416-1	1		
---------->	Last reportable sample/prep for job FA1416				
	11:34	MA10515-CRIA2	1		
	11:38	MA10515-CCV4	1		
	11:42	MA10515-CCB4	1		
	11:47	MA10515-ICSA2	1		
	11:51	MA10515-ICSAB2	1		
	11:55	MA10515-CCV5	1		
	11:59	MA10515-CCB5	1		
---------->	Last reportable CCB for job FA1416				

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10515
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:00	MA10515-STD1	4283	32250	6157	1975
08:04	MA10515-STD2	4267	31854	6252	1863
08:07	MA10515-STD3	4101	30402	6138	1671
08:11	MA10515-STD4	3957	29263	5994	1497
08:16	MA10515-HSTD1	3963	29737	6034	1513
08:23	MA10515-ICV1	4059	30212	6084	1652
08:30	MA10515-ICB1	4313 R	31913 R	6122 R	1975 R
08:34	MA10515-CRIA1	4261	31549	6126	1894
08:45	MA10515-ICSA1	3745	27469	5991	1480
08:55	MA10515-ICSAB1	3751	27156	5857	1439
09:04	MA10515-CCV1	4115	30402	6100	1660
09:10	MA10515-CCB1	4308	31800	6041	1960
09:16	MP24567-MB1	4340	32643	6150	1978
09:20	MP24567-B1	4169	31108	6129	1774
09:24	FA1349-1	4243	31795	6214	1894
09:28	MP24567-D1	4262	31924	6204	1905
09:32	MP24567-SD1	4313	31863	6122	1946
09:37	MP24567-PS1	4249	31949	6284	1851
09:41	MP24567-S1	4134	30875	6158	1736
09:44	MP24567-S2	4127	30580	6141	1731
09:48	ZZZZZZ	4120	30559	6081	1793
09:53	ZZZZZZ	4092	30710	6075	1792
09:57	MA10515-CCV2	4056	30305	6026	1654
10:01	MA10515-CCB2	4270	31957	6117	1963
10:05	ZZZZZZ	4080	30153	6048	1786
10:09	FA1415-1F	4638	33571	6935	1632
10:14	MP24565-D1	4629	33905	6993	1605
10:18	MP24565-S1	4570	33347	6887	1628
10:22	MP24565-S2	4633	33430	6904	1608
10:26	MP24565-PS1	4620	33417	6884	1634
10:31	MP24565-SD1	4378	32351	6348	1812
10:35	ZZZZZZ	4544	33287	6830	1638
10:43	ZZZZZZ	3672	25906	5619	1420

INTERNAL STANDARD SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10515
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:48	MA10515-CCV3	4038	30392	6081	1649
10:51	MA10515-CCB3	4239	31957	6090	1958
11:08	FA1416-1	4273	32368	6137	1976
11:34	MA10515-CRIA2	4254	31275	6050	1896
11:38	MA10515-CCV4	4083	30172	6043	1659
11:42	MA10515-CCB4	4249	31971	6080	1968
11:47	MA10515-ICSA2	3700	27257	5859	1477
11:51	MA10515-ICSAB2	3692	26775	5822	1440
11:55	MA10515-CCV5	4054	29927	5921	1651
11:59	MA10515-CCB5	4255	31776	5980	1963

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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10515 Units: ug/l

Time:			08:30		09:10		10:01		10:51	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-5.7	<200	0.0	<200	0.50	<200	2.5	<200
Antimony	6.0	1.3	-0.10	<6.0	0.50	<6.0	-0.50	<6.0	1.0	<6.0
Arsenic	10	1.6	-0.10	<10	0.0	<10	0.60	<10	0.50	<10
Barium	200	1	-0.30	<200	-0.20	<200	0.0	<200	0.0	<200
Beryllium	4.0	.5	-0.20	<4.0	-0.10	<4.0	0.0	<4.0	0.0	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	-4.7	<1000	4.3	<1000	1.2	<1000	-1.1	<1000
Chromium	10	1.8	-0.10	<10	-0.20	<10	0.20	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-1.4	<300	2.5	<300	4.9	<300	4.6	<300
Lead	5.0	1.1	1.0	<5.0	0.50	<5.0	0.40	<5.0	0.50	<5.0
Magnesium	5000	74	-2.5	<5000	6.2	<5000	5.0	<5000	11.5	<5000
Manganese	15	.7	-0.10	<15	0.0	<15	0.10	<15	0.0	<15
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	9.5	<10000	-1.3	<10000	4.6	<10000	57.0	<10000
Selenium	10	2	-0.20	<10	-0.90	<10	-0.10	<10	-1.6	<10
Silver	10	.5								
Sodium	10000	500	-1.6	<10000	3.2	<10000	16.1	<10000	158	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.30	<10	-0.10	<10	0.50	<10	0.90	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.20	<50	0.10	<50	0.10	<50	-0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10515 Units: ug/l

Time:			11:42		11:59	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	-2.2	<200	11.9	<200
Antimony	6.0	1.3	0.0	<6.0	0.60	<6.0
Arsenic	10	1.6	0.70	<10	0.30	<10
Barium	200	1	0.10	<200	0.10	<200
Beryllium	4.0	.5	0.10	<4.0	0.0	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0
Calcium	1000	50	2.8	<1000	13.9	<1000
Chromium	10	1.8	0.0	<10	0.10	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	5.2	<300	11.8	<300
Lead	5.0	1.1	0.20	<5.0	0.30	<5.0
Magnesium	5000	74	10.1	<5000	23.5	<5000
Manganese	15	.7	0.0	<15	0.0	<15
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	27.8	<10000	-1.2	<10000
Selenium	10	2	0.10	<10	-0.10	<10
Silver	10	.5				
Sodium	10000	500	26.3	<10000	28.4	<10000
Strontium	10	.5				
Thallium	10	1.3	0.10	<10	0.60	<10
Tin	50	.7				
Titanium	10	.9				
Vanadium	50	.5	0.0	<50	0.0	<50
Zinc	20	3	anr			

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10515 Units: ug/l

Time:		08:23			09:04			09:57	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	39900	99.8	40000	40400	101.0
Antimony	2000	2050	102.5	2000	1980	99.0	2000	2030	101.5
Arsenic	2000	2020	101.0	2000	2000	100.0	2000	2030	101.5
Barium	2000	2090	104.5	2000	1990	99.5	2000	2000	100.0
Beryllium	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Cadmium	2000	2050	102.5	2000	2030	101.5	2000	2050	102.5
Calcium	40000	42700	106.8	40000	40400	101.0	40000	40800	102.0
Chromium	2000	2040	102.0	2000	2020	101.0	2000	2030	101.5
Cobalt									
Copper	anr								
Iron	40000	42100	105.3	40000	41000	102.5	40000	41300	103.3
Lead	2000	1950	97.5	2000	1960	98.0	2000	1960	98.0
Magnesium	40000	41600	104.0	40000	40200	100.5	40000	40600	101.5
Manganese	2000	2050	102.5	2000	2020	101.0	2000	2020	101.0
Molybdenum									
Nickel	anr								
Potassium	40000	41800	104.5	40000	39400	98.5	40000	40200	100.5
Selenium	2000	2090	104.5	2000	1990	99.5	2000	2030	101.5
Silver									
Sodium	40000	38200	95.5	40000	39600	99.0	40000	40200	100.5
Strontium									
Thallium	2000	2050	102.5	2000	1980	99.0	2000	1980	99.0
Tin									
Titanium									
Vanadium	2000	2020	101.0	2000	1940	97.0	2000	1950	97.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10515 Units: ug/l

Time:		10:48			11:38			11:55	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	40100	100.3	40000	40200	100.5
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2010	100.5
Arsenic	2000	2030	101.5	2000	2020	101.0	2000	2010	100.5
Barium	2000	2020	101.0	2000	2010	100.5	2000	2030	101.5
Beryllium	2000	2020	101.0	2000	2010	100.5	2000	2000	100.0
Cadmium	2000	2040	102.0	2000	2040	102.0	2000	2050	102.5
Calcium	40000	40100	100.3	40000	40300	100.8	40000	40500	101.3
Chromium	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	40700	101.8	40000	40700	101.8	40000	40700	101.8
Lead	2000	1970	98.5	2000	1960	98.0	2000	1970	98.5
Magnesium	40000	39400	98.5	40000	39700	99.3	40000	40200	100.5
Manganese	2000	2000	100.0	2000	2030	101.5	2000	2060	103.0
Molybdenum									
Nickel	anr								
Potassium	40000	40500	101.3	40000	39900	99.8	40000	40100	100.3
Selenium	2000	2040	102.0	2000	2020	101.0	2000	2010	100.5
Silver									
Sodium	40000	41000	102.5	40000	40100	100.3	40000	40200	100.5
Strontium									
Thallium	2000	1990	99.5	2000	1970	98.5	2000	1980	99.0
Tin									
Titanium									
Vanadium	2000	1940	97.0	2000	1950	97.5	2000	1960	98.0
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10515 Units: ug/l

Time:		08:16	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	4020	100.5
Arsenic	4000	4030	100.8
Barium	4000	3940	98.5
Beryllium	4000	3980	99.5
Cadmium	4000	3960	99.0
Calcium	80000	79700	99.6
Chromium	4000	3930	98.3
Cobalt			
Copper	anr		
Iron	80000	78900	98.6
Lead	4000	4050	101.3
Magnesium	80000	79900	99.9
Manganese	4000	3860	96.5
Molybdenum			
Nickel	anr		
Potassium	80000	81400	101.8
Selenium	4000	4020	100.5
Silver			
Sodium	80000	80800	101.0
Strontium			
Thallium	4000	4000	100.0
Tin			
Titanium			
Vanadium	4000	3980	99.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10515 Units: ug/l

Time:			08:34		11:34	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	203	101.5	205	102.5
Antimony	10	5.0	6.3	126.0	5.1	102.0
Arsenic	20	10	10.0	100.0	10.1	101.0
Barium	400	200	207	103.5	208	104.0
Beryllium	10	5.0	5.0	100.0	4.9	98.0
Cadmium	10	5.0	5.3	106.0	5.3	106.0
Calcium	2000	1000	1060	106.0	1060	106.0
Chromium	20	10	10.7	107.0	10.7	107.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	323	107.7	316	105.3
Lead	10	5.0	5.3	106.0	5.3	106.0
Magnesium	10000	5000	5140	102.8	5210	104.2
Manganese	30	15	16.1	107.3	16.3	108.7
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9550	95.5	9700	97.0
Selenium	20	10	8.6	86.0	8.7	87.0
Silver	20	10				
Sodium	20000	10000	9890	98.9	10000	100.0
Strontium	20	10				
Thallium	20	10	9.6	96.0	9.6	96.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	52.2	104.4	52.5	105.0
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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10515 Units: ug/l

Time:			08:45		08:55		11:47		11:51	
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	507000	101.4	509000	101.8	505000	101.0
Antimony		1000	-0.90		1030	103.0	-1.1		1060	106.0
Arsenic		1000	0.50		1020	102.0	-0.20		1040	104.0
Barium		500	-0.70		471	94.2	-0.40		478	95.6
Beryllium		500	-0.30		466	93.2	-0.30		445	89.0
Cadmium		1000	0.0		866	86.6	0.20		869	86.9
Calcium	500000	500000	472000	94.4	479000	95.8	471000	94.2	471000	94.2
Chromium		500	-0.10		449	89.8	-0.10		446	89.2
Cobalt		500	0.40		429	85.8	0.50		430	86.0
Copper		500	-1.8		488	97.6	-2.6		499	99.8
Iron	200000	200000	184000	92.0	186000	93.0	181000	90.5	176000	88.0
Lead		1000	-0.40		865	86.5	0.10		851	85.1
Magnesium	500000	500000	494000	98.8	497000	99.4	494000	98.8	496000	99.2
Manganese		500	0.10		449	89.8	0.0		462	92.4
Molybdenum		1000	-0.60		983	98.3	-0.60		972	97.2
Nickel		1000	-0.30		839	83.9	-0.80		865	86.5
Potassium			-2.8		12.7		22.4		41.6	
Selenium		1000	0.0		996	99.6	-3.9		1020	102.0
Silver		1000	-0.80		914	91.4	-0.40		932	93.2
Sodium			83.6		96.6		146		154	
Strontium		1000	3.6		1080	108.0	3.6		1050	105.0
Thallium		1000	2.0		960	96.0	3.1		935	93.5
Tin		1000	-0.70		921	92.1	-0.10		934	93.4
Titanium		1000	-4.3		1030	103.0	-4.2		1010	101.0
Vanadium		500	-0.10		459	91.8	0.0		463	92.6
Zinc		1000	-2.1		867	86.7	-1.9		865	86.5

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24558
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/04/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	-0.59	<10
Antimony	1.0	.065	.095	-0.050	<1.0
Arsenic	0.50	.08	.08	-0.025	<0.50
Barium	10	.05	.25	0.015	<10
Beryllium	0.25	.025	.025	0.0	<0.25
Cadmium	0.20	.025	.025	0.0	<0.20
Calcium	250	2.5	2.5	1.5	<250
Chromium	0.50	.09	.09	0.025	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	2.8	<15
Lead	1.0	.055	.055	0.020	<1.0
Magnesium	250	3.7	3.8	-0.13	<250
Manganese	0.75	.035	.045	0.030	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	0.020	<2.0
Potassium	500	10	10	-1.1	<500
Selenium	1.0	.1	.15	0.010	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	0.87	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.11	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	0.0050	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24558: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9

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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24558
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			02/04/13					02/04/13	
Metal	FA1416-2 Original	DUP	RPD	QC Limits	FA1416-2 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	6000	5920 (a)	1.3	0-20	6000	7450 (a)	964	150.4(d)	80-120
Antimony	0.0	0.0 (a)	NC	0-20	0.0	9.5 (a)	17.9	53.2N(e)	80-120
Arsenic	4.8	2.8 (a)	52.6 (b)	0-20	4.8	54.1 (a)	71.4	69.0N(e)	80-120
Barium	61.6	48.0 (a)	24.8 (b)	0-20	61.6	126 (a)	71.4	90.2	80-120
Beryllium	0.38	0.42 (a)	10.0	0-20	0.38	1.8 (a)	1.79	79.5N(e)	80-120
Cadmium	13.3	10.0 (a)	28.3*(c)	0-20	13.3	15.9 (a)	1.79	145.6(d)	80-120
Calcium	87200	54500(a)	46.2*(c)	0-20	87200	59000(a)	893	-3158.4d	80-120
Chromium	49.0	31.3 (a)	44.1*(c)	0-20	49.0	46.2 (a)	7.14	-39.2(d)	80-120
Cobalt									
Copper									
Iron	13300	6150 (a)	73.5*(c)	0-20	13300	7760 (a)	929	-596.6(d	80-120
Lead	2.7	2.7 (a)	0.0	0-20	2.7	19.6 (a)	17.9	94.6	80-120
Magnesium	42000	24000(a)	54.5*(c)	0-20	42000	25500(a)	893	-1848.0d	80-120
Manganese	193	154 (a)	22.5*(c)	0-20	193	192 (a)	17.9	-5.6 (d)	80-120
Molybdenum									
Nickel	28.9	18.6 (a)	43.4 (b)	0-20	28.9	34.9 (a)	17.9	33.6N(e)	80-120
Potassium	1320	1140 (a)	14.6	0-20	1320	2050 (a)	893	81.8	80-120
Selenium	0.0	0.0 (a)	NC	0-20	0.0	51.8 (a)	71.4	72.5N(e)	80-120
Silver									
Sodium	606	553 (a)	9.1	0-20	606	1190 (a)	893	65.4N(e)	80-120
Strontium									
Thallium	0.0	0.0 (a)	NC	0-20	0.0	55.7 (a)	71.4	78.0N(e)	80-120
Tin									
Titanium									
Vanadium	48.5	35.8 (a)	30.1 (b)	0-20	48.5	63.4 (a)	17.9	83.4	80-120
Zinc									

Associated samples MP24558: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9

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) Elevated reporting limit(s) due to matrix interference.
(b) RPD acceptable due to low duplicate and sample concentrations.
(c) High RPD due to possible sample nonhomogeneity.
(d) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(e) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24558 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 02/04/13

Metal	FA1416-2 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	6000	9040 (a)	1200	254.2(b)	19.3	20
Antimony	0.0	13.2 (a)	22.1	59.6N(c)	32.6 (d)	20
Arsenic	4.8	74.5 (a)	88.6	78.7N(c)	31.7 (d)	20
Barium	61.6	141 (a)	88.6	89.6	11.2	20
Beryllium	0.38	2.4 (a)	2.21	91.2	28.6 (d)	20
Cadmium	13.3	13.9 (a)	2.21	27.1 (b)	13.4	20
Calcium	87200	52400(a)	1110	-3142.4b	11.8	20
Chromium	49.0	43.8 (a)	8.86	-58.7(b)	5.3	20
Cobalt						
Copper						
Iron	13300	10500(a)	1150	-243.1(b	30.0 (d)	20
Lead	2.7	23.0 (a)	22.1	91.7	16.0	20
Magnesium	42000	22700(a)	1110	-1742.8b	11.6	20
Manganese	193	223 (a)	22.1	135.5(b)	14.9	20
Molybdenum						
Nickel	28.9	44.3 (a)	22.1	69.5N(c)	23.7 (d)	20
Potassium	1320	2540 (a)	1110	110.2	21.4 (d)	20
Selenium	0.0	73.3 (a)	88.6	82.7	34.4 (d)	20
Silver						
Sodium	606	1490 (a)	1110	79.8N(c)	22.4 (d)	20
Strontium						
Thallium	0.0	76.5 (a)	88.6	86.3	31.5 (d)	20
Tin						
Titanium						
Vanadium	48.5	66.6 (a)	22.1	81.7	4.9	20
Zinc						

Associated samples MP24558: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9

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) Elevated reporting limit(s) due to matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(d) High RPD due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24558
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/04/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1390	1350	103.0	80-120
Antimony	25.2	25	100.8	80-120
Arsenic	97.5	100	97.5	80-120
Barium	104	100	104.0	80-120
Beryllium	2.6	2.5	104.0	80-120
Cadmium	2.5	2.5	100.0	80-120
Calcium	1300	1250	104.0	80-120
Chromium	10.4	10	104.0	80-120
Cobalt				
Copper				
Iron	1370	1300	105.4	80-120
Lead	22.6	25	90.4	80-120
Magnesium	1280	1250	102.4	80-120
Manganese	26.4	25	105.6	80-120
Molybdenum				
Nickel	26.1	25	104.4	80-120
Potassium	1290	1250	103.2	80-120
Selenium	99.0	100	99.0	80-120
Silver				
Sodium	1300	1250	104.0	80-120
Strontium				
Thallium	97.5	100	97.5	80-120
Tin				
Titanium				
Vanadium	25.4	25	101.6	80-120
Zinc				

Associated samples MP24558: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24558
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/04/13

Metal	FA1416-2 Original	SDL 10:50%DIF		QC Limits
Aluminum	121000	172000	42.8*(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	97.6	133	36.7 (b)	0-10
Barium	1240	1790	44.3*(a)	0-10
Beryllium	7.70	0.00	100.0(b)	0-10
Cadmium	268	392	46.2*(a)	0-10
Calcium	1760000	2560000	45.8*(a)	0-10
Chromium	986	1460	48.1*(a)	0-10
Cobalt				
Copper				
Iron	267000	401000	50.3*(a)	0-10
Lead	54.1	0.00	100.0(b)	0-10
Magnesium	845000	1220000	44.5*(a)	0-10
Manganese	3880	5770	48.7*(a)	0-10
Molybdenum				
Nickel	583	891	53.0*(a)	0-10
Potassium	26600	37900	42.4 (b)	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	12200	0.00	100.0(b)	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	976	1450	48.3*(a)	0-10
Zinc				

Associated samples MP24558: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9

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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24558
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/04/13

Metal	Sample ml	Final ml	FA1416-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	120700	118286	133400	0.2	125	2500	604.6*(a	80-120
Antimony	9.8	10	0	0	103.8	0.2	5	100	103.8	80-120
Arsenic	9.8	10	97.6	95.648	206	0.2	5	100	110.4	80-120
Barium	9.8	10	1239	1214.22	1577	0.2	12.5	250	145.1*(a	80-120
Beryllium	9.8	10	7.7	7.546	59	0.2	2.5	50	102.9	80-120
Cadmium	9.8	10	268.2	262.836	334.3	0.2	2.5	50	142.9*(a	80-120
Calcium	9.8	10	1755000	1719900	1892000	0.2	250	5000	3442.0*a	80-120
Chromium	9.8	10	986.2	966.476	1113	0.2	2.5	50	293.0*(a	80-120
Cobalt										
Copper										
Iron	9.8	10	267000	261660	299100	0.2	150	3000	1248.0*a	80-120
Lead	9.8	10	54.1	53.018	112.9	0.2	2.5	50	119.8	80-120
Magnesium	9.8	10	845100	828198	929200	0.2	250	5000	2020.0*a	80-120
Manganese	9.8	10	3881	3803.38	4311	0.2	2.5	50	1015.2*a	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	26600	26068	38670	0.2	500	10000	126.0*(a	80-120
Selenium	9.8	10	0	0	111.2	0.2	5	100	111.2	80-120
Silver										
Sodium	9.8	10	12200	11956	22220	0.2	500	10000	102.6	80-120
Strontium										
Thallium	9.8	10	0	0	83.4	0.2	5	100	83.4	80-120
Tin										
Titanium										
Vanadium	9.8	10	975.9	956.382	1119	0.2	2.5	50	325.2*(a	80-120
Zinc										

Associated samples MP24558: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9

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.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24565
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/05/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	4.8	<200
Antimony	6.0	1.3	1.3	-0.50	<6.0
Arsenic	10	1.6	2.5	-1.0	<10
Barium	200	1	1	0.0	<200
Beryllium	4.0	.5	.5	0.0	<4.0
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	-7.6	<1000
Chromium	10	1.8	2	0.20	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-1.4	<300
Lead	5.0	1.1	1.1	-0.40	<5.0
Magnesium	5000	74	74	8.5	<5000
Manganese	15	.7	.7	0.0	<15
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	3.7	<10000
Selenium	10	2	2	0.90	<10
Silver	10	.5	.5		
Sodium	10000	500	500	15.5	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3	-1.7	<10
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1	0.0	<50
Zinc	20	3	5		

Associated samples MP24565: FA1416-1

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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24565
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/05/13 02/05/13

Metal	FA1415-1F Original	DUP	RPD	QC Limits	FA1415-1F Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1860000	2110000a	12.6	0-20	1860000	1830000a	27000	-111.1(c	80-120
Antimony	0.0	0.0 (a)	NC	0-20	0.0	342 (a)	500	68.4N(d)	80-120
Arsenic	240	279 (a)	15.0	0-20	240	1730 (a)	2000	74.5N(d)	80-120
Barium	0.0	0.0 (a)	NC	0-20	0.0	1510 (a)	2000	75.5N(d)	80-120
Beryllium	63.9	72.1 (a)	12.1	0-20	63.9	99.3 (a)	50	70.8N(d)	80-120
Cadmium	3540	4010 (a)	12.5	0-20	3540	3470 (a)	50	-140.0(c	80-120
Calcium	455000	514000(a	12.2	0-20	455000	460000(a	25000	20.0 (c)	80-120
Chromium	3770	4220 (a)	11.3	0-20	3770	3790 (a)	200	10.0 (c)	80-120
Cobalt									
Copper									
Iron	2420000	2640000a	8.7	0-20	2420000	2330000a	26000	-346.2(c	80-120
Lead	0.0	0.0 (a)	NC	0-20	0.0	329 (a)	500	65.8N(d)	80-120
Magnesium	1450000	1650000a	12.9	0-20	1450000	1440000a	25000	-40.0(c)	80-120
Manganese	51800	58000(a)	11.3	0-20	51800	51300(a)	500	-100.0(c	80-120
Molybdenum									
Nickel	anr								
Potassium	506000	581000(a	13.8	0-20	506000	519000(a	25000	52.0 (c)	80-120
Selenium	0.0	0.0 (a)	NC	0-20	0.0	1560 (a)	2000	78.0N(d)	80-120
Silver									
Sodium	855000	960000(b	11.6	0-20	855000	847000(b	25000	-32.0(c)	80-120
Strontium									
Thallium	0.0	0.0 (a)	NC	0-20	0.0	1440 (a)	2000	72.0N(d)	80-120
Tin									
Titanium									
Vanadium	12000	13600(a)	12.5	0-20	12000	12100(a)	500	20.0 (c)	80-120
Zinc									

Associated samples MP24565: FA1416-1

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) Elevated reporting limit(s) due to matrix interference.
(b) Elevated reporting limit(s) due to matrix interference. Above linear range.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(d) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24565 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/05/13

Metal	FA1415-1F Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	1860000	1970000a	27000	407.4(b)	7.4	20
Antimony	0.0	360 (a)	500	72.0N(c)	5.1	20
Arsenic	240	1850 (a)	2000	80.5	6.7	20
Barium	0.0	1630 (a)	2000	81.5	7.6	20
Beryllium	63.9	107 (a)	50	86.2	7.5	20
Cadmium	3540	3720 (a)	50	360.0(b)	7.0	20
Calcium	455000	496000(a	25000	164.0(b)	7.5	20
Chromium	3770	4100 (a)	200	165.0(b)	7.9	20
Cobalt						
Copper						
Iron	2420000	2510000a	26000	346.2(b)	7.4	20
Lead	0.0	377 (a)	500	75.4N(c)	13.6	20
Magnesium	1450000	1550000a	25000	400.0(b)	7.4	20
Manganese	51800	55500(a)	500	740.0(b)	7.9	20
Molybdenum						
Nickel	anr					
Potassium	506000	557000(a	25000	204.0(b)	7.1	20
Selenium	0.0	1670 (a)	2000	83.5	6.8	20
Silver						
Sodium	855000	909000(d	25000	216.0(b)	7.1	20
Strontium						
Thallium	0.0	1590 (a)	2000	79.5N(c)	9.9	20
Tin						
Titanium						
Vanadium	12000	13100(a)	500	220.0(b)	7.9	20
Zinc						

Associated samples MP24565: FA1416-1

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) Elevated reporting limit(s) due to matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) Spike recovery indicates possible matrix interference.
(d) Elevated reporting limit(s) due to matrix interference. Above linear range.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24565
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/05/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	29100	27000	107.8	80-120
Antimony	531	500	106.2	80-120
Arsenic	2070	2000	103.5	80-120
Barium	2210	2000	110.5	80-120
Beryllium	55.1	50	110.2	80-120
Cadmium	52.4	50	104.8	80-120
Calcium	27200	25000	108.8	80-120
Chromium	224	200	112.0	80-120
Cobalt				
Copper				
Iron	29100	26000	111.9	80-120
Lead	511	500	102.2	80-120
Magnesium	26700	25000	106.8	80-120
Manganese	562	500	112.4	80-120
Molybdenum				
Nickel	anr			
Potassium	26900	25000	107.6	80-120
Selenium	2150	2000	107.5	80-120
Silver				
Sodium	26800	25000	107.2	80-120
Strontium				
Thallium	2170	2000	108.5	80-120
Tin				
Titanium				
Vanadium	539	500	107.8	80-120
Zinc				

Associated samples MP24565: FA1416-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24565
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/05/13

Metal	FA1415-1F Original	SDL 10:50	%DIF	QC Limits
Aluminum	1860000	2420000	30.0*(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	240	342	42.5 (b)	0-10
Barium	0.00	0.00	NC	0-10
Beryllium	63.9	68.8	7.7	0-10
Cadmium	3540	4880	37.9*(a)	0-10
Calcium	455000	616000	35.2*(a)	0-10
Chromium	3770	5010	32.9*(a)	0-10
Cobalt				
Copper				
Iron	2420000	3310000	37.0*(a)	0-10
Lead	0.00	0.00	NC	0-10
Magnesium	1450000	1900000	30.8*(a)	0-10
Manganese	51800	71900	38.9*(a)	0-10
Molybdenum				
Nickel	anr			
Potassium	506000	640000	26.5*(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	855000	1090000	27.6*(a)	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	12000	16000	33.2*(a)	0-10
Zinc				

Associated samples MP24565: FA1416-1

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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24565
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/05/13

Metal	Sample ml	Final ml	FA1415-1F Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	1864000	1826720	1812000	0.2	125	2500	-588.8*a	80-120
Antimony	9.8	10	0	0	41.5	0.2	5	100	41.5*(a)	80-120
Arsenic	9.8	10	240.2	235.396	324.6	0.2	5	100	89.2	80-120
Barium	9.8	10	0	0	232	0.2	12.5	250	92.8	80-120
Beryllium	9.8	10	63.9	62.622	109.8	0.2	2.5	50	94.4	80-120
Cadmium	9.8	10	3535	3464.3	3499	0.2	2.5	50	69.4*(a)	80-120
Calcium	9.8	10	455400	446292	447300	0.2	250	5000	20.2*(a)	80-120
Chromium	9.8	10	3770	3694.6	3720	0.2	2.5	50	50.8*(a)	80-120
Cobalt										
Copper										
Iron	9.8	10	2419000	2370620	2352000	0.2	150	3000	-620.7*a	80-120
Lead	9.8	10	0	0	0	0.2	2.5	50	0.0* (a)	80-120
Magnesium	9.8	10	1452000	1422960	1412000	0.2	250	5000	-219.2*a	80-120
Manganese	9.8	10	51750	50715	50690	0.2	2.5	50	-50.0*(a	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	505900	495782	502700	0.2	500	10000	69.2*(a)	80-120
Selenium	9.8	10	0	0	71.1	0.2	5	100	71.1*(a)	80-120
Silver										
Sodium	9.8	10	855200	838096	841800	0.2	500	10000	37.0*(a)	80-120
Strontium										
Thallium	9.8	10	0	0	0	0.2	5	100	0.0* (a)	80-120
Tin										
Titanium										
Vanadium	9.8	10	12020	11779.6	11780	0.2	2.5	50	0.8* (a)	80-120
Zinc										

Associated samples MP24565: FA1416-1

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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1416
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
Chloride	GP20907/GN53976	2.0	0.0	mg/l	50	51.5	103.0	90-110%
Fluoride	GP20907/GN53976	0.20	0.0	mg/l	2.5	2.32	92.8	90-110%
Fluoride	GP20960/GN54101	1.0	0.0	mg/kg	24.9	23.9	96.1	90-110%
Nitrogen, Ammonia	GP20913/GN54012	0.10	0.0	mg/l	2.5	2.45	98.0	90-110%
Nitrogen, Ammonia	GP20971/GN54130	1.2	0.0	mg/kg	30	30.6	102.0	80-120%
Nitrogen, Nitrate	GP20907/GN53976	0.10	0.0	mg/l	2.5	2.43	97.2	90-110%
Nitrogen, Nitrate	GP20960/GN54101	1.0	0.0	mg/kg	24.9	24.7	99.3	90-110%
Nitrogen, Total Kjeldahl	GP20923/GN54037	0.53	0.0	mg/l	2.63	2.73	104.0	90-110%
Nitrogen, Total Kjeldahl	GP20924/GN54039	11	0.0	mg/kg	103	110	106.9	80-120%
Phosphorus, Total	GP20911/GN53995	0.10	0.0	mg/l	.300	0.27	91.5	81-118%
Phosphorus, Total	GP20954/GN54103	6.7	0.0	mg/kg	20.0	19.0	94.7	81-126%
Sulfate	GP20907/GN53976	2.0	0.0	mg/l	50	52.0	104.0	90-110%
Sulfate	GP20960/GN54101	20	0.0	mg/kg	498	513	103.1	90-110%

Associated Samples:
Batch GP20907: FA1416-1
Batch GP20911: FA1416-1
Batch GP20913: FA1416-1
Batch GP20923: FA1416-1
Batch GP20924: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
Batch GP20954: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
Batch GP20960: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
Batch GP20971: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1416
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
Phosphorus, Total	GP20911/GN53995	FA1229-1	mg/l	8.9	8.8	1.1	0-22%
Phosphorus, Total	GP20954/GN54103	FA1416-9	mg/kg	42300	42000	0.7	0-23%
Solids, Percent	GN53979	FA1254-9	%	75.3	75.1	0.3	0-5%
Solids, Percent	GN54006	FA1416-3	%	92.1	92.8	0.8	0-5%
pH	GN54102	FA1416-4	su	4.26	4.37	2.5	0-10%
pH	GN54157	FA1713-2	su	7.04	7.03	0.1	0-10%
pH	GN54201	FA1416-9	su	5.55	5.52	0.5	0-10%

Associated Samples:
Batch GN53979: FA1416-2
Batch GN54006: FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
Batch GN54102: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8
Batch GN54157: FA1416-1
Batch GN54201: FA1416-9
Batch GP20911: FA1416-1
Batch GP20954: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1416
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
Chloride	GP20907/GN53976	FA1395-1	mg/l	9.1	50	59.3	100.4	90-110%
Fluoride	GP20907/GN53976	FA1395-1	mg/l	0.14	2.5	1.9	70.4N(a)	90-110%
Fluoride	GP20960/GN54101	FA1416-2	mg/kg	87.9	28.5	94.3	22.5N(a)	90-110%
Nitrogen, Ammonia	GP20913/GN54012	FA1320-1	mg/l	0.10	2.5	2.5	96.0	90-110%
Nitrogen, Ammonia	GP20971/GN54130	FA1416-2	mg/kg	7.9	33	41.7	102.5	80-120%
Nitrogen, Nitrate	GP20907/GN53976	FA1395-1	mg/l	0.15	2.5	2.4	90.0	90-110%
Nitrogen, Nitrate	GP20960/GN54101	FA1416-2	mg/kg	9.4	28.5	28.4	66.8N(a)	90-110%
Nitrogen, Total Kjeldahl	GP20923/GN54037	FA1436-1	mg/l	2.1	2.63	4.7	99.0	90-110%
Nitrogen, Total Kjeldahl	GP20924/GN54039	FA1371-1	mg/kg	555	111	869	284.0(b)	80-120%
Phosphorus, Total	GP20911/GN53995	FA1229-1	mg/l	8.9	.300	9.2	83.6	81-118%
Phosphorus, Total	GP20954/GN54103	FA1416-9	mg/kg	42300	24.3	49300	29000.0(b)	81-126%
Sulfate	GP20907/GN53976	FA1395-1	mg/l	1.7	50	50.3	97.2	90-110%
Sulfate	GP20960/GN54101	FA1416-2	mg/kg	725	569	1150	74.7N(a)	90-110%

Associated Samples:
Batch GP20907: FA1416-1
Batch GP20911: FA1416-1
Batch GP20913: FA1416-1
Batch GP20923: FA1416-1
Batch GP20924: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
Batch GP20954: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
Batch GP20960: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
Batch GP20971: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
(*) 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: FA1416
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	GP20907/GN53976	FA1395-1	mg/l	9.1	50	59.2	0.2	
Fluoride	GP20907/GN53976	FA1395-1	mg/l	0.14	2.5	1.9	0.0N(a)	
Fluoride	GP20960/GN54101	FA1416-2	mg/kg	87.9	28.5	91.1	3.5N(a)	
Nitrogen, Ammonia	GP20913/GN54012	FA1320-1	mg/l	0.10	2.5	2.5	0.0	20%
Nitrogen, Ammonia	GP20971/GN54130	FA1416-2	mg/kg	7.9	33.6	34.4	19.2N(a)	30%
Nitrogen, Nitrate	GP20907/GN53976	FA1395-1	mg/l	0.15	2.5	2.4	0.0	
Nitrogen, Nitrate	GP20960/GN54101	FA1416-2	mg/kg	9.4	28.5	32.8	14.4N(a)	
Nitrogen, Total Kjeldahl	GP20923/GN54037	FA1436-1	mg/l	2.1	2.63	4.3	8.9N(a)	20%
Nitrogen, Total Kjeldahl	GP20924/GN54039	FA1371-1	mg/kg	555	113	812	6.8(b)	30%
Phosphorus, Total	GP20911/GN53995	FA1229-1	mg/l	8.9	.300	9.22	0.5	22%
Phosphorus, Total	GP20954/GN54103	FA1416-9	mg/kg	42300	24.3	49300	11.5	23%
Sulfate	GP20907/GN53976	FA1395-1	mg/l	1.7	50	50.2	0.2	
Sulfate	GP20960/GN54101	FA1416-2	mg/kg	725	569	1080	6.3N(a)	

Associated Samples:
Batch GP20907: FA1416-1
Batch GP20911: FA1416-1
Batch GP20913: FA1416-1
Batch GP20923: FA1416-1
Batch GP20924: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
Batch GP20954: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
Batch GP20960: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
Batch GP20971: FA1416-2, FA1416-3, FA1416-4, FA1416-5, FA1416-6, FA1416-7, FA1416-8, FA1416-9
(*) 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: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313020201.TXT Date Analyzed: 02/02/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN53976
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:16	GN53976-CCV1	1		
13:32	GN53976-CCB1	1		
13:48	GP20907-MB1	1		
14:04	GP20907-B1	1		
14:52	FA1395-1	1		(sample used for QC only; not part of login FA1416)
15:07	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:39	ZZZZZZ	200		
15:55	ZZZZZZ	200		
16:11	FA1416-1	1		
16:27	GN53976-CCV2	1		
16:43	GN53976-CCB2	1		
16:59	GP20907-S1	1		
17:15	GP20907-S2	1		
17:31	GN53976-CCV3	1		
17:46	GN53976-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313020201.TXT Date Analyzed: 02/02/13 Methods: EPA 300/SW846 9056A
Run ID: GN53976 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN53976-CCV1	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN53976-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN53976-CCV1	Sulfate	51.9	2.0	0.60	50	103.8	90-110
GN53976-CCB1	Fluoride	0.060 U	0.20	0.060			
GN53976-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN53976-CCB1	Sulfate	0.60 U	2.0	0.60			
GN53976-CCV2	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN53976-CCV2	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN53976-CCV2	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN53976-CCB2	Fluoride	0.060 U	0.20	0.060			
GN53976-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN53976-CCB2	Sulfate	0.60 U	2.0	0.60			
GN53976-CCV3	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN53976-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN53976-CCV3	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN53976-CCB3	Fluoride	0.060 U	0.20	0.060			
GN53976-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN53976-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020513AMN1.CSV Date Analyzed: 02/05/13 Methods: EPA 350.1
Analyst: TC Run ID: GN54012
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:26	GN54012-ICV1	1		
11:27	GN54012-CCV1	1		
11:28	GN54012-CCB1	1		
11:29	GP20913-MB1	1		
11:30	GP20913-B1	1		
11:31	FA1320-1	1		(sample used for QC only; not part of login FA1416)
11:32	GP20913-S1	1		
11:33	GP20913-S2	1		
11:34	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:36	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:39	GN54012-CCV2	1		
11:40	GN54012-CCB2	1		
11:41	ZZZZZZ	1		
11:42	ZZZZZZ	1		
11:43	ZZZZZZ	1		
11:44	ZZZZZZ	1		
11:45	ZZZZZZ	1		
11:46	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:48	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:51	GN54012-CCV3	1		
11:52	GN54012-CCB3	1		
11:53	FA1416-1	1		
11:54	ZZZZZZ	1		
11:55	GN54012-CCV4	1		
11:56	GN54012-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020513AMN1.CSV Date Analyzed: 02/05/13 Methods: EPA 350.1
Run ID: GN54012 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54012-ICV1	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54012-CCV1	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54012-CCB1	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54012-CCV2	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54012-CCB2	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54012-CCV3	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54012-CCB3	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54012-CCV4	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54012-CCB4	Nitrogen, Ammonia	0.030 U	0.10	0.030			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020713TKN1.CSV Date Analyzed: 02/07/13 Methods: EPA 351.2
Analyst: MG Run ID: GN54037
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:43	GN54037-ICV1	1		
10:44	GN54037-CCV1	1		
10:45	GN54037-CCB1	1		
10:46	GP20923-MB1	1		
10:47	GP20923-B1	1		
10:48	FA1436-1	1		(sample used for QC only; not part of login FA1416)
10:50	GP20923-S1	1		
10:51	GP20923-S2	1		
10:52	FA1416-1	1		
10:53	GN54037-CCV2	1		
10:54	GN54037-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020713TKN1.CSV Date Analyzed: 02/07/13 Methods: EPA 351.2
Run ID: GN54037 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54037-ICV1	Nitrogen, Total Kjeldahl	2.6	0.50	0.16	2.5	104.0	90-110
GN54037-CCV1	Nitrogen, Total Kjeldahl	2.6	0.50	0.16	2.5	104.0	90-110
GN54037-CCB1	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54037-CCV2	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54037-CCB2	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020713TKN2.CSV Date Analyzed: 02/07/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54039
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:06	GN54039-ICV1	1		
11:07	GN54039-CCV1	1		
11:09	GN54039-CCB1	1		
11:10	GP20924-MB1	1		
11:11	GP20924-B1	1		
11:20	ZZZZZZ	1		
11:21	GN54039-CCV2	1		
11:22	GN54039-CCB2	1		
11:23	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:27	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:29	FA1416-2	1		
11:31	FA1416-3	1		
11:32	FA1416-4	1		
11:34	GN54039-CCV3	1		
11:35	GN54039-CCB3	1		
11:37	FA1416-7	1		
11:44	GP20924-S1	5		
11:45	GP20924-S2	5		
11:46	ZZZZZZ	5		
11:47	GN54039-CCV4	1		
11:48	GN54039-CCB4	1		
11:49	FA1371-1	5		(sample used for QC only; not part of login FA1416)
11:52	ZZZZZZ	5		
11:53	ZZZZZZ	1		
11:54	ZZZZZZ	5		
11:55	FA1416-5	5		
11:56	FA1416-6	5		
11:57	FA1416-8	5		
11:58	FA1416-9	5		
11:59	ZZZZZZ	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020713TKN2.CSV Date Analyzed: 02/07/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54039
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:01	GN54039-CCV5	1		
12:02	GN54039-CCB5	1		
12:03	ZZZZZZ	10		
12:04	GN54039-CCV6	1		
12:05	GN54039-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A020713TKN2.CSV Date Analyzed: 02/07/13 Methods: EPA 351.2 M
Run ID: GN54039 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54039-ICV1	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54039-CCV1	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54039-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54039-CCV2	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54039-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54039-CCV3	Nitrogen, Total Kjeldahl	2.7	0.25	0.10	2.5	108.0	90-110
GN54039-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54039-CCV4	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54039-CCB4	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54039-CCV5	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54039-CCB5	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54039-CCV6	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54039-CCB6	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54101
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:25	GN54101-CCV1	1		
09:41	GN54101-CCB1	1		
09:56	GP20959-MB1	1		
10:12	GP20959-B1	1		
11:00	FA1564-6	1		(sample used for QC only; not part of login FA1416)
11:16	ZZZZZZ	500		
11:32	ZZZZZZ	500		
11:48	ZZZZZZ	100		
12:04	GP20959-S1	1		
12:20	GP20959-S2	1		
12:35	GN54101-CCV2	1		
12:51	GN54101-CCB2	1		
13:11	GP20960-MB1	1		
13:27	GP20960-B1	1		
13:43	ZZZZZZ	5		
13:59	ZZZZZZ	25		
14:15	ZZZZZZ	5		
14:46	ZZZZZZ	10		
15:02	ZZZZZZ	10		
15:18	ZZZZZZ	10		
15:50	GN54101-CCV3	1		
16:06	GN54101-CCB3	1		
16:38	ZZZZZZ	2		
17:25	ZZZZZZ	10		
17:41	ZZZZZZ	5		
17:57	ZZZZZZ	25		
18:13	ZZZZZZ	25		
18:29	FA1416-2	5		
19:01	GN54101-CCV4	1		
19:17	GN54101-CCB4	1		
19:33	FA1416-3	5		
19:49	FA1416-4	5		
20:04	FA1416-5	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54101
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:20	FA1416-6	5		
20:36	FA1416-7	5		
20:52	FA1416-8	5		
21:08	FA1416-9	5		
21:24	GP20960-S1	5		
21:40	GP20960-S2	5		
22:12	GN54101-CCV5	1		
22:27	GN54101-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Run ID: GN54101 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54101-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54101-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54101-CCV1	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN54101-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54101-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV2	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54101-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54101-CCV2	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54101-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54101-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54101-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54101-CCV3	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54101-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54101-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV4	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54101-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54101-CCV4	Sulfate	51.1	2.0	0.60	50	102.2	90-110
GN54101-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54101-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54101-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54101-CCV5	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54101-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54101-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021313AMN1.CSV Date Analyzed: 02/13/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54130
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:46	GN54130-ICV1	1		
14:47	GN54130-CCV1	1		
14:48	GN54130-CCB1	1		
14:49	GP20971-MB1	1		
14:50	GP20971-B1	1		
14:51	GP20971-S1	1		
14:53	GP20971-S2	1		
14:54	FA1416-2	1		
14:55	ZZZZZZ	1		
14:56	ZZZZZZ	1		
14:57	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:00	GN54130-CCV2	1		
15:01	GN54130-CCB2	1		
15:02	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:08	FA1416-3	1		
15:09	FA1416-4	1		
15:12	GN54130-CCV3	1		
15:13	GN54130-CCB3	1		
15:17	ZZZZZZ	1		
15:18	ZZZZZZ	2		
15:19	FA1416-5	5		
15:20	FA1416-6	2		
15:21	FA1416-7	2		
15:22	FA1416-8	2		
15:23	FA1416-9	5		
15:24	GN54130-CCV4	1		
15:25	GN54130-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021313AMN1.CSV Date Analyzed: 02/13/13 Methods: EPA 350.1 M
Run ID: GN54130 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54130-ICV1	Nitrogen, Ammonia	2.6	0.10	0.022	2.5	104.0	90-110
GN54130-CCV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54130-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54130-CCV2	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54130-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54130-CCV3	Nitrogen, Ammonia	2.6	0.10	0.022	2.5	104.0	90-110
GN54130-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54130-CCV4	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54130-CCB4	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54142
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:46	GN54142-CCV1	1		
11:02	GN54142-CCB1	1		
11:18	GP20974-MB1	1		
12:07	GP20974-B1	1		
12:54	FA1526-1	1		(sample used for QC only; not part of login FA1416)
13:10	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:42	GP20974-S1	1		
13:58	GP20974-S2	1		
14:14	GN54142-CCV2	1		
14:29	GN54142-CCB2	1		
15:14	GP20972-MB1	1		
15:30	GP20972-B1	1		
16:15	FA1371-12	25		(sample used for QC only; not part of login FA1416)
16:31	GP20947-S3	25		
16:47	GP20947-S4	25		
17:19	FA1416-5	10		
17:35	ZZZZZZ	5		
17:50	ZZZZZZ	5		
18:22	GN54142-CCV3	1		
18:38	GN54142-CCB3	1		
18:54	ZZZZZZ	5		
19:10	FA1446-4	5		(sample used for QC only; not part of login FA1416)
19:26	ZZZZZZ	5		
19:42	ZZZZZZ	5		
19:58	ZZZZZZ	5		
20:14	ZZZZZZ	5		
20:29	ZZZZZZ	5		
20:45	ZZZZZZ	5		
21:01	ZZZZZZ	5		
21:33	GN54142-CCV4	1		
21:49	GN54142-CCB4	1		
22:05	FA1466-6	5		(sample used for QC only; not part of login FA1416)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54142
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:21	GP20972-S1	5		
22:37	GP20972-S2	5		
22:52	GP20972-S3	5		
23:08	GP20972-S4	5		
23:40	GN54142-CCV5	1		
23:56	GN54142-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Run ID: GN54142 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54142-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54142-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54142-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54142-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54142-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54142-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54142-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54142-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54142-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54142-CCB5	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130201.TXT Date Analyzed: 02/13/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54163
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:19	GN54163-CCV1	1		
10:34	GN54163-CCB1	1		
10:50	GP20979-MB1	1		
11:06	GP20979-B1	1		
11:54	ZZZZZZ	1		
12:10	ZZZZZZ	10		
12:26	ZZZZZZ	1		
12:42	ZZZZZZ	5		
12:57	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:29	GN54163-CCV2	1		
13:45	GN54163-CCB2	1		
14:01	ZZZZZZ	1		
14:17	FA1673-6	1		(sample used for QC only; not part of login FA1416)
14:33	ZZZZZZ	1		
14:49	ZZZZZZ	1		
15:05	FA1673-13	1		(sample used for QC only; not part of login FA1416)
15:20	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:52	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:24	ZZZZZZ	2		
16:40	GN54163-CCV3	1		
16:56	GN54163-CCB3	1		
17:12	ZZZZZZ	5		
17:28	ZZZZZZ	5		
17:44	ZZZZZZ	5		
17:59	ZZZZZZ	5		
18:15	GP20979-S1	1		
18:31	GP20979-S2	1		
18:47	GP20979-S3	1		
19:03	GP20979-S4	1		
19:19	GN54163-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130201.TXT Date Analyzed: 02/13/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54163
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:35	GN54163-CCB4	1		
19:51	FA1416-4	50		
20:07	ZZZZZZ	25		
20:23	ZZZZZZ	25		
20:38	ZZZZZZ	25		
20:54	FA1466-6	50		(sample used for QC only; not part of login FA1416)
21:10	GP20972-S3	50		
21:26	GP20972-S4	50		
21:58	GN54163-CCV5	1		
22:14	GN54163-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1416
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130201.TXT Date Analyzed: 02/13/13 Methods: EPA 300/SW846 9056A
Run ID: GN54163 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54163-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54163-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54163-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54163-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54163-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54163-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCB5	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA1416
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1416-2 **Analyzed:** 04-FEB-13 by LE **Method:** SM19 2540G
ClientID: A-40 (0-1)

Wet Weight (Total)	6.92	g
Tare Weight	1	g
Dry Weight (Total)	6.18	g
Solids, Percent	87.5	%

Sample: FA1416-3 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-40 (1-2)

Wet Weight (Total)	10.29	g
Tare Weight	1	g
Dry Weight (Total)	9.56	g
Solids, Percent	92.1	%

Sample: FA1416-4 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-40 (4-5)

Wet Weight (Total)	7.71	g
Tare Weight	1.01	g
Dry Weight (Total)	6.72	g
Solids, Percent	85.2	%

Sample: FA1416-5 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-40 (5-6)

Wet Weight (Total)	6.11	g
Tare Weight	1.02	g
Dry Weight (Total)	5.68	g
Solids, Percent	91.6	%

Sample: FA1416-6 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-40 (9-10)

Wet Weight (Total)	9.62	g
Tare Weight	1.02	g
Dry Weight (Total)	7.9	g
Solids, Percent	80	%

Sample: FA1416-7 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-2/1/13

Wet Weight (Total)	6.55	g
Tare Weight	1.03	g
Dry Weight (Total)	5.51	g
Solids, Percent	81.2	%

Percent Solids Raw Data Summary

Job Number: FA1416
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1416-8 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-40 (7-8)

Wet Weight (Total)	6.87	g
Tare Weight	1.03	g
Dry Weight (Total)	5.83	g
Solids, Percent	82.2	%

Sample: FA1416-9 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-40 (14-15)

Wet Weight (Total)	8.42	g
Tare Weight	1.02	g
Dry Weight (Total)	7.11	g
Solids, Percent	82.3	%

Southeast ACCUTEST LABORATORIES

02/20/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA1446

Sampling Dates: 02/01/13 - 02/02/13

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: **89**

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.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **10**
Section 4: Sample Results **15**
4.1: FA1446-1: A-39 (0-1) 16
4.2: FA1446-2: A-39 (1-2) 18
4.3: FA1446-3: A-39 (4-5) 20
4.4: FA1446-4: A-39 (9-10) 22
4.5: FA1446-5: A-41 (0-1) 24
4.6: FA1446-6: A-41 (1-2) 26
4.7: FA1446-7: A-41 (4-5) 28
4.8: FA1446-8: A-41 (9-10) 30
Section 5: Misc. Forms **32**
5.1: Chain of Custody 33
Section 6: Metals Analysis - QC Data Summaries **36**
6.1: Inst QC MA10516: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,Zn 37
6.2: Inst QC MA10519: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,Zn 50
6.3: Prep QC MP24568: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,Zn 66
Section 7: General Chemistry - QC Data Summaries **72**
7.1: Method Blank and Spike Results Summary 73
7.2: Duplicate Results Summary 74
7.3: Matrix Spike Results Summary 75
7.4: Matrix Spike Duplicate Results Summary 76
7.5: Inst QC GN54106: Nitrogen, Total Kjeldahl 77
7.6: Inst QC GN54142: Fluoride,Nitrogen, Nitrate,Sulfate 79
7.7: Inst QC GN54163: Fluoride,Sulfate 82
7.8: Inst QC GN54202: Nitrogen, Ammonia 85
7.9: Percent Solids Raw Data Summary 88

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA1446

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
FA1446-1	02/01/13	16:10	IP	02/05/13	SO	Soil	A-39 (0-1)
FA1446-2	02/01/13	16:12	IP	02/05/13	SO	Soil	A-39 (1-2)
FA1446-3	02/01/13	16:14	IP	02/05/13	SO	Soil	A-39 (4-5)
FA1446-4	02/01/13	16:35	IP	02/05/13	SO	Soil	A-39 (9-10)
FA1446-5	02/02/13	15:40	IP	02/05/13	SO	Soil	A-41 (0-1)
FA1446-6	02/02/13	15:42	IP	02/05/13	SO	Soil	A-41 (1-2)
FA1446-7	02/02/13	15:45	IP	02/05/13	SO	Soil	A-41 (4-5)
FA1446-8	02/02/13	15:47	IP	02/05/13	SO	Soil	A-41 (9-10)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA1446

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 2/20/2013 9:52:18 AM

8 Samples were collected on/between 02/01/2013 and 02/02/2013 and were received at Accutest on 02/05/2013 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of FA1446. 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: SO **Batch ID:** MP24568

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) FA1446-1DUP, FA1446-1MS, FA1446-1MSD, FA1446-1PS, FA1446-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Sodium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery(s) for Potassium, Lead are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Recovery(s) for Aluminum, Cadmium, Calcium, Chromium, Magnesium, Manganese, Zinc 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, Chromium, Iron, Magnesium, Manganese, Zinc 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 Calcium, Lead, Antimony, Beryllium are outside control limits for sample MP24568-D1. High RPD due to possible sample nonhomogeneity.

RPD(s) for MSD for Calcium, Chromium, Lead are outside control limits for sample MP24568-S2. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Antimony, Beryllium, Potassium, Selenium, Sodium, Aluminum, Barium, Cadmium, Calcium, Chromium, Iron, Magnesium, Manganese, Zinc are outside control limits for sample MP24568-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24568-D1 for Beryllium: RPD acceptable due to low duplicate and sample concentrations.
MP24568-D1 for Antimony: RPD acceptable due to low duplicate and sample concentrations.

MP24568-SD1 for Zinc: Serial dilution indicates possible matrix interference.

MP24568-SD1 for Manganese: Serial dilution indicates possible matrix interference.

MP24568-SD1 for Magnesium: Serial dilution indicates possible matrix interference.

MP24568-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24568-SD1 for Chromium: Serial dilution indicates possible matrix interference.

MP24568-SD1 for Calcium: Serial dilution indicates possible matrix interference.

MP24568-SD1 for Cadmium: Serial dilution indicates possible matrix interference.

MP24568-SD1 for Barium: Serial dilution indicates possible matrix interference.

MP24568-SD1 for Aluminum: Serial dilution indicates possible matrix interference.

MP24568-PS1 for Thallium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24568-PS1 for Chromium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24568-PS1 for Potassium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24568-PS1 for Sodium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24568

MP24568-PS1 for Barium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24568-PS1 for Aluminum: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24568-PS1 for Iron: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24568-PS1 for Manganese: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24568-PS1 for Magnesium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24568-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24568-PS1 for Zinc: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24568-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA1446-6 for Barium: Sample dilution required due to sample matrix.

FA1446-6 for Lead: Sample dilution required due to sample matrix.

FA1446-6 for Sodium: Sample dilution required due to sample matrix.

FA1446-6 for Selenium: Sample dilution required due to sample matrix.

FA1446-6 for Potassium: Sample dilution required due to sample matrix.

FA1446-6 for Nickel: Sample dilution required due to sample matrix.

FA1446-6 for Manganese: Sample dilution required due to sample matrix.

FA1446-6 for Magnesium: Sample dilution required due to sample matrix.

FA1446-6 for Thallium: Sample dilution required due to sample matrix.

FA1446-6 for Iron: Sample dilution required due to sample matrix.

FA1446-6 for Chromium: Sample dilution required due to sample matrix.

FA1446-6 for Calcium: Sample dilution required due to sample matrix.

FA1446-6 for Zinc: Sample dilution required due to sample matrix.

FA1446-6 for Beryllium: Sample dilution required due to sample matrix.

FA1446-7 for Cadmium: Sample dilution required due to sample matrix.

FA1446-6 for Arsenic: Sample dilution required due to sample matrix.

FA1446-6 for Antimony: Sample dilution required due to sample matrix.

FA1446-6 for Aluminum: Sample dilution required due to sample matrix.

FA1446-6 for Cadmium: Sample dilution required due to sample matrix.

FA1446-7 for Magnesium: Sample dilution required due to sample matrix.

FA1446-8 for Antimony: Sample dilution required due to sample matrix.

FA1446-8 for Aluminum: Sample dilution required due to sample matrix.

FA1446-7 for Zinc: Sample dilution required due to sample matrix.

FA1446-7 for Thallium: Sample dilution required due to sample matrix.

FA1446-7 for Sodium: Sample dilution required due to sample matrix.

FA1446-7 for Selenium: Sample dilution required due to sample matrix.

FA1446-7 for Potassium: Sample dilution required due to sample matrix.

FA1446-7 for Barium: Sample dilution required due to sample matrix.

FA1446-7 for Manganese: Sample dilution required due to sample matrix.

FA1446-7 for Aluminum: Sample dilution required due to sample matrix.

FA1446-3 for Zinc: Elevated reporting limit(s) due to matrix interference.

FA1446-7 for Iron: Sample dilution required due to sample matrix.

FA1446-7 for Calcium: Sample dilution required due to sample matrix.

FA1446-5 for Manganese: Sample dilution required due to sample matrix.

FA1446-7 for Beryllium: Sample dilution required due to sample matrix.

FA1446-5 for Zinc: Sample dilution required due to sample matrix.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24568

FA1446-7 for Arsenic: Sample dilution required due to sample matrix.
FA1446-7 for Antimony: Sample dilution required due to sample matrix.
FA1446-7 for Nickel: Sample dilution required due to sample matrix.
FA1446-4 for Beryllium: Sample dilution required due to sample matrix.
FA1446-5 for Potassium: Sample dilution required due to sample matrix.
FA1446-4 for Nickel: Sample dilution required due to sample matrix.
FA1446-4 for Manganese: Sample dilution required due to sample matrix.
FA1446-4 for Magnesium: Sample dilution required due to sample matrix.
FA1446-4 for Lead: Sample dilution required due to sample matrix.
FA1446-4 for Iron: Sample dilution required due to sample matrix.
FA1446-4 for Chromium: Sample dilution required due to sample matrix.
FA1446-4 for Selenium: Sample dilution required due to sample matrix.
FA1446-4 for Cadmium: Sample dilution required due to sample matrix.
FA1446-4 for Sodium: Sample dilution required due to sample matrix.
FA1446-4 for Barium: Sample dilution required due to sample matrix.
FA1446-4 for Arsenic: Sample dilution required due to sample matrix.
FA1446-4 for Antimony: Sample dilution required due to sample matrix.
FA1446-4 for Aluminum: Sample dilution required due to sample matrix.
FA1446-3 for Lead: Sample dilution required due to sample matrix.
FA1446-2 for Lead: Sample dilution required due to sample matrix.
FA1446-1 for Lead: Sample dilution required due to sample matrix.
FA1446-4 for Calcium: Sample dilution required due to sample matrix.
FA1446-5 for Calcium: Sample dilution required due to sample matrix.
FA1446-5 for Sodium: Sample dilution required due to sample matrix.
FA1446-5 for Selenium: Sample dilution required due to sample matrix.
FA1446-8 for Arsenic: Sample dilution required due to sample matrix.
FA1446-5 for Nickel: Sample dilution required due to sample matrix.
FA1446-7 for Lead: Sample dilution required due to sample matrix.
FA1446-5 for Magnesium: Sample dilution required due to sample matrix.
FA1446-5 for Lead: Sample dilution required due to sample matrix.
FA1446-4 for Potassium: Sample dilution required due to sample matrix.
FA1446-5 for Chromium: Sample dilution required due to sample matrix.
FA1446-5 for Thallium: Sample dilution required due to sample matrix.
FA1446-5 for Cadmium: Sample dilution required due to sample matrix.
FA1446-5 for Beryllium: Sample dilution required due to sample matrix.
FA1446-5 for Barium: Sample dilution required due to sample matrix.
FA1446-5 for Arsenic: Sample dilution required due to sample matrix.
FA1446-5 for Antimony: Sample dilution required due to sample matrix.
FA1446-5 for Aluminum: Sample dilution required due to sample matrix.
FA1446-4 for Zinc: Sample dilution required due to sample matrix.
FA1446-4 for Thallium: Sample dilution required due to sample matrix.
FA1446-5 for Iron: Sample dilution required due to sample matrix.
FA1446-8 for Barium: Sample dilution required due to sample matrix.
FA1446-2 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Nickel: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24568

FA1446-2 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1446-7 for Chromium: Sample dilution required due to sample matrix.
FA1446-3 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Zinc: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1446-3 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1446-2 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1446-1 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1446-1 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1446-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1446-1 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1446-1 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1446-8 for Zinc: Sample dilution required due to sample matrix.
FA1446-8 for Thallium: Sample dilution required due to sample matrix.
FA1446-8 for Sodium: Sample dilution required due to sample matrix.
FA1446-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1446-8 for Potassium: Sample dilution required due to sample matrix.
FA1446-8 for Selenium: Sample dilution required due to sample matrix.
FA1446-8 for Nickel: Sample dilution required due to sample matrix.
FA1446-8 for Manganese: Sample dilution required due to sample matrix.
FA1446-8 for Magnesium: Sample dilution required due to sample matrix.
FA1446-8 for Lead: Sample dilution required due to sample matrix.
FA1446-8 for Iron: Sample dilution required due to sample matrix.
FA1446-8 for Chromium: Sample dilution required due to sample matrix.
FA1446-8 for Calcium: Sample dilution required due to sample matrix.
FA1446-8 for Cadmium: Sample dilution required due to sample matrix.
FA1446-8 for Beryllium: Sample dilution required due to sample matrix.
FA1446-1 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1446-1 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1446-1 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1446-1 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1446-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24568

FA1446-1 for Manganese: Elevated reporting limit(s) due to matrix interference.

FA1446-1 for Zinc: Elevated reporting limit(s) due to matrix interference.

FA1446-1 for Potassium: Elevated reporting limit(s) due to matrix interference.

FA1446-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA1446-1 for Sodium: Elevated reporting limit(s) due to matrix interference.

FA1446-1 for Thallium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: SO **Batch ID:** GP20972

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) FA1446-4MS, FA1446-4MSD were used as the QC samples for Nitrogen, Nitrate, Fluoride, Sulfate.

Matrix Spike Recovery(s) for Fluoride, Sulfate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Matrix Spike Duplicate Recovery(s) for Fluoride are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA1446-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1446-3 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1446-4 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1446-8 for Fluoride: Dilution required due to matrix interference.

FA1446-8 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP20995

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) FA1446-4MS, FA1446-4MSD were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 351.2 M

Matrix: SO **Batch ID:** GP20934

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) FA1446-1MS, FA1446-1MSD were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl 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 EPA 365.3M

Matrix: SO **Batch ID:** GP20962

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) FA1446-2MS, FA1446-2MSD, FA1446-2DUP were used as the QC samples for Phosphorus, Total.

Matrix Spike Recovery 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 SM19 2540G

Matrix: SO **Batch ID:** GN54006

Sample(s) FA1446-1DUP was used as the QC sample for Solids, Percent.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54216

Sample(s) FA1446-1DUP was used as the QC sample for pH.

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: February 20, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1446
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/01/13 thru 02/02/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1446-1	**A-39 (0-1)**					
Aluminum [a]		15300	210	21	mg/kg	SW846 6010C
Antimony [a]		2.6 J	21	2.0	mg/kg	SW846 6010C
Arsenic [a]		9.5 J	10	1.7	mg/kg	SW846 6010C
Barium [a]		157 J	210	5.2	mg/kg	SW846 6010C
Beryllium [a]		0.70 J	5.2	0.52	mg/kg	SW846 6010C
Cadmium [a]		26.0	4.1	0.52	mg/kg	SW846 6010C
Calcium [a]		122000	5200	52	mg/kg	SW846 6010C
Chromium [a]		151	10	1.9	mg/kg	SW846 6010C
Iron [a]		16900	310	72	mg/kg	SW846 6010C
Lead [b]		97.3	5.2	0.28	mg/kg	SW846 6010C
Magnesium [a]		6270	5200	79	mg/kg	SW846 6010C
Manganese [a]		303	16	0.93	mg/kg	SW846 6010C
Nickel [a]		25.4 J	41	0.52	mg/kg	SW846 6010C
Potassium [a]		4800 J	10000	210	mg/kg	SW846 6010C
Selenium [a]		3.3 J	21	3.1	mg/kg	SW846 6010C
Sodium [a]		3470 J	10000	520	mg/kg	SW846 6010C
Zinc [a]		798	21	3.1	mg/kg	SW846 6010C
Fluoride		97.5	5.9	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		120	2.8	0.61	mg/kg	EPA 350.1 M
Nitrogen, Nitrate [c]		5.0 J	5.9	3.0	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		655	58	23	mg/kg	EPA 351.2 M
Phosphorus, Total		41900	13000	2100	mg/kg	EPA 365.3M
Sulfate		16900	590	180	mg/kg	EPA 300/SW846 9056A
pH		5.21			su	SW846 9045D
FA1446-2	**A-39 (1-2)**					
Aluminum [a]		6770	110	11	mg/kg	SW846 6010C
Antimony [a]		2.9 J	11	1.0	mg/kg	SW846 6010C
Arsenic [a]		8.1	5.4	0.86	mg/kg	SW846 6010C
Barium [a]		307	110	2.7	mg/kg	SW846 6010C
Beryllium [a]		0.38 J	2.7	0.27	mg/kg	SW846 6010C
Cadmium [a]		38.8	2.2	0.27	mg/kg	SW846 6010C
Calcium [a]		40400	2700	27	mg/kg	SW846 6010C
Chromium [a]		92.6	5.4	0.97	mg/kg	SW846 6010C
Iron [a]		10200	160	38	mg/kg	SW846 6010C
Lead [b]		126	5.4	0.30	mg/kg	SW846 6010C
Magnesium [a]		2330 J	2700	41	mg/kg	SW846 6010C
Manganese [a]		111	8.1	0.49	mg/kg	SW846 6010C
Nickel [a]		10.3 J	22	0.27	mg/kg	SW846 6010C
Potassium [a]		2580 J	5400	110	mg/kg	SW846 6010C
Selenium [a]		2.6 J	11	1.6	mg/kg	SW846 6010C
Sodium [a]		1730 J	5400	270	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1446
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/01/13 thru 02/02/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Zinc [a]	539	11	1.6	mg/kg	SW846 6010C
Fluoride	462	34	8.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	182	3.1	0.68	mg/kg	EPA 350.1 M
Nitrogen, Nitrate	6.9	6.7	3.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	647	69	28	mg/kg	EPA 351.2 M
Phosphorus, Total	15300	6100	950	mg/kg	EPA 365.3M
Sulfate	19100	670	200	mg/kg	EPA 300/SW846 9056A
pH	4.16			su	SW846 9045D
FA1446-3 A-39 (4-5)					
Aluminum [a]	28900	230	23	mg/kg	SW846 6010C
Arsenic [a]	5.0 J	11	1.8	mg/kg	SW846 6010C
Barium [a]	118 J	230	5.7	mg/kg	SW846 6010C
Beryllium [a]	3.3 J	5.7	0.57	mg/kg	SW846 6010C
Cadmium [a]	86.8	4.5	0.57	mg/kg	SW846 6010C
Calcium [a]	33900	5700	57	mg/kg	SW846 6010C
Chromium [a]	283	11	2.0	mg/kg	SW846 6010C
Iron [a]	17900	340	79	mg/kg	SW846 6010C
Lead [b]	7.8	5.7	0.31	mg/kg	SW846 6010C
Magnesium [a]	1570 J	5700	86	mg/kg	SW846 6010C
Manganese [a]	172	17	1.0	mg/kg	SW846 6010C
Nickel [a]	17.0 J	45	0.57	mg/kg	SW846 6010C
Potassium [a]	7130 J	11000	230	mg/kg	SW846 6010C
Sodium [a]	1210 J	11000	570	mg/kg	SW846 6010C
Zinc [a]	701	23	3.4	mg/kg	SW846 6010C
Fluoride	33.7	5.9	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	435	14	3.1	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	1420	120	48	mg/kg	EPA 351.2 M
Phosphorus, Total	36900	15000	2300	mg/kg	EPA 365.3M
Sulfate	13900	590	180	mg/kg	EPA 300/SW846 9056A
pH	4.13			su	SW846 9045D
FA1446-4 A-39 (9-10)					
Aluminum [b]	9740	55	5.5	mg/kg	SW846 6010C
Arsenic [b]	4.5	2.8	0.44	mg/kg	SW846 6010C
Barium [b]	97.4	55	1.4	mg/kg	SW846 6010C
Beryllium [b]	0.64 J	1.4	0.14	mg/kg	SW846 6010C
Calcium [b]	29900	1400	14	mg/kg	SW846 6010C
Chromium [b]	15.0	2.8	0.50	mg/kg	SW846 6010C
Iron [b]	13700	83	19	mg/kg	SW846 6010C
Lead [b]	8.8	5.5	0.30	mg/kg	SW846 6010C
Magnesium [b]	8780	1400	21	mg/kg	SW846 6010C
Manganese [b]	402	4.1	0.25	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1446
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/01/13 thru 02/02/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nickel [b]		48.7	11	0.14	mg/kg	SW846 6010C
Potassium [b]		1760 J	2800	55	mg/kg	SW846 6010C
Sodium [b]		398 J	2800	140	mg/kg	SW846 6010C
Zinc [b]		49.1	5.5	0.83	mg/kg	SW846 6010C
Fluoride		47.0	6.0	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		184	7.1	1.6	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		774	61	24	mg/kg	EPA 351.2 M
Phosphorus, Total		3590	1500	230	mg/kg	EPA 365.3M
Sulfate		571	120	36	mg/kg	EPA 300/SW846 9056A
pH		6.42			su	SW846 9045D
FA1446-5	**A-41 (0-1)**					
Aluminum [b]		1770	43	4.3	mg/kg	SW846 6010C
Antimony [b]		0.79 J	4.3	0.41	mg/kg	SW846 6010C
Arsenic [b]		7.9	2.2	0.35	mg/kg	SW846 6010C
Barium [b]		10.3 J	43	1.1	mg/kg	SW846 6010C
Beryllium [b]		0.21 J	1.1	0.11	mg/kg	SW846 6010C
Cadmium [b]		6.3	0.87	0.11	mg/kg	SW846 6010C
Calcium [b]		119000	1100	11	mg/kg	SW846 6010C
Chromium [b]		46.8	2.2	0.39	mg/kg	SW846 6010C
Iron [b]		1960	65	15	mg/kg	SW846 6010C
Lead [b]		2.1 J	4.3	0.24	mg/kg	SW846 6010C
Magnesium [b]		66600	1100	16	mg/kg	SW846 6010C
Manganese [b]		61.0	3.3	0.20	mg/kg	SW846 6010C
Nickel [b]		22.7	8.7	0.11	mg/kg	SW846 6010C
Potassium [b]		366 J	2200	43	mg/kg	SW846 6010C
Sodium [b]		391 J	2200	110	mg/kg	SW846 6010C
Zinc [b]		129	4.3	0.65	mg/kg	SW846 6010C
Fluoride		16.5	5.3	1.3	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		4.3	1.2	0.27	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		9.5	5.3	2.7	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		440	53	21	mg/kg	EPA 351.2 M
Phosphorus, Total		4110	1300	200	mg/kg	EPA 365.3M
Sulfate		165	110	32	mg/kg	EPA 300/SW846 9056A
pH		7.33			su	SW846 9045D
FA1446-6	**A-41 (1-2)**					
Aluminum [b]		1120	50	5.0	mg/kg	SW846 6010C
Antimony [b]		0.83 J	5.0	0.47	mg/kg	SW846 6010C
Arsenic [b]		1.5 J	2.5	0.40	mg/kg	SW846 6010C
Barium [b]		64.4	50	1.2	mg/kg	SW846 6010C
Cadmium [b]		3.1	1.0	0.12	mg/kg	SW846 6010C
Calcium [b]		944 J	1200	12	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1446
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/01/13 thru 02/02/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Chromium [b]	49.4	2.5	0.45	mg/kg	SW846 6010C
Iron [b]	2960	75	17	mg/kg	SW846 6010C
Lead [b]	5.2	5.0	0.27	mg/kg	SW846 6010C
Magnesium [b]	180 J	1200	19	mg/kg	SW846 6010C
Manganese [b]	5.7	3.7	0.22	mg/kg	SW846 6010C
Nickel [b]	1.5 J	10	0.12	mg/kg	SW846 6010C
Potassium [b]	508 J	2500	50	mg/kg	SW846 6010C
Sodium [b]	141 J	2500	120	mg/kg	SW846 6010C
Thallium [b]	1.6 J	2.5	0.45	mg/kg	SW846 6010C
Zinc [b]	22.2	5.0	0.75	mg/kg	SW846 6010C
Fluoride	24.1	5.6	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	324	13	2.9	mg/kg	EPA 350.1 M
Nitrogen, Nitrate	28.9	5.6	2.8	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	352	12	4.6	mg/kg	EPA 351.2 M
Phosphorus, Total	9530	2300	360	mg/kg	EPA 365.3M
Sulfate	283	110	34	mg/kg	EPA 300/SW846 9056A
pH	4.14			su	SW846 9045D
FA1446-7 A-41 (4-5)					
Aluminum [b]	31700	67	6.7	mg/kg	SW846 6010C
Antimony [b]	3.4 J	6.7	0.64	mg/kg	SW846 6010C
Arsenic [b]	2.6 J	3.4	0.54	mg/kg	SW846 6010C
Barium [b]	385	67	1.7	mg/kg	SW846 6010C
Beryllium [b]	0.77 J	1.7	0.17	mg/kg	SW846 6010C
Cadmium [b]	30.1	1.3	0.17	mg/kg	SW846 6010C
Calcium [b]	399 J	1700	17	mg/kg	SW846 6010C
Chromium [b]	233	3.4	0.61	mg/kg	SW846 6010C
Iron [b]	8460	100	24	mg/kg	SW846 6010C
Lead [b]	18.7	6.7	0.37	mg/kg	SW846 6010C
Magnesium [b]	486 J	1700	26	mg/kg	SW846 6010C
Manganese [b]	7.9	5.1	0.30	mg/kg	SW846 6010C
Nickel [b]	3.2 J	13	0.17	mg/kg	SW846 6010C
Potassium [b]	3120 J	3400	67	mg/kg	SW846 6010C
Sodium [b]	406 J	3400	170	mg/kg	SW846 6010C
Zinc [b]	68.3	6.7	1.0	mg/kg	SW846 6010C
Fluoride	49.3	7.4	1.9	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	625	44	9.6	mg/kg	EPA 350.1 M
Nitrogen, Nitrate	8.0	7.4	3.7	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	3940	370	150	mg/kg	EPA 351.2 M
Phosphorus, Total	80700	26000	4100	mg/kg	EPA 365.3M
Sulfate	263	150	45	mg/kg	EPA 300/SW846 9056A
pH	2.93			su	SW846 9045D

Summary of Hits

Job Number: FA1446
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/01/13 thru 02/02/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1446-8	**A-41 (9-10)**					
Aluminum [b]		12600	49	4.9	mg/kg	SW846 6010C
Arsenic [b]		8.2	2.4	0.39	mg/kg	SW846 6010C
Barium [b]		72.7	49	1.2	mg/kg	SW846 6010C
Beryllium [b]		3.0	1.2	0.12	mg/kg	SW846 6010C
Cadmium [b]		12.1	0.98	0.12	mg/kg	SW846 6010C
Calcium [b]		69800	1200	12	mg/kg	SW846 6010C
Chromium [b]		128	2.4	0.44	mg/kg	SW846 6010C
Iron [b]		10600	73	17	mg/kg	SW846 6010C
Lead [b]		5.5	4.9	0.27	mg/kg	SW846 6010C
Magnesium [b]		6820	1200	19	mg/kg	SW846 6010C
Manganese [b]		413	3.7	0.22	mg/kg	SW846 6010C
Nickel [b]		199	9.8	0.12	mg/kg	SW846 6010C
Potassium [b]		2510	2400	49	mg/kg	SW846 6010C
Sodium [b]		392 J	2400	120	mg/kg	SW846 6010C
Zinc [b]		1250	4.9	0.73	mg/kg	SW846 6010C
Fluoride [c]		8.8	6.0	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		217	2.9	0.64	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		1530	120	48	mg/kg	EPA 351.2 M
Phosphorus, Total		75400	14000	2100	mg/kg	EPA 365.3M
Sulfate		186	120	36	mg/kg	EPA 300/SW846 9056A
pH		5.65			su	SW846 9045D

(a) Elevated reporting limit(s) due to matrix interference.
(b) Sample dilution required due to sample matrix.
(c) Dilution required due to matrix interference.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: A-39 (0-1)
Lab Sample ID: FA1446-1
Matrix: SO - Soil
Date Sampled: 02/01/13
Date Received: 02/05/13
Percent Solids: 84.7
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	15300	210	21	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	2.6 J	21	2.0	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	9.5 J	10	1.7	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	157 J	210	5.2	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.70 J	5.2	0.52	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	26.0	4.1	0.52	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	122000	5200	52	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	151	10	1.9	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	16900	310	72	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	97.3	5.2	0.28	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	6270	5200	79	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	303	16	0.93	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	25.4 J	41	0.52	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	4800 J	10000	210	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	3.3 J	21	3.1	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	3470 J	10000	520	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	1.9 U	10	1.9	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Zinc [a]	798	21	3.1	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10516
(2) Instrument QC Batch: MA10519
(3) Prep QC Batch: MP24568

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-39 (0-1)		
Lab Sample ID:	FA1446-1	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/05/13
		Percent Solids:	84.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	97.5	5.9	1.5	mg/kg	5	02/12/13 17:35	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	120	2.8	0.61	mg/kg	2	02/18/13 14:20	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	5.0 J	5.9	3.0	mg/kg	5	02/12/13 17:35	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	655	58	23	mg/kg	5	02/12/13 11:54	TC	EPA 351.2 M
Phosphorus, Total	41900	13000	2100	mg/kg	250	02/13/13 12:35	LE	EPA 365.3M
Solids, Percent	84.7			%	1	02/05/13	NO	SM19 2540G
Sulfate	16900	590	180	mg/kg	25	02/13/13 20:07	AA	EPA 300/SW846 9056A
pH	5.21			su	1	02/19/13 11:20	AC	SW846 9045D

(a) Dilution required 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-39 (1-2)
Lab Sample ID: FA1446-2
Matrix: SO - Soil
Date Sampled: 02/01/13
Date Received: 02/05/13
Percent Solids: 74.2
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	6770	110	11	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	2.9 J	11	1.0	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	8.1	5.4	0.86	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	307	110	2.7	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.38 J	2.7	0.27	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	38.8	2.2	0.27	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	40400	2700	27	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	92.6	5.4	0.97	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	10200	160	38	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	126	5.4	0.30	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	2330 J	2700	41	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	111	8.1	0.49	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	10.3 J	22	0.27	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	2580 J	5400	110	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	2.6 J	11	1.6	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	1730 J	5400	270	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	0.97 U	5.4	0.97	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Zinc [a]	539	11	1.6	mg/kg	10	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10516
(2) Instrument QC Batch: MA10519
(3) Prep QC Batch: MP24568

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-39 (1-2)		
Lab Sample ID:	FA1446-2	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/05/13
		Percent Solids:	74.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	462	34	8.4	mg/kg	25	02/13/13 20:23	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	182	3.1	0.68	mg/kg	2	02/18/13 14:21	VK	EPA 350.1 M
Nitrogen, Nitrate	6.9	6.7	3.4	mg/kg	5	02/12/13 17:50	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	647	69	28	mg/kg	5	02/12/13 11:59	TC	EPA 351.2 M
Phosphorus, Total	15300	6100	950	mg/kg	100	02/13/13 12:35	LE	EPA 365.3M
Solids, Percent	74.2			%	1	02/05/13	NO	SM19 2540G
Sulfate	19100	670	200	mg/kg	25	02/13/13 20:23	AA	EPA 300/SW846 9056A
pH	4.16			su	1	02/19/13 11:20	AC	SW846 9045D

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-39 (4-5)		
Lab Sample ID:	FA1446-3	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/05/13
		Percent Solids:	84.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	28900	230	23	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	2.1 U	23	2.1	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	5.0 J	11	1.8	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	118 J	230	5.7	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	3.3 J	5.7	0.57	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	86.8	4.5	0.57	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	33900	5700	57	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	283	11	2.0	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	17900	340	79	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	7.8	5.7	0.31	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	1570 J	5700	86	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	172	17	1.0	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	17.0 J	45	0.57	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	7130 J	11000	230	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	3.4 U	23	3.4	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	1210 J	11000	570	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	25 U	50	25	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Zinc [a]	701	23	3.4	mg/kg	20	02/05/13	02/07/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10516
(2) Instrument QC Batch: MA10519
(3) Prep QC Batch: MP24568

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-39 (4-5)		
Lab Sample ID:	FA1446-3	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/05/13
		Percent Solids:	84.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	33.7	5.9	1.5	mg/kg	5	02/12/13 18:54	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	435	14	3.1	mg/kg	10	02/18/13 14:22	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.0 U	5.9	3.0	mg/kg	5	02/12/13 18:54	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	1420	120	48	mg/kg	10	02/12/13 12:01	TC	EPA 351.2 M
Phosphorus, Total	36900	15000	2300	mg/kg	250	02/13/13 12:35	LE	EPA 365.3M
Solids, Percent	84.2			%	1	02/05/13	NO	SM19 2540G
Sulfate	13900	590	180	mg/kg	25	02/13/13 20:38	AA	EPA 300/SW846 9056A
pH	4.13			su	1	02/19/13 11:20	AC	SW846 9045D

(a) Dilution required 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-39 (9-10)
Lab Sample ID: FA1446-4
Matrix: SO - Soil
Date Sampled: 02/01/13
Date Received: 02/05/13
Percent Solids: 83.0
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	9740	55	5.5	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.53 U	5.5	0.53	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.5	2.8	0.44	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	97.4	55	1.4	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.64 J	1.4	0.14	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	0.14 U	1.1	0.14	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	29900	1400	14	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	15.0	2.8	0.50	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	13700	83	19	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	8.8	5.5	0.30	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	8780	1400	21	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	402	4.1	0.25	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	48.7	11	0.14	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1760 J	2800	55	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.83 U	5.5	0.83	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	398 J	2800	140	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.50 U	2.8	0.50	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc [a]	49.1	5.5	0.83	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10516
(2) Prep QC Batch: MP24568

(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-39 (9-10)		
Lab Sample ID:	FA1446-4	**Date Sampled:**	02/01/13
Matrix:	SO - Soil	**Date Received:**	02/05/13
		Percent Solids:	83.0
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	47.0	6.0	1.5	mg/kg	5	02/12/13 19:10	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	184	7.1	1.6	mg/kg	5	02/18/13 14:19	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.0 U	6.0	3.0	mg/kg	5	02/12/13 19:10	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	774	61	24	mg/kg	5	02/12/13 12:02	TC	EPA 351.2 M
Phosphorus, Total	3590	1500	230	mg/kg	25	02/13/13 12:35	LE	EPA 365.3M
Solids, Percent	83			%	1	02/05/13	NO	SM19 2540G
Sulfate	571	120	36	mg/kg	5	02/12/13 19:10	AA	EPA 300/SW846 9056A
pH	6.42			su	1	02/19/13 11:20	AC	SW846 9045D

(a) Dilution required 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-41 (0-1)
Lab Sample ID: FA1446-5
Matrix: SO - Soil
Date Sampled: 02/02/13
Date Received: 02/05/13
Percent Solids: 94.5
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	1770	43	4.3	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.79 J	4.3	0.41	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	7.9	2.2	0.35	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	10.3 J	43	1.1	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.21 J	1.1	0.11	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	6.3	0.87	0.11	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	119000	1100	11	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	46.8	2.2	0.39	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	1960	65	15	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	2.1 J	4.3	0.24	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	66600	1100	16	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	61.0	3.3	0.20	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	22.7	8.7	0.11	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	366 J	2200	43	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.65 U	4.3	0.65	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	391 J	2200	110	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.39 U	2.2	0.39	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc [a]	129	4.3	0.65	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10516
(2) Prep QC Batch: MP24568

(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-41 (0-1)
Lab Sample ID: FA1446-5
Matrix: SO - Soil
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Date Sampled: 02/02/13
Date Received: 02/05/13
Percent Solids: 94.5

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	16.5	5.3	1.3	mg/kg	5	02/12/13 19:26	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	4.3	1.2	0.27	mg/kg	1	02/18/13 13:32	VK	EPA 350.1 M
Nitrogen, Nitrate	9.5	5.3	2.7	mg/kg	5	02/12/13 19:26	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	440	53	21	mg/kg	5	02/12/13 12:03	TC	EPA 351.2 M
Phosphorus, Total	4110	1300	200	mg/kg	25	02/13/13 12:35	LE	EPA 365.3M
Solids, Percent	94.5			%	1	02/05/13	NO	SM19 2540G
Sulfate	165	110	32	mg/kg	5	02/12/13 19:26	AA	EPA 300/SW846 9056A
pH	7.33			su	1	02/19/13 11:20	AC	SW846 9045D

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-41 (1-2)		
Lab Sample ID:	FA1446-6	**Date Sampled:**	02/02/13
Matrix:	SO - Soil	**Date Received:**	02/05/13
		Percent Solids:	88.9
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	1120	50	5.0	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.83 J	5.0	0.47	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	1.5 J	2.5	0.40	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	64.4	50	1.2	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.12 U	1.2	0.12	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	3.1	1.0	0.12	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	944 J	1200	12	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	49.4	2.5	0.45	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	2960	75	17	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	5.2	5.0	0.27	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	180 J	1200	19	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	5.7	3.7	0.22	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	1.5 J	10	0.12	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	508 J	2500	50	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.75 U	5.0	0.75	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	141 J	2500	120	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	1.6 J	2.5	0.45	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc [a]	22.2	5.0	0.75	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10516
(2) Prep QC Batch: MP24568

(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-41 (1-2)		
Lab Sample ID:	FA1446-6	**Date Sampled:**	02/02/13
Matrix:	SO - Soil	**Date Received:**	02/05/13
		Percent Solids:	88.9
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	24.1	5.6	1.4	mg/kg	5	02/12/13 19:42	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	324	13	2.9	mg/kg	10	02/18/13 14:25	VK	EPA 350.1 M
Nitrogen, Nitrate	28.9	5.6	2.8	mg/kg	5	02/12/13 19:42	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	352	12	4.6	mg/kg	1	02/12/13 11:46	TC	EPA 351.2 M
Phosphorus, Total	9530	2300	360	mg/kg	50	02/13/13 12:35	LE	EPA 365.3M
Solids, Percent	88.9			%	1	02/05/13	NO	SM19 2540G
Sulfate	283	110	34	mg/kg	5	02/12/13 19:42	AA	EPA 300/SW846 9056A
pH	4.14			su	1	02/19/13 11:20	AC	SW846 9045D

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-41 (4-5)
Lab Sample ID: FA1446-7
Matrix: SO - Soil
Date Sampled: 02/02/13
Date Received: 02/05/13
Percent Solids: 67.4
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	31700	67	6.7	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	3.4 J	6.7	0.64	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	2.6 J	3.4	0.54	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	385	67	1.7	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.77 J	1.7	0.17	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	30.1	1.3	0.17	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	399 J	1700	17	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	233	3.4	0.61	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	8460	100	24	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	18.7	6.7	0.37	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	486 J	1700	26	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	7.9	5.1	0.30	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	3.2 J	13	0.17	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	3120 J	3400	67	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.0 U	6.7	1.0	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	406 J	3400	170	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.61 U	3.4	0.61	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc [a]	68.3	6.7	1.0	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10516
(2) Prep QC Batch: MP24568

(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-41 (4-5)		
Lab Sample ID:	FA1446-7	**Date Sampled:**	02/02/13
Matrix:	SO - Soil	**Date Received:**	02/05/13
		Percent Solids:	67.4
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	49.3	7.4	1.9	mg/kg	5	02/12/13 19:58	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	625	44	9.6	mg/kg	25	02/18/13 14:26	VK	EPA 350.1 M
Nitrogen, Nitrate	8.0	7.4	3.7	mg/kg	5	02/12/13 19:58	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	3940	370	150	mg/kg	25	02/12/13 12:04	TC	EPA 351.2 M
Phosphorus, Total	80700	26000	4100	mg/kg	500	02/13/13 12:35	LE	EPA 365.3M
Solids, Percent	67.4			%	1	02/05/13	NO	SM19 2540G
Sulfate	263	150	45	mg/kg	5	02/12/13 19:58	AA	EPA 300/SW846 9056A
pH	2.93			su	1	02/19/13 11:20	AC	SW846 9045D

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-41 (9-10)
Lab Sample ID: FA1446-8 **Date Sampled:** 02/02/13
Matrix: SO - Soil **Date Received:** 02/05/13
Percent Solids: 83.1
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	12600	49	4.9	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.46 U	4.9	0.46	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	8.2	2.4	0.39	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	72.7	49	1.2	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	3.0	1.2	0.12	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	12.1	0.98	0.12	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	69800	1200	12	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	128	2.4	0.44	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	10600	73	17	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	5.5	4.9	0.27	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	6820	1200	19	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	413	3.7	0.22	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	199	9.8	0.12	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	2510	2400	49	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.73 U	4.9	0.73	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	392 J	2400	120	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.44 U	2.4	0.44	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc [a]	1250	4.9	0.73	mg/kg	5	02/05/13	02/06/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10516
(2) Prep QC Batch: MP24568

(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-41 (9-10)		
Lab Sample ID:	FA1446-8	**Date Sampled:**	02/02/13
Matrix:	SO - Soil	**Date Received:**	02/05/13
		Percent Solids:	83.1
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride [a]	8.8	6.0	1.5	mg/kg	5	02/12/13 20:14	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	217	2.9	0.64	mg/kg	2	02/18/13 14:27	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.0 U	6.0	3.0	mg/kg	5	02/12/13 20:14	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	1530	120	48	mg/kg	10	02/12/13 12:05	TC	EPA 351.2 M
Phosphorus, Total	75400	14000	2100	mg/kg	250	02/13/13 12:35	LE	EPA 365.3M
Solids, Percent	83.1			%	1	02/05/13	NO	SM19 2540G
Sulfate	186	120	36	mg/kg	5	02/12/13 20:14	AA	EPA 300/SW846 9056A
pH	5.65			su	1	02/19/13 11:20	AC	SW846 9045D

(a) Dilution required due to matrix interference.

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

CHAIN OF CUSTODY RECORD

FA1446

Page 1 of 1

N° 02994

Project Number: 36785/01

Site and Location: AGRIUM CPO SODA SPRINGS ID

Contact Name: TIM. HUFF

Contact Email: @WSPGROUP.COM

Sampler's Name: ISAAC POLK

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	METALS	F, PH, TOTAL P	TKN, AMMONIA	SO4, NO3	ANIONS / GENERAL CHEM	DISSOLVED METALS	DISSOLVED ORTHOPHOSPHATE	TOTAL PHOSPHORUS			Remarks
A-39 (0-1)	0-1	2/2/13	1610	S	1	X	X	X	X							1
A-39 (1-2)	1-2	2/2/13	1612	S	1	X	X	X	X							2
A-39 (4-5)	4-5	2/2/13	1614	S	1	X	X	X	X							3
A-39 (9-10)	9-10	2/2/13	1635	S	1	X	X	X	X							4
A-41 (0-1)	0-1	2/2/13	1540	S	1	X	X	X	X							5
A-41 (1-2)	1-2	2/2/13	1542	S	1	X	X	X	X							6
A-41 (4-5)	4-5	2/2/13	1545	S	1	X	X	X	X							7
A-41 (9-10)	9-10	2/2/13	1547	S	1	X	X	X	X							8

Relinquished by (Signature):	2/4 1200 Date | Time	Received by (Signature): FP	Laboratory Name: ACCUTEST
Relinquished by (Signature): FP 02-05-13	930 Date | Time	Received by (Signature):	Laboratory Location: ORLANDO FL
Turn-Around Time: STD		Tracking Number: 8013 5708 4075	Custody Seal Numbers: 100
			Method of Shipment: FEDEX

WSP
WSP Environment & Energy

2-4

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA1446: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1446 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 02-05-13 930 (MM/DD/YY 24:00) NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8013 5708 4075

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: 2.0
- [ ] 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 Willi 02-05-13 REVIEWER SIGNATURE/DATE 02/05/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA1446: Chain of Custody
Page 2 of 3

Job Change Order: FA1446_2/6/2013

Requested Date:	2/6/2013	**Received Date:**	2/5/2013
Account Name:	WSP Environment & Energy	**Due Date:**	2/19/2013
Project Description:	Nu-West Conda Phosphate Operations, 3010	**Deliverable:**	REDT1
CSR:	AC	**TAT (Days):**	13

Sample #:
FA1446-all

Change: Please add nickel to the metals list.

Above Changes Tim Huff **Date:** 2/6/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

FA1446: Chain of Custody
Page 3 of 3

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: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10516
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:59	MA10516-STD1	1		STDA
08:03	MA10516-STD2	1		STDB
08:07	MA10516-STD3	1		STDC
08:11	MA10516-STD4	1		STDD
08:15	MA10516-HSTD1	1		
08:23	MA10516-ICV1	1		
08:30	MA10516-ICB1	1		
08:35	MA10516-CRIA1	1		
08:43	MA10516-ICSA1	1		
08:52	MA10516-ICSAB1	1		
09:00	MA10516-CCV1	1		
09:13	MA10516-CCB1	1		
09:17	MP24568-MB1	1		
09:22	MP24568-B1	1		
09:26	FA1446-1	5		
09:31	MP24568-D1	5		
09:35	MP24568-SD1	25		
09:40	MP24568-PS1	5		
09:44	MP24568-S1	5		
09:49	MP24568-S2	5		
09:53	FA1446-2	5		
09:57	FA1446-3	5		
10:02	MA10516-CCV2	1		
10:06	MA10516-CCB2	1		
10:11	FA1446-4	5		
10:15	FA1446-5	5		
10:19	FA1446-6	5		
10:24	FA1446-7	5		
10:30	FA1446-8	5		
---------->	Last reportable sample/prep for job FA1446			
10:34	MP24570-MB1	1		
10:39	MP24570-B1	1		
10:43	FA1464-1	1		(sample used for QC only; not part of login FA1446)
10:48	MP24570-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10516
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:53	MP24570-SD1	5		
10:57	MA10516-CCV3	1		
11:01	MA10516-CCB3	1		
11:06	MP24570-PS1	1		
11:11	MP24570-S1	1		
11:15	MP24570-S2	1		
11:20	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:34	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:52	MA10516-CCV4	1		
11:57	MA10516-CCB4	1		
12:10	FA1464-1	5		(sample used for QC only; not part of login FA1446)
12:15	MP24570-D1	5		
12:19	MP24570-S1	5		
12:24	MP24570-S2	5		
12:29	MP24570-PS1	5		
12:33	MP24570-SD1	25		
12:38	ZZZZZZ	10		
12:42	ZZZZZZ	10		
12:47	MA10516-CCV5	1		
12:51	MA10516-CCB5	1		
13:20	MA10516-CCV6	1		
13:31	MA10516-CCB6	1		
13:35	ZZZZZZ	5		
13:40	ZZZZZZ	10		
13:50	MA10516-CRIA2	1		
13:55	MA10516-ICSA2	1		
14:00	MA10516-ICSAB2	1		
14:04	MA10516-CCV7	1		
14:08	MA10516-CCB7	1		

----------> Last reportable CCB for job FA1446
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10516
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:59	MA10516-STD1	1253	12501	5974	818
08:03	MA10516-STD2	1244	12359	5977	766
08:07	MA10516-STD3	1203	11961	5932	695
08:11	MA10516-STD4	1147	11284	5746	641
08:15	MA10516-HSTD1	1153	11483	5813	647
08:23	MA10516-ICV1	1167	11550	5801	676
08:30	MA10516-ICB1	1279 R	12620 R	6034 R	830 R
08:35	MA10516-CRIA1	1263	12284	5940	792
08:43	MA10516-ICSA1	1072	10390	5425	586
08:52	MA10516-ICSAB1	1090	10368	5386	588
09:00	MA10516-CCV1	1168	11533	5760	676
09:13	MA10516-CCB1	1257	12158	5780	808
09:17	MP24568-MB1	1272	12457	5886	815
09:22	MP24568-B1	1223	11903	5858	725
09:26	FA1446-1	2080 !	20546 !	10335 !	625
09:31	MP24568-D1	2021 !	19705 !	9915 !	631
09:35	MP24568-SD1	1416	13761	6731	718
09:40	MP24568-PS1	2112 !	20646 !	10462 !	611
09:44	MP24568-S1	1911 !	18812 !	9510 !	614
09:49	MP24568-S2	2196 !	21379 !	10868 !	621
09:53	FA1446-2	1899 !	18707 !	9275 !	674
09:57	FA1446-3	2338 !	22902 !	11418 !	680
10:02	MA10516-CCV2	1188	11810	5852	681
10:06	MA10516-CCB2	1262	12396	5870	817
10:11	FA1446-4	1340	13247	6561	692
10:15	FA1446-5	1432	14242	7432	571
10:19	FA1446-6	1271	12663	6031	788
10:24	FA1446-7	1392	13529	6616	734
10:30	FA1446-8	1517	14878	7415	644
10:34	MP24570-MB1	1256	12559	5999	808
10:39	MP24570-B1	1206	11918	5827	720
10:43	FA1464-1	1242			
10:48	MP24570-D1	1245			

INTERNAL STANDARD SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10516
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:53	MP24570-SD1	1198			
10:57	MA10516-CCV3	1188	11676	5793	689
11:01	MA10516-CCB3	1258	12290	5900	815
11:06	MP24570-PS1	1232			
11:11	MP24570-S1	1338			
11:15	MP24570-S2	1223			
11:20	ZZZZZZ	1163	11259	5984	516
11:24	ZZZZZZ	1217	12050	6391	506
11:29	ZZZZZZ	1326	13155	6669	658
11:34	ZZZZZZ	1128	10957	5787	527
11:38	ZZZZZZ	1140	11148	5985	507
11:52	MA10516-CCV4	1196	11688	5873	693
11:57	MA10516-CCB4	1255	12186	5864	815
12:10	FA1464-1	1199	11760	5938	681
12:15	MP24570-D1	1184	11420	5794	662
12:19	MP24570-S1	1193	11604	6035	636
12:24	MP24570-S2	1186	11494	5857	676
12:29	MP24570-PS1	1190	11469	5851	672
12:33	MP24570-SD1	1212	11623	5815	754
12:38	ZZZZZZ	1149	11037	5674	675
12:42	ZZZZZZ	1156	11162	5784	670
12:47	MA10516-CCV5	1162	11319	5771	678
12:51	MA10516-CCB5	1246	11942	5794	816
13:20	MA10516-CCV6	1154	11054	5726	677
13:31	MA10516-CCB6	1243	12003	5859	814
13:35	ZZZZZZ	1122	10703	5624	636
13:40	ZZZZZZ	1143	10965	5715	681
13:50	MA10516-CRIA2	1226	11814	5819	776
13:55	MA10516-ICSA2	1063	10151	5439	586
14:00	MA10516-ICSAB2	1052	10108	5375	572
14:04	MA10516-CCV7	1166	11578	5801	676
14:08	MA10516-CCB7	1243	12184	5845	808

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

INTERNAL STANDARD SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10516
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,Zn

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: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10516 Units: ug/l

Time:			08:30		09:13		10:06		11:01	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-6.6	<200	-6.0	<200	2.4	<200	-0.90	<200
Antimony	20	1.3	0.30	<20	0.20	<20	0.40	<20	0.10	<20
Arsenic	10	1.6	1.0	<10	0.60	<10	0.60	<10	-0.30	<10
Barium	200	1	0.0	<200	-0.10	<200	0.0	<200	0.0	<200
Beryllium	5.0	.5	-0.10	<5.0	-0.20	<5.0	0.0	<5.0	0.0	<5.0
Cadmium	4.0	.5	-0.10	<4.0	0.0	<4.0	0.0	<4.0	0.0	<4.0
Calcium	5000	50	-0.90	<5000	-2.1	<5000	0.10	<5000	2.2	<5000
Chromium	10	1.8	-0.30	<10	0.10	<10	0.20	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	-1.9	<300	-6.9	<300	1.8	<300	1.1	<300
Lead	20	1.1	0.40	<20	0.30	<20	0.50	<20	0.0	<20
Magnesium	5000	74	6.3	<5000	7.9	<5000	4.1	<5000	3.5	<5000
Manganese	15	.7	0.0	<15	-0.10	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	-0.10	<40	0.0	<40	-0.20	<40
Potassium	10000	200	0.90	<10000	-19	<10000	-0.20	<10000	6.8	<10000
Selenium	20	2	-2.4	<20	-2.2	<20	-2.8	<20	-1.6	<20
Silver	10	.5								
Sodium	10000	500	-11	<10000	-20	<10000	-20	<10000	-7.2	<10000
Strontium	10	.5								
Thallium	10	1.3	1.8	<10	1.1	<10	1.7	<10	0.0	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	0.10	<20	-0.10	<20	0.0	<20	0.0	<20

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10516 Units: ug/l

Time:			11:57		12:51		13:31		14:08	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-1.9	<200	-2.6	<200	-4.2	<200	1.1	<200
Antimony	20	1.3	0.10	<20	0.90	<20	-0.50	<20	0.60	<20
Arsenic	10	1.6	0.50	<10	-0.30	<10	0.40	<10	-1.2	<10
Barium	200	1	0.10	<200	0.0	<200	0.0	<200	0.10	<200
Beryllium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Cadmium	4.0	.5	0.0	<4.0	-0.10	<4.0	0.0	<4.0	0.10	<4.0
Calcium	5000	50	-0.70	<5000	0.80	<5000	3.3	<5000	10.6	<5000
Chromium	10	1.8	0.10	<10	-0.20	<10	0.30	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	1.7	<300	2.0	<300	1.7	<300	13.7	<300
Lead	20	1.1	0.90	<20	0.40	<20	0.70	<20	0.60	<20
Magnesium	5000	74	15.0	<5000	9.5	<5000	-11	<5000	17.1	<5000
Manganese	15	.7	0.10	<15	0.0	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.30	<40	-0.10	<40	0.0	<40	-0.10	<40
Potassium	10000	200	-3.0	<10000	-16	<10000	-2.3	<10000	-8.3	<10000
Selenium	20	2	-1.2	<20	-4.9	<20	-0.90	<20	-4.3	<20
Silver	10	.5								
Sodium	10000	500	19.2	<10000	15.1	<10000	-3.4	<10000	11.7	<10000
Strontium	10	.5								
Thallium	10	1.3	1.6	<10	0.80	<10	1.6	<10	1.4	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	0.0	<20	0.20	<20	0.20	<20	0.30	<20

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10516 Units: ug/l

Time:		08:23			09:00			10:02	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	40300	100.8	40000	40600	101.5
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	2000	2150	107.5	2000	2060	103.0	2000	2040	102.0
Beryllium	2000	2080	104.0	2000	2070	103.5	2000	2060	103.0
Cadmium	2000	2070	103.5	2000	2070	103.5	2000	2080	104.0
Calcium	40000	42900	107.3	40000	41100	102.8	40000	41300	103.3
Chromium	2000	2070	103.5	2000	2070	103.5	2000	2050	102.5
Cobalt									
Copper									
Iron	40000	42900	107.3	40000	41900	104.8	40000	41600	104.0
Lead	2000	2030	101.5	2000	2040	102.0	2000	2070	103.5
Magnesium	40000	41700	104.3	40000	40500	101.3	40000	40600	101.5
Manganese	2000	2060	103.0	2000	2060	103.0	2000	2030	101.5
Molybdenum									
Nickel	2000	2100	105.0	2000	2080	104.0	2000	2080	104.0
Potassium	40000	42500	106.3	40000	39800	99.5	40000	41000	102.5
Selenium	2000	2110	105.5	2000	2030	101.5	2000	2030	101.5
Silver									
Sodium	40000	39100	97.8	40000	39800	99.5	40000	41200	103.0
Strontium									
Thallium	2000	2150	107.5	2000	2060	103.0	2000	2090	104.5
Tin									
Titanium									
Vanadium									
Zinc	2000	2080	104.0	2000	2070	103.5	2000	2090	104.5

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10516 Units: ug/l

Time:		10:57			11:52			12:47	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40000	100.0	40000	40100	100.3
Antimony	2000	2040	102.0	2000	2030	101.5	2000	2090	104.5
Arsenic	2000	2040	102.0	2000	2040	102.0	2000	2100	105.0
Barium	2000	2050	102.5	2000	2020	101.0	2000	2040	102.0
Beryllium	2000	2080	104.0	2000	2060	103.0	2000	2090	104.5
Cadmium	2000	2090	104.5	2000	2090	104.5	2000	2140	107.0
Calcium	40000	41900	104.8	40000	41700	104.3	40000	41900	104.8
Chromium	2000	2120	106.0	2000	2130	106.5	2000	2190	109.5
Cobalt									
Copper									
Iron	40000	42300	105.8	40000	42100	105.3	40000	42700	106.8
Lead	2000	2050	102.5	2000	2060	103.0	2000	2080	104.0
Magnesium	40000	40900	102.3	40000	40800	102.0	40000	40800	102.0
Manganese	2000	2100	105.0	2000	2110	105.5	2000	2150	107.5
Molybdenum									
Nickel	2000	2090	104.5	2000	2090	104.5	2000	2130	106.5
Potassium	40000	40500	101.3	40000	40200	100.5	40000	41000	102.5
Selenium	2000	2050	102.5	2000	2050	102.5	2000	2110	105.5
Silver									
Sodium	40000	40600	101.5	40000	40100	100.3	40000	41200	103.0
Strontium									
Thallium	2000	2070	103.5	2000	2090	104.5	2000	2120	106.0
Tin									
Titanium									
Vanadium									
Zinc	2000	2100	105.0	2000	2100	105.0	2000	2130	106.5

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10516 Units: ug/l

Time:		13:20			14:04	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	40100	100.3
Antimony	2000	2000	100.0	2000	1990	99.5
Arsenic	2000	2010	100.5	2000	2000	100.0
Barium	2000	2040	102.0	2000	2000	100.0
Beryllium	2000	2010	100.5	2000	2020	101.0
Cadmium	2000	2030	101.5	2000	2020	101.0
Calcium	40000	39600	99.0	40000	40500	101.3
Chromium	2000	2050	102.5	2000	1960	98.0
Cobalt						
Copper						
Iron	40000	41100	102.8	40000	40700	101.8
Lead	2000	1990	99.5	2000	2010	100.5
Magnesium	40000	39800	99.5	40000	39900	99.8
Manganese	2000	2050	102.5	2000	1940	97.0
Molybdenum						
Nickel	2000	2040	102.0	2000	2040	102.0
Potassium	40000	40200	100.5	40000	40300	100.8
Selenium	2000	2020	101.0	2000	1990	99.5
Silver						
Sodium	40000	40300	100.8	40000	40500	101.3
Strontium						
Thallium	2000	2020	101.0	2000	2050	102.5
Tin						
Titanium						
Vanadium						
Zinc	2000	2020	101.0	2000	2020	101.0

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10516 Units: ug/l

Time:		08:15	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79600	99.5
Antimony	4000	4000	100.0
Arsenic	4000	4020	100.5
Barium	4000	3940	98.5
Beryllium	4000	3940	98.5
Cadmium	4000	3950	98.8
Calcium	80000	79800	99.8
Chromium	4000	3950	98.8
Cobalt			
Copper			
Iron	80000	78700	98.4
Lead	4000	3980	99.5
Magnesium	80000	80000	100.0
Manganese	4000	3920	98.0
Molybdenum			
Nickel	4000	3930	98.3
Potassium	80000	79500	99.4
Selenium	4000	4000	100.0
Silver			
Sodium	80000	79500	99.4
Strontium			
Thallium	4000	3930	98.3
Tin			
Titanium			
Vanadium			
Zinc	4000	3940	98.5

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10516 Units: ug/l

Time:			08:35		13:50	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	197	98.5	203	101.5
Antimony	10	5.0	5.4	108.0	5.2	104.0
Arsenic	20	10	9.5	95.0	10.3	103.0
Barium	400	200	214	107.0	212	106.0
Beryllium	10	5.0	5.1	102.0	5.3	106.0
Cadmium	10	5.0	5.2	104.0	5.4	108.0
Calcium	2000	1000	1040	104.0	1050	105.0
Chromium	20	10	10.7	107.0	11.0	110.0
Cobalt	100	50				
Copper	50	25				
Iron	600	300	317	105.7	328	109.3
Lead	10	5.0	5.6	112.0	5.6	112.0
Magnesium	10000	5000	5020	100.4	4980	99.6
Manganese	30	15	16.8	112.0	16.4	109.3
Molybdenum	100	50				
Nickel	80	40	43.4	108.5	43.6	109.0
Potassium	20000	10000	10000	100.0	10200	102.0
Selenium	20	10	8.3	83.0	7.3	73.0
Silver	20	10				
Sodium	20000	10000	10000	100.0	10200	102.0
Strontium	20	10				
Thallium	20	10	12.0	120.0	11.7	117.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	20.7	103.5	21.1	105.5

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

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

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020613M1.ICP Date Analyzed: 02/06/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10516 Units: ug/l

Time:			08:43		08:52		13:55		14:00	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	524000	104.8	524000	104.8	519000	103.8	525000	105.0
Antimony		1000	0.40		1020	102.0	-0.90		1020	102.0
Arsenic		1000	0.0		1010	101.0	-1.6		1020	102.0
Barium		500	-0.60		492	98.4	-0.40		479	95.8
Beryllium		500	-0.20		476	95.2	0.0		472	94.4
Cadmium		1000	0.10		843	84.3	-1.1		847	84.7
Calcium	500000	500000	503000	100.6	505000	101.0	491000	98.2	499000	99.8
Chromium		500	-0.10		445	89.0	0.10		433	86.6
Cobalt		500	-0.60		420	84.0	-0.60		423	84.6
Copper		500	0.0		510	102.0	-0.50		504	100.8
Iron	200000	200000	193000	96.5	187000	93.5	186000	93.0	184000	92.0
Lead		1000	0.0		845	84.5	-0.50		855	85.5
Magnesium	500000	500000	523000	104.6	526000	105.2	510000	102.0	520000	104.0
Manganese		500	-0.70		461	92.2	-0.90		440	88.0
Molybdenum		1000	0.20		963	96.3	0.30		968	96.8
Nickel		1000	-0.30		829	82.9	0.10		833	83.3
Potassium			-9.2		-8.9		16.0		16.6	
Selenium		1000	0.0		979	97.9	4.1		993	99.3
Silver		1000	0.10		971	97.1	0.40		972	97.2
Sodium			67.3		54.5		98.0		118	
Strontium		1000	4.3		1090	109.0	4.1		1080	108.0
Thallium		1000	0.0		912	91.2	1.2		928	92.8
Tin		1000	1.9		898	89.8	1.6		907	90.7
Titanium		1000	-1.1		1040	104.0	-0.50		1010	101.0
Vanadium		500	0.0		460	92.0	0.50		455	91.0
Zinc		1000	-0.40		854	85.4	0.0		849	84.9

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:47	MA10519-STD1	1		STDA
07:51	MA10519-STD2	1		STDB
07:56	MA10519-STD3	1		STDC
07:59	MA10519-STD4	1		STDD
08:05	MA10519-HSTD1	1		
08:12	MA10519-ICV1	1		
08:18	MA10519-ICB1	1		
08:24	MA10519-CRIA1	1		
08:33	MA10519-ICSA1	1		
08:39	MA10519-ICSAB1	1		
08:47	MA10519-CCV1	1		
08:55	MA10519-CCB1	1		
09:23	MA10519-CCV2	1		
09:30	MA10519-CCB2	1		
09:35	MP24571-MB1	1		
09:39	MP24571-B1	1		
09:43	FA1474-1	1		(sample used for QC only; not part of login FA1446)
09:47	MP24571-D1	1		
09:51	MP24571-SD1	5		
09:55	MP24571-PS1	1		
09:59	MP24571-S1	1		
10:03	MP24571-S2	1		
10:07	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:15	MA10519-CCV3	1		
10:19	MA10519-CCB3	1		
10:23	ZZZZZZ	1		
10:27	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: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	10:52	ZZZZZZ	1		
	10:56	ZZZZZZ	1		
	11:00	ZZZZZZ	1		
	11:05	MA10519-CCV4	1		
	11:09	MA10519-CCB4	1		
	11:13	ZZZZZZ	1		
	11:17	ZZZZZZ	200		
	11:21	FA1446-1	20		
	11:25	MP24568-D1	20		
	11:29	MP24568-S1	20		
	11:33	MP24568-S2	20		
	11:37	MP24568-PS1	20		
	11:42	MP24568-SD1	100		
	11:46	FA1446-2	10		
	11:50	FA1446-3	20		
---------->	Last reportable sample/prep for job FA1446				
	11:54	MA10519-CCV5	1		
	11:58	MA10519-CCB5	1		
	12:02	MP24573-MB1	1		
	12:06	MP24573-B1	1		
	12:10	FA1468-7	1		(sample used for QC only; not part of login FA1446)
	12:14	MP24573-D1	1		
	12:18	MP24573-SD1	5		
	12:23	MP24573-PS1	1		
	12:27	MP24573-S1	1		
	12:31	MP24573-S2	1		
	12:34	ZZZZZZ	1		
	12:39	ZZZZZZ	1		
	12:43	MA10519-CCV6	1		
	12:47	MA10519-CCB6	1		
	12:51	ZZZZZZ	1		
	12:55	ZZZZZZ	1		
	12:59	ZZZZZZ	1		
	13:03	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:07	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:32	MA10519-CCV7	1		
13:36	MA10519-CCB7	1		
13:40	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:49	MP24577-MB1	1		
13:53	MP24577-B1	1		
13:57	FA1508-1	2		(sample used for QC only; not part of login FA1446)
14:01	MP24577-D1	2		
14:10	MP24577-PS1	2		
14:14	MP24577-S1	2		
14:18	MP24577-S2	2		
14:22	MA10519-CCV8	1		
14:26	MA10519-CCB8	1		
14:30	ZZZZZZ	2		
14:52	MA10519-CRIA2	1		
14:56	MA10519-ICSA2	1		
15:00	MA10519-ICSAB2	1		
15:04	MA10519-CCV9	1		
15:08	MA10519-CCB9	1		

----------> Last reportable CCB for job FA1446
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:47	MA10519-STD1	7103	42758	8118	3340
07:51	MA10519-STD2	7169	42913	8270	3089
07:56	MA10519-STD3	6909	40871	8207	2777
07:59	MA10519-STD4	6561	38921	8072	2543
08:05	MA10519-HSTD1	6625	39505	8137	2546
08:12	MA10519-ICV1	6827	40330	8149	2723
08:18	MA10519-ICB1	7149 R	42427 R	8295 R	3308 R
08:24	MA10519-CRIA1	7126	42110	8227	3119
08:33	MA10519-ICSA1	6259	35774	7923	2388
08:39	MA10519-ICSAB1	6249	35703	7908	2352
08:47	MA10519-CCV1	6991	40802	8286	2723
08:55	MA10519-CCB1	7160	42205	8263	3264
09:23	MA10519-CCV2	6944	40356	8232	2726
09:30	MA10519-CCB2	7181	42500	8295	3286
09:35	MP24571-MB1	7330	43547	8472	3280
09:39	MP24571-B1	7095	41178	8242	2865
09:43	FA1474-1	7144	41948	8500	3030
09:47	MP24571-D1	7063	41748	8459	3027
09:51	MP24571-SD1	7215	42627	8252	3179
09:55	MP24571-PS1	7102	41884	8336	2950
09:59	MP24571-S1	7039	41003	8408	2806
10:03	MP24571-S2	7072	41080	8366	2799
10:07	ZZZZZZ	6928	40659	8219	2900
10:11	ZZZZZZ	7123	41456	8308	2908
10:15	MA10519-CCV3	6841	39607	8203	2707
10:19	MA10519-CCB3	7092	41808	8243	3263
10:23	ZZZZZZ	6961	41084	8301	2918
10:27	ZZZZZZ	7031	41212	8297	2926
10:32	ZZZZZZ	7008	41271	8371	2927
10:36	ZZZZZZ	6849	39980	8298	2900
10:40	ZZZZZZ	6940	40688	8278	2935
10:44	ZZZZZZ	6998	41358	8298	2932
10:48	ZZZZZZ	7228	42913	8300	3259

INTERNAL STANDARD SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:52	ZZZZZZ	7180	42758	8338	3272
10:56	ZZZZZZ	7011	41313	8271	3029
11:00	ZZZZZZ	7176	42218	8315	3108
11:05	MA10519-CCV4	6937	40212	8141	2715
11:09	MA10519-CCB4	7173	42021	8305	3271
11:13	ZZZZZZ	7028	41631	8370	3117
11:17	ZZZZZZ	7003	40666	8121	2936
11:21	FA1446-1	8209	47970	9594	2871
11:25	MP24568-D1	8003	46532	9265	2911
11:29	MP24568-S1	7813	45806	9351	2852
11:33	MP24568-S2	7999	46647	9475	2898
11:37	MP24568-PS1	8118	46737	9476	2864
11:42	MP24568-SD1	7446	43805	8536	3133
11:46	FA1446-2	8452	49658	9877	2938
11:50	FA1446-3	8419	48976	9738	3040
11:54	MA10519-CCV5	6810	40063	8275	2770
11:58	MA10519-CCB5	7166	42840	8357	3289
12:02	MP24573-MB1	7304	43478	8442	3306
12:06	MP24573-B1	7012	41278	8334	2887
12:10	FA1468-7	7343	43437	8789	3147
12:14	MP24573-D1	7338	43260	8718	3168
12:18	MP24573-SD1	7288	43275	8569	3255
12:23	MP24573-PS1	7373	43710	8760	3041
12:27	MP24573-S1	7229	42550	8727	2876
12:31	MP24573-S2	7155	42205	8729	2877
12:34	ZZZZZZ	7245	43194	8709	3076
12:39	ZZZZZZ	7393	44010	8767	3206
12:43	MA10519-CCV6	7007	41376	8545	2769
12:47	MA10519-CCB6	7176	42815	8610	3325
12:51	ZZZZZZ	7225	43313	8746	3180
12:55	ZZZZZZ	7259	43280	8722	3132
12:59	ZZZZZZ	8022	47367	9377	3174
13:03	ZZZZZZ	7361	43784	8808	3208

INTERNAL STANDARD SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:07	ZZZZZZ	7473	44370	8999	3170
13:12	ZZZZZZ	7246	43572	8645	3212
13:16	ZZZZZZ	7463	44481	8930	3161
13:20	ZZZZZZ	7290	43991	8865	3119
13:24	ZZZZZZ	10870 !	64906 !	13391 !	3004
13:28	ZZZZZZ	9089 !	54014 !	11155 !	3018
13:32	MA10519-CCV7	7007	41582	8616	2766
13:36	MA10519-CCB7	7272	43592	8646	3303
13:40	ZZZZZZ	7272	43886	8897	3145
13:45	ZZZZZZ	7115	42968	8667	3307
13:49	MP24577-MB1	7148	43323	8801	3416
13:53	MP24577-B1	6989	41596	8621	2919
13:57	FA1508-1	22021 !	132480 !	27072 !	2961
14:01	MP24577-D1	21888 !	132140 !	26779 !	2944
14:10	MP24577-PS1	20978 !	125900 !	26398 !	2928
14:14	MP24577-S1	21175 !	127360 !	26381 !	2856
14:18	MP24577-S2	21607 !	128930 !	26557 !	2875
14:22	MA10519-CCV8	6921	41316	8500	2759
14:26	MA10519-CCB8	7170	43182	8659	3341
14:30	ZZZZZZ	24268 !	146330 !	30061 !	2966
14:52	MA10519-CRIA2	7032	42699	8756	3168
14:56	MA10519-ICSA2	6325	37075	8351	2420
15:00	MA10519-ICSAB2	6218	36471	8380	2393
15:04	MA10519-CCV9	6712	40538	8529	2782
15:08	MA10519-CCB9	7088	43452	8577	3307

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: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10519 Units: ug/l

Time:			08:18		08:55		09:30		10:19	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-6.4	<200	-4.5	<200	7.2	<200	6.3	<200
Antimony	6.0	1.3	0.40	<6.0	-0.60	<6.0	1.1	<6.0	1.5	<6.0
Arsenic	10	1.6	0.10	<10	-0.10	<10	0.70	<10	0.90	<10
Barium	200	1	0.10	<200	-0.10	<200	0.40	<200	0.40	<200
Beryllium	4.0	.5	0.10	<4.0	0.0	<4.0	0.30	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	2.5	<1000	6.6	<1000	11.3	<1000	10.8	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	0.30	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	0.70	<300	1.0	<300	8.1	<300	11.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	7.9	<5000	6.5	<5000	9.7	<5000	11.3	<5000
Manganese	15	.7	0.0	<15	0.20	<15	0.30	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	0.10	<40	0.10	<40	-0.10	<40
Potassium	10000	200	33.7	<10000	6.7	<10000	29.2	<10000	39.4	<10000
Selenium	10	2	-0.20	<10	-1.2	<10	0.40	<10	-0.80	<10
Silver	10	.5	anr							
Sodium	10000	500	5.7	<10000	5.8	<10000	23.5	<10000	29.2	<10000
Strontium	10	.5								
Thallium	10	1.3	0.10	<10	0.10	<10	0.30	<10	0.40	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	-0.30	<20	0.10	<20	0.60	<20	0.60	<20

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10519 Units: ug/l

Time:			11:09		11:58		12:47		13:36	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	3.0	<200	0.80	<200	8.4	<200	-1.2	<200
Antimony	6.0	1.3	1.4	<6.0	0.50	<6.0	0.80	<6.0	0.60	<6.0
Arsenic	10	1.6	0.60	<10	0.60	<10	1.0	<10	0.40	<10
Barium	200	1	0.20	<200	0.20	<200	0.10	<200	0.10	<200
Beryllium	4.0	.5	0.20	<4.0	0.10	<4.0	0.20	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	5.8	<1000	2.3	<1000	3.7	<1000	4.7	<1000
Chromium	10	1.8	0.30	<10	0.20	<10	0.10	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	7.2	<300	4.6	<300	6.1	<300	3.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	1.7	<5000	4.9	<5000	3.4	<5000	4.6	<5000
Manganese	15	.7	0.30	<15	0.20	<15	0.20	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.10	<40	0.0	<40	-0.10	<40
Potassium	10000	200	29.6	<10000	15.9	<10000	28.4	<10000	22.0	<10000
Selenium	10	2	-0.90	<10	0.20	<10	0.50	<10	-0.20	<10
Silver	10	.5	anr							
Sodium	10000	500	26.3	<10000	19.6	<10000	23.5	<10000	19.4	<10000
Strontium	10	.5								
Thallium	10	1.3	0.10	<10	0.10	<10	0.60	<10	0.80	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	0.50	<20	0.50	<20	0.50	<20	0.20	<20

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10519 Units: ug/l

Time:			14:26		15:08	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	6.4	<200	20.7	<200
Antimony	6.0	1.3	1.3	<6.0	1.6	<6.0
Arsenic	10	1.6	0.70	<10	0.0	<10
Barium	200	1	0.20	<200	0.20	<200
Beryllium	4.0	.5	0.20	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0
Calcium	1000	50	9.1	<1000	17.4	<1000
Chromium	10	1.8	0.40	<10	0.20	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	13.0	<300	13.5	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	8.9	<5000	14.2	<5000
Manganese	15	.7	0.40	<15	0.30	<15
Molybdenum	50	.6				
Nickel	40	.5	0.20	<40	0.0	<40
Potassium	10000	200	89.7	<10000	47.4	<10000
Selenium	10	2	0.0	<10	0.50	<10
Silver	10	.5	anr			
Sodium	10000	500	25.3	<10000	47.0	<10000
Strontium	10	.5				
Thallium	10	1.3	0.80	<10	0.60	<10
Tin	50	.7				
Titanium	10	.9				
Vanadium	50	.5	anr			
Zinc	20	3	1.2	<20	1.2	<20

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10519 Units: ug/l

Time:		08:12			08:47			09:23	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40100	100.3	40000	40300	100.8
Antimony	2000	1980	99.0	2000	1890	94.5	2000	1970	98.5
Arsenic	2000	1960	98.0	2000	1900	95.0	2000	1970	98.5
Barium	2000	2100	105.0	2000	2000	100.0	2000	2010	100.5
Beryllium	2000	2010	100.5	2000	1910	95.5	2000	1980	99.0
Cadmium	2000	2040	102.0	2000	2000	100.0	2000	2020	101.0
Calcium	40000	42800	107.0	40000	40300	100.8	40000	40500	101.3
Chromium	2000	2050	102.5	2000	2030	101.5	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	40000	41700	104.3	40000	39000	97.5	40000	40200	100.5
Lead	anr								
Magnesium	40000	41200	103.0	40000	39100	97.8	40000	40000	100.0
Manganese	2000	2020	101.0	2000	1970	98.5	2000	2010	100.5
Molybdenum									
Nickel	2000	2020	101.0	2000	1910	95.5	2000	2000	100.0
Potassium	40000	41100	102.8	40000	38500	96.3	40000	39500	98.8
Selenium	2000	2020	101.0	2000	1900	95.0	2000	1980	99.0
Silver	anr								
Sodium	40000	38500	96.3	40000	40300	100.8	40000	40400	101.0
Strontium									
Thallium	2000	2060	103.0	2000	1930	96.5	2000	1960	98.0
Tin									
Titanium									
Vanadium	anr								
Zinc	2000	1990	99.5	2000	1860	93.0	2000	1980	99.0

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10519 Units: ug/l

Time:		10:15			11:05			11:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	39900	99.8	40000	39600	99.0
Antimony	2000	2010	100.5	2000	1950	97.5	2000	2060	103.0
Arsenic	2000	2000	100.0	2000	1960	98.0	2000	2030	101.5
Barium	2000	2010	100.5	2000	1990	99.5	2000	1990	99.5
Beryllium	2000	2000	100.0	2000	1970	98.5	2000	2030	101.5
Cadmium	2000	2030	101.5	2000	2000	100.0	2000	2010	100.5
Calcium	40000	40500	101.3	40000	40100	100.3	40000	39600	99.0
Chromium	2000	2040	102.0	2000	2010	100.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	40000	40500	101.3	40000	40000	100.0	40000	40900	102.3
Lead	anr								
Magnesium	40000	40200	100.5	40000	39800	99.5	40000	40000	100.0
Manganese	2000	2050	102.5	2000	2010	100.5	2000	2040	102.0
Molybdenum									
Nickel	2000	2040	102.0	2000	1980	99.0	2000	2080	104.0
Potassium	40000	40100	100.3	40000	39300	98.3	40000	40500	101.3
Selenium	2000	2010	100.5	2000	1960	98.0	2000	2050	102.5
Silver	anr								
Sodium	40000	40500	101.3	40000	40100	100.3	40000	39800	99.5
Strontium									
Thallium	2000	2000	100.0	2000	1970	98.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	anr								
Zinc	2000	2030	101.5	2000	1970	98.5	2000	2090	104.5

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10519 Units: ug/l

Time:		12:43			13:32			14:22	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39700	99.3	40000	40000	100.0
Antimony	2000	2000	100.0	2000	2010	100.5	2000	2040	102.0
Arsenic	2000	1990	99.5	2000	1990	99.5	2000	2010	100.5
Barium	2000	2010	100.5	2000	2040	102.0	2000	2050	102.5
Beryllium	2000	1970	98.5	2000	2000	100.0	2000	2010	100.5
Cadmium	2000	2000	100.0	2000	1990	99.5	2000	1990	99.5
Calcium	40000	39600	99.0	40000	39500	98.8	40000	39700	99.3
Chromium	2000	1970	98.5	2000	1960	98.0	2000	1970	98.5
Cobalt	anr								
Copper	anr								
Iron	40000	39900	99.8	40000	40600	101.5	40000	40700	101.8
Lead	anr								
Magnesium	40000	39100	97.8	40000	39100	97.8	40000	39200	98.0
Manganese	2000	2000	100.0	2000	2010	100.5	2000	2020	101.0
Molybdenum									
Nickel	2000	2000	100.0	2000	2010	100.5	2000	2040	102.0
Potassium	40000	39400	98.5	40000	39700	99.3	40000	40200	100.5
Selenium	2000	2000	100.0	2000	2010	100.5	2000	2030	101.5
Silver	anr								
Sodium	40000	40000	100.0	40000	40100	100.3	40000	40400	101.0
Strontium									
Thallium	2000	1980	99.0	2000	1990	99.5	2000	2010	100.5
Tin									
Titanium									
Vanadium	anr								
Zinc	2000	1980	99.0	2000	1990	99.5	2000	2020	101.0

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10519 Units: ug/l

Time:		15:04	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	39700	99.3
Antimony	2000	2150	107.5
Arsenic	2000	2090	104.5
Barium	2000	2050	102.5
Beryllium	2000	2070	103.5
Cadmium	2000	2010	100.5
Calcium	40000	39200	98.0
Chromium	2000	1970	98.5
Cobalt	anr		
Copper	anr		
Iron	40000	41600	104.0
Lead	anr		
Magnesium	40000	39200	98.0
Manganese	2000	2070	103.5
Molybdenum			
Nickel	2000	2140	107.0
Potassium	40000	41500	103.8
Selenium	2000	2130	106.5
Silver	anr		
Sodium	40000	40000	100.0
Strontium			
Thallium	2000	2050	102.5
Tin			
Titanium			
Vanadium	anr		
Zinc	2000	2150	107.5

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10519 Units: ug/l

Time:		08:05	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79100	98.9
Antimony	4000	3970	99.3
Arsenic	4000	3970	99.3
Barium	4000	3930	98.3
Beryllium	4000	3950	98.8
Cadmium	4000	3930	98.3
Calcium	80000	78700	98.4
Chromium	4000	3910	97.8
Cobalt	anr		
Copper	anr		
Iron	80000	78600	98.3
Lead	anr		
Magnesium	80000	79000	98.8
Manganese	4000	3920	98.0
Molybdenum			
Nickel	4000	3920	98.0
Potassium	80000	80000	100.0
Selenium	4000	3950	98.8
Silver	anr		
Sodium	80000	79100	98.9
Strontium			
Thallium	4000	3990	99.8
Tin			
Titanium			
Vanadium	anr		
Zinc	4000	3940	98.5

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10519 Units: ug/l

Time:			08:24		14:52	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	196	98.0	208	104.0
Antimony	10	5.0	5.2	104.0	6.3	126.0
Arsenic	20	10	10.2	102.0	11.1	111.0
Barium	400	200	208	104.0	213	106.5
Beryllium	10	5.0	5.0	100.0	5.3	106.0
Cadmium	10	5.0	5.4	108.0	5.3	106.0
Calcium	2000	1000	1070	107.0	1030	103.0
Chromium	20	10	10.5	105.0	10.4	104.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	315	105.0	326	108.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5210	104.2	5080	101.6
Manganese	30	15	16.1	107.3	16.6	110.7
Molybdenum	100	50				
Nickel	80	40	42.2	105.5	45.3	113.3
Potassium	20000	10000	10000	100.0	10500	105.0
Selenium	20	10	9.0	90.0	11.4	114.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10400	104.0
Strontium	20	10				
Thallium	20	10	8.6	86.0	10.8	108.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	19.6	98.0	21.8	109.0

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

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

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10519 Units: ug/l

Time: / Sample ID: / Metal	ICSA True	ICSAB True	08:33 ICSA1 Results	% Rec	08:39 ICSAB1 Results	% Rec	14:56 ICSA2 Results	% Rec	15:00 ICSAB2 Results	% Rec
Aluminum	500000	500000	504000	100.8	497000	99.4	495000	99.0	501000	100.2
Antimony		1000	0.10		1000	100.0	0.60		1090	109.0
Arsenic		1000	0.90		1000	100.0	1.1		1060	106.0
Barium		500	-0.70		475	95.0	-0.50		485	97.0
Beryllium		500	-0.20		453	90.6	-0.10		461	92.2
Cadmium		1000	-0.10		866	86.6	0.0		859	85.9
Calcium	500000	500000	482000	96.4	479000	95.8	458000	91.6	465000	93.0
Chromium		500	0.20		450	90.0	0.0		438	87.6
Cobalt		500	0.30		427	85.4	0.50		429	85.8
Copper		500	0.0		486	97.2	0.80		506	101.2
Iron	200000	200000	187000	93.5	181000	90.5	188000	94.0	183000	91.5
Lead		1000	0.0		858	85.8	-5.3		869	86.9
Magnesium	500000	500000	483000	96.6	480000	96.0	469000	93.8	470000	94.0
Manganese		500	-0.50		455	91.0	-0.50		458	91.6
Molybdenum		1000	0.0		949	94.9	0.20		1030	103.0
Nickel		1000	-0.80		835	83.5	-0.90		883	88.3
Potassium			14.9		1.9		193		105	
Selenium		1000	-1.8		972	97.2	-1.5		1050	105.0
Silver		1000	-0.80		971	97.1	-0.60		986	98.6
Sodium			101		118		285		211	
Strontium		1000	4.7		1060	106.0	5.3		1110	111.0
Thallium		1000	0.20		953	95.3	-0.40		975	97.5
Tin		1000	-1.1		910	91.0	0.30		927	92.7
Titanium		1000	-2.5		1020	102.0	-2.5		1060	106.0
Vanadium		500	-0.40		463	92.6	-0.20		466	93.2
Zinc		1000	-1.6		843	84.3	-1.3		899	89.9

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24568
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/05/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	1.6	<10
Antimony	1.0	.065	.095	0.045	<1.0
Arsenic	0.50	.08	.08	-0.10	<0.50
Barium	10	.05	.25	0.025	<10
Beryllium	0.25	.025	.025	-0.010	<0.25
Cadmium	0.20	.025	.025	0.0	<0.20
Calcium	250	2.5	2.5	14.9	<250
Chromium	0.50	.09	.09	0.050	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	2.8	<15
Lead	1.0	.055	.055	0.015	<1.0
Magnesium	250	3.7	3.8	2.9	<250
Manganese	0.75	.035	.045	0.035	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	-0.0050	<2.0
Potassium	500	10	10	0.88	<500
Selenium	1.0	.1	.15	-0.095	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	-0.38	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.085	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025		
Zinc	1.0	.15	.15	0.065	<1.0

Associated samples MP24568: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8

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: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24568 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 02/05/13 02/05/13

Metal	FA1446-1 Original	DUP	RPD	QC Limits	FA1446-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	15300	15600(a)	1.9	0-20	15300	16400(a)	1490	73.8 (e)	80-120
Antimony	2.6	1.8 (a)	36.4 (b)	0-20	2.6	26.8 (a)	27.6	87.7	80-120
Arsenic	9.5	7.8 (a)	19.7	0-20	9.5	112 (a)	110	92.9	80-120
Barium	157	168 (a)	6.8	0-20	157	245 (a)	110	80.0	80-120
Beryllium	0.70	0.55 (a)	24.0 (b)	0-20	0.70	3.3 (a)	2.76	94.3	80-120
Cadmium	26.0	25.7 (a)	1.2	0-20	26.0	29.9 (a)	2.76	141.4(e)	80-120
Calcium	122000	88100(a)	32.3*(c)	0-20	122000	147000(a	1380	1812.6(e	80-120
Chromium	151	138 (a)	9.0	0-20	151	151 (a)	11	0.0 (e)	80-120
Cobalt									
Copper									
Iron	16900	19900(a)	16.3	0-20	16900	18600(a)	1430	118.5	80-120
Lead	97.3	72.2 (d)	29.6*(c)	0-20	97.3	124 (d)	27.6	96.8	80-120
Magnesium	6270	7250 (a)	14.5	0-20	6270	8870 (a)	1380	188.5(e)	80-120
Manganese	303	313 (a)	3.2	0-20	303	323 (a)	27.6	72.5 (e)	80-120
Molybdenum									
Nickel									
Potassium	4800	4590 (a)	4.5	0-20	4800	5960 (a)	1380	84.1	80-120
Selenium	3.3	3.6 (a)	8.7	0-20	3.3	108 (a)	110	94.9	80-120
Silver									
Sodium	3470	3410 (a)	1.7	0-20	3470	4330 (a)	1380	62.4N(f)	80-120
Strontium									
Thallium	0.0	0.0 (a)	NC	0-20	0.0	111 (a)	110	100.6	80-120
Tin									
Titanium									
Vanadium									
Zinc	798	688 (a)	14.8	0-20	798	899 (a)	27.6	366.1(e)	80-120

Associated samples MP24568: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8

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) Elevated reporting limit(s) due to matrix interference.
(b) RPD acceptable due to low duplicate and sample concentrations.
(c) High RPD due to possible sample nonhomogeneity.
(d) Sample dilution required due to sample matrix.
(e) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(f) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24568 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 02/05/13

Metal	FA1446-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	15300	18500(a)	1560	204.8(b)	12.0	20
Antimony	2.6	29.2 (a)	28.9	91.9	8.6	20
Arsenic	9.5	119 (a)	116	94.6	6.1	20
Barium	157	284 (a)	116	109.7	14.7	20
Beryllium	0.70	3.4 (a)	2.89	93.3	3.0	20
Cadmium	26.0	35.6 (a)	2.89	331.8(b)	17.4	20
Calcium	122000	111000(a	1450	-760.3(b	27.9 (c)	20
Chromium	151	193 (a)	11.6	362.9(b)	24.4 (c)	20
Cobalt						
Copper						
Iron	16900	21700(a)	1500	319.0(b)	15.4	20
Lead	97.3	156 (d)	28.9	202.9N(e	22.9 (c)	20
Magnesium	6270	10300(a)	1450	278.5(b)	14.9	20
Manganese	303	341 (a)	28.9	131.3(b)	5.4	20
Molybdenum						
Nickel						
Potassium	4800	6940 (a)	1450	147.9N(e	15.2	20
Selenium	3.3	114 (a)	116	95.6	5.4	20
Silver						
Sodium	3470	5190 (a)	1450	118.9	18.1	20
Strontium						
Thallium	0.0	119 (a)	116	102.8	7.0	20
Tin						
Titanium						
Vanadium						
Zinc	798	983 (a)	28.9	639.3(b)	8.9	20

Associated samples MP24568: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8

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) Elevated reporting limit(s) due to matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) High RPD due to possible sample nonhomogeneity.
(d) Sample dilution required due to sample matrix.
(e) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24568
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/05/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1390	1350	103.0	80-120
Antimony	25.0	25	100.0	80-120
Arsenic	97.1	100	97.1	80-120
Barium	107	100	107.0	80-120
Beryllium	2.7	2.5	108.0	80-120
Cadmium	2.5	2.5	100.0	80-120
Calcium	1320	1250	105.6	80-120
Chromium	10.8	10	108.0	80-120
Cobalt				
Copper				
Iron	1400	1300	107.7	80-120
Lead	23.9	25	95.6	80-120
Magnesium	1260	1250	100.8	80-120
Manganese	26.8	25	107.2	80-120
Molybdenum				
Nickel	26.3	25	105.2	80-120
Potassium	1250	1250	100.0	80-120
Selenium	96.6	100	96.6	80-120
Silver				
Sodium	1270	1250	101.6	80-120
Strontium				
Thallium	97.9	100	97.9	80-120
Tin				
Titanium				
Vanadium				
Zinc	26.1	25	104.4	80-120

Associated samples MP24568: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24568
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/05/13

Metal	FA1446-1 Original	SDL 5:25	%DIF	QC Limits
Aluminum	295000	332000	12.5*(a)	0-10
Antimony	50.9	0.00	100.0(b)	0-10
Arsenic	183	199	9.1	0-10
Barium	3020	3400	12.4*(a)	0-10
Beryllium	13.6	0.00	100.0(b)	0-10
Cadmium	502	560	11.7*(a)	0-10
Calcium	2350000	2650000	12.7*(a)	0-10
Chromium	2910	3310	13.8*(a)	0-10
Cobalt				
Copper				
Iron	326000	370000	13.6*(a)	0-10
Lead	1880	1950	3.6	0-10
Magnesium	121000	140000	15.6*(a)	0-10
Manganese	5860	6690	14.3*(a)	0-10
Molybdenum				
Nickel				
Potassium	92700	104000	12.0 (b)	0-10
Selenium	63.4	0.00	100.0(b)	0-10
Silver				
Sodium	67000	74700	11.5 (b)	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium				
Zinc	15400	17600	14.4*(a)	0-10

Associated samples MP24568: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8

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: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24568
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/05/13

Metal	Sample ml	Final ml	FA1446-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	295100	289198	302200	0.2	125	2500	520.1*(a	80-120
Antimony	9.8	10	50.9	49.882	156.8	0.2	5	100	106.9	80-120
Arsenic	9.8	10	182.6	178.948	287	0.2	5	100	108.1	80-120
Barium	9.8	10	3024	2963.52	3338	0.2	12.5	250	149.8*(a	80-120
Beryllium	9.8	10	13.6	13.328	70.6	0.2	2.5	50	114.5	80-120
Cadmium	9.8	10	501.5	491.47	550.2	0.2	2.5	50	117.5	80-120
Calcium	9.8	10	2352000	2304960	2381000	0.2	250	5000	1520.8*a	80-120
Chromium	9.8	10	2910	2851.8	3009	0.2	2.5	50	314.4*(a	80-120
Cobalt										
Copper										
Iron	9.8	10	326000	319480	339700	0.2	150	3000	674.0*(a	80-120
Lead	9.8	10	1879	1841.42	2073	0.2	2.5	50	463.2*(a	80-120
Magnesium	9.8	10	121100	118678	128900	0.2	250	5000	204.4*(a	80-120
Manganese	9.8	10	5856	5738.88	6060	0.2	2.5	50	642.2*(a	80-120
Molybdenum										
Nickel										
Potassium	9.8	10	92650	90797	106500	0.2	500	10000	157.0*(a	80-120
Selenium	9.8	10	63.4	62.132	160.2	0.2	5	100	98.1	80-120
Silver										
Sodium	9.8	10	66990	65650.2	78350	0.2	500	10000	127.0*(a	80-120
Strontium										
Thallium	9.8	10	0	0	0	0.2	5	100	0.0* (a)	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	15420	15111.6	16070	0.2	12.5	250	383.4*(a	80-120

Associated samples MP24568: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8

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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1446
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
Fluoride	GP20972/GN54142	1.0	0.0	mg/kg	25	24.9	99.7	90-110%
Nitrogen, Ammonia	GP20995/GN54202	1.2	0.0	mg/kg	30	29.9	99.7	80-120%
Nitrogen, Nitrate	GP20972/GN54142	1.0	0.0	mg/kg	25	25.2	100.9	90-110%
Nitrogen, Total Kjeldahl	GP20934/GN54106	10	0.0	mg/kg	105	100	95.2	80-120%
Phosphorus, Total	GP20962/GN54139	6.7	0.0	mg/kg	20	19.5	97.5	81-126%
Sulfate	GP20972/GN54142	20	0.0	mg/kg	500	532	106.5	90-110%

Associated Samples:
Batch GN54139: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20934: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20962: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20972: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20995: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1446
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
Phosphorus, Total	GP20962/GN54139	FA1446-2	mg/kg	15300	15200	0.8	0-23%
Solids, Percent	GN54006	FA1446-1	%	84.7	82.7	2.4	0-5%
pH	GN54216	FA1446-1	su	5.21	5.32	2.1	0-10%

Associated Samples:
Batch GN54006: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GN54139: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GN54216: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20962: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1446
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
Fluoride	GP20972/GN54142	FA1446-4	mg/kg	47.0	30.1	87.9	136.1N(a)	90-110%
Nitrogen, Ammonia	GP20995/GN54202	FA1446-4	mg/kg	184	35.4	213	81.8	80-120%
Nitrogen, Nitrate	GP20972/GN54142	FA1446-4	mg/kg	3.0 U	30.1	28.9	96.1	90-110%
Nitrogen, Total Kjeldahl	GP20934/GN54106	FA1446-1	mg/kg	655	115	629	-22.7(b)	80-120%
Phosphorus, Total	GP20962/GN54139	FA1446-2	mg/kg	15300	27	15400	275.2(b)	81-126%
Sulfate	GP20972/GN54142	FA1446-4	mg/kg	571	601	1090	86.3N(a)	90-110%

Associated Samples:
Batch GN54139: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20934: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20962: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20972: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20995: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
(*) 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: FA1446
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
Fluoride	GP20972/GN54142	FA1446-4	mg/kg	47.0	30.1	44.7	65.2N(a)	
Nitrogen, Ammonia	GP20995/GN54202	FA1446-4	mg/kg	184	34.8	207	2.9	30%
Nitrogen, Nitrate	GP20972/GN54142	FA1446-4	mg/kg	3.0 U	30.1	27.2	6.1	
Nitrogen, Total Kjeldahl	GP20934/GN54106	FA1446-1	mg/kg	655	124	543	14.7(b)	30%
Phosphorus, Total	GP20962/GN54139	FA1446-2	mg/kg	15300	27	15500	0.3	23%
Sulfate	GP20972/GN54142	FA1446-4	mg/kg	571	601	1180	7.9	

Associated Samples:
Batch GN54139: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20934: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20962: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20972: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
Batch GP20995: FA1446-1, FA1446-2, FA1446-3, FA1446-4, FA1446-5, FA1446-6, FA1446-7, FA1446-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Outside control limits.
(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: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021213TKN1.CSV Date Analyzed: 02/12/13 Methods: EPA 351.2 M
Analyst: TC Run ID: GN54106
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:30	GN54106-ICV1	1		
11:31	GN54106-CCV1	1		
11:32	GN54106-CCB1	1		
11:33	GP20934-MB1	1		
11:34	GP20934-B1	1		
11:44	GN54106-CCV2	1		
11:45	GN54106-CCB2	1		
11:46	FA1446-6	1		
11:49	ZZZZZZ	1		
11:54	FA1446-1	5		
11:55	GP20934-S1	5		
11:57	GN54106-CCV3	1		
11:58	GN54106-CCB3	1		
11:59	FA1446-2	5		
12:01	FA1446-3	10		
12:02	FA1446-4	5		
12:03	FA1446-5	5		
12:04	FA1446-7	25		
12:05	FA1446-8	10		
12:06	ZZZZZZ	2		
12:07	ZZZZZZ	5		
12:08	ZZZZZZ	5		
12:09	GP20934-S2	5		
12:11	GN54106-CCV4	1		
12:12	GN54106-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021213TKN1.CSV Date Analyzed: 02/12/13 Methods: EPA 351.2 M
Run ID: GN54106 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54106-ICV1	Nitrogen, Total Kjeldahl	2.7	0.25	0.10	2.5	108.0	90-110
GN54106-CCV1	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54106-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54106-CCV2	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54106-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54106-CCV3	Nitrogen, Total Kjeldahl	2.3	0.25	0.10	2.5	92.0	90-110
GN54106-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54106-CCV4	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54106-CCB4	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54142
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:46	GN54142-CCV1	1		
11:02	GN54142-CCB1	1		
11:18	GP20974-MB1	1		
12:07	GP20974-B1	1		
12:54	FA1526-1	1		(sample used for QC only; not part of login FA1446)
13:10	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:42	GP20974-S1	1		
13:58	GP20974-S2	1		
14:14	GN54142-CCV2	1		
14:29	GN54142-CCB2	1		
15:14	GP20972-MB1	1		
15:30	GP20972-B1	1		
16:15	FA1371-12	25		(sample used for QC only; not part of login FA1446)
16:31	GP20947-S3	25		
16:47	GP20947-S4	25		
17:19	ZZZZZZ	10		
17:35	FA1446-1	5		
17:50	FA1446-2	5		
18:22	GN54142-CCV3	1		
18:38	GN54142-CCB3	1		
18:54	FA1446-3	5		
19:10	FA1446-4	5		
19:26	FA1446-5	5		
19:42	FA1446-6	5		
19:58	FA1446-7	5		
20:14	FA1446-8	5		
20:29	ZZZZZZ	5		
20:45	ZZZZZZ	5		
21:01	ZZZZZZ	5		
21:33	GN54142-CCV4	1		
21:49	GN54142-CCB4	1		
22:05	FA1466-6	5		(sample used for QC only; not part of login FA1446)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54142
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:21	GP20972-S1	5		
22:37	GP20972-S2	5		
22:52	GP20972-S3	5		
23:08	GP20972-S4	5		
23:40	GN54142-CCV5	1		
23:56	GN54142-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Run ID: GN54142 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54142-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54142-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54142-CCV1	Sulfate	52.5	2.0	0.60	50	105.0	90-110
GN54142-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54142-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54142-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54142-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54142-CCV2	Sulfate	52.4	2.0	0.60	50	104.8	90-110
GN54142-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54142-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54142-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54142-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54142-CCV3	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN54142-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54142-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54142-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54142-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54142-CCV4	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN54142-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54142-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54142-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54142-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54142-CCV5	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN54142-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54142-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54142-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130201.TXT Date Analyzed: 02/13/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54163
Parameters: Fluoride,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:19	GN54163-CCV1	1		
10:34	GN54163-CCB1	1		
10:50	GP20979-MB1	1		
11:06	GP20979-B1	1		
11:54	ZZZZZZ	1		
12:10	ZZZZZZ	10		
12:26	ZZZZZZ	1		
12:42	ZZZZZZ	5		
12:57	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:29	GN54163-CCV2	1		
13:45	GN54163-CCB2	1		
14:01	ZZZZZZ	1		
14:17	FA1673-6	1		(sample used for QC only; not part of login FA1446)
14:33	ZZZZZZ	1		
14:49	ZZZZZZ	1		
15:05	FA1673-13	1		(sample used for QC only; not part of login FA1446)
15:20	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:52	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:24	ZZZZZZ	2		
16:40	GN54163-CCV3	1		
16:56	GN54163-CCB3	1		
17:12	ZZZZZZ	5		
17:28	ZZZZZZ	5		
17:44	ZZZZZZ	5		
17:59	ZZZZZZ	5		
18:15	GP20979-S1	1		
18:31	GP20979-S2	1		
18:47	GP20979-S3	1		
19:03	GP20979-S4	1		
19:19	GN54163-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130201.TXT Date Analyzed: 02/13/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54163
Parameters: Fluoride,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:35	GN54163-CCB4	1		
19:51	ZZZZZZ	50		
20:07	FA1446-1	25		
20:23	FA1446-2	25		
20:38	FA1446-3	25		
20:54	FA1466-6	50		(sample used for QC only; not part of login FA1446)
21:10	GP20972-S3	50		
21:26	GP20972-S4	50		
21:58	GN54163-CCV5	1		
22:14	GN54163-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130201.TXT Date Analyzed: 02/13/13 Methods: EPA 300/SW846 9056A
Run ID: GN54163 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54163-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCV1	Sulfate	51.6	2.0	0.60	50	103.2	90-110
GN54163-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54163-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54163-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54163-CCV2	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54163-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54163-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54163-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCV3	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54163-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54163-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54163-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCV4	Sulfate	51.4	2.0	0.60	50	102.8	90-110
GN54163-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54163-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54163-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCV5	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54163-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54163-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54202
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:21	GN54202-ICV1	1		
13:22	GN54202-CCV1	1		
13:23	GN54202-CCB1	1		
13:24	GP20995-MB1	1		
13:25	GP20995-B1	1		
13:32	FA1446-5	1		
13:34	GN54202-CCV2	1		
13:35	GN54202-CCB2	1		
13:40	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:47	GN54202-CCV3	1		
13:48	GN54202-CCB3	1		
14:11	GN54202-CCV4	1		
14:12	GN54202-CCB4	1		
14:13	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:17	GP20995-S1	5		
14:18	GP20995-S2	5		
14:19	FA1446-4	5		
14:20	FA1446-1	2		
14:21	FA1446-2	2		
14:22	FA1446-3	10		
14:23	GN54202-CCV5	1		
14:24	GN54202-CCB5	1		
14:25	FA1446-6	10		
14:26	FA1446-7	25		
14:27	FA1446-8	2		
14:28	ZZZZZZ	2		
14:29	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54202
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:30	ZZZZZZ	2		
14:31	ZZZZZZ	5		
14:33	GN54202-CCV6	1		
14:35	GN54202-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1446
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Run ID: GN54202 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54202-ICV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV2	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV3	Nitrogen, Ammonia	2.6	0.10	0.022	2.5	104.0	90-110
GN54202-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV4	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB4	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV5	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB5	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV6	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB6	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA1446
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1446-1 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-39 (0-1)

Wet Weight (Total)	9.19	g
Tare Weight	1.01	g
Dry Weight (Total)	7.94	g
Solids, Percent	84.7	%

Sample: FA1446-2 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-39 (1-2)

Wet Weight (Total)	8.3	g
Tare Weight	.99	g
Dry Weight (Total)	6.41	g
Solids, Percent	74.2	%

Sample: FA1446-3 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-39 (4-5)

Wet Weight (Total)	6.57	g
Tare Weight	1.19	g
Dry Weight (Total)	5.72	g
Solids, Percent	84.2	%

Sample: FA1446-4 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-39 (9-10)

Wet Weight (Total)	8.65	g
Tare Weight	1.12	g
Dry Weight (Total)	7.37	g
Solids, Percent	83	%

Sample: FA1446-5 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-41 (0-1)

Wet Weight (Total)	10.59	g
Tare Weight	1.01	g
Dry Weight (Total)	10.06	g
Solids, Percent	94.5	%

Sample: FA1446-6 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-41 (1-2)

Wet Weight (Total)	7.87	g
Tare Weight	1.01	g
Dry Weight (Total)	7.11	g
Solids, Percent	88.9	%

Percent Solids Raw Data Summary

Job Number: FA1446
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1446-7 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-41 (4-5)

Wet Weight (Total)	7.6	g
Tare Weight	1	g
Dry Weight (Total)	5.45	g
Solids, Percent	67.4	%

Sample: FA1446-8 **Analyzed:** 05-FEB-13 by NO **Method:** SM19 2540G
ClientID: A-41 (9-10)

Wet Weight (Total)	6.99	g
Tare Weight	1.01	g
Dry Weight (Total)	5.98	g
Solids, Percent	83.1	%

Southeast ACCUTEST LABORATORIES

02/21/13

Technical Report for

WSP Environment & Energy

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

36785-01

Accutest Job Number: FA1466

Sampling Dates: 02/04/13 - 02/05/13

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: **116**

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.

Table of Contents

-1-

Section 1: Sample Summary 3
Section 2: Case Narrative/Conformance Summary 4
Section 3: Summary of Hits 9
Section 4: Sample Results 12
- **4.1:** FA1466-1: SOIL-EB-2/4/13 13
- **4.2:** FA1466-2: WATER-EB-2/4/13 15
- **4.3:** FA1466-2F: WATER-EB-2/4/13 17
- **4.4:** FA1466-3: A-42 (0-1) 18
- **4.5:** FA1466-4: A-42 (1-2) 20
- **4.6:** FA1466-5: A-42 (4-5) 22
- **4.7:** FA1466-6: A-42 (9-10) 24

Section 5: Misc. Forms 26
- **5.1:** Chain of Custody 27

Section 6: Metals Analysis - QC Data Summaries 30
- **6.1:** Inst QC MA10518: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 31
- **6.2:** Inst QC MA10519: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 49
- **6.3:** Inst QC MA10521: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 65
- **6.4:** Prep QC MP24571: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 82
- **6.5:** Prep QC MP24574: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 88

Section 7: General Chemistry - QC Data Summaries 94
- **7.1:** Method Blank and Spike Results Summary 95
- **7.2:** Duplicate Results Summary 96
- **7.3:** Matrix Spike Results Summary 97
- **7.4:** Matrix Spike Duplicate Results Summary 98
- **7.5:** Inst QC GN54023: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 99
- **7.6:** Inst QC GN54040: Nitrogen, Ammonia 101
- **7.7:** Inst QC GN54106: Nitrogen, Total Kjeldahl 103
- **7.8:** Inst QC GN54142: Fluoride,Nitrogen, Nitrate,Sulfate 105
- **7.9:** Inst QC GN54150: Nitrogen, Total Kjeldahl 108
- **7.10:** Inst QC GN54163: Fluoride 110
- **7.11:** Inst QC GN54202: Nitrogen, Ammonia 113
- **7.12:** Percent Solids Raw Data Summary 116

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA1466

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
FA1466-1	02/04/13	13:40	SD	02/06/13	AQ	Equipment Blank	SOIL-EB-2/4/13
FA1466-2	02/04/13	15:15	SD	02/06/13	AQ	Equipment Blank	WATER-EB-2/4/13
FA1466-2F	02/04/13	15:15	SD	02/06/13	AQ	Equipment Blank	WATER-EB-2/4/13
FA1466-3	02/05/13	11:45	SD	02/06/13	SO	Soil	A-42 (0-1)
FA1466-4	02/05/13	11:46	SD	02/06/13	SO	Soil	A-42 (1-2)
FA1466-5	02/05/13	11:47	SD	02/06/13	SO	Soil	A-42 (4-5)
FA1466-6	02/05/13	11:48	SD	02/06/13	SO	Soil	A-42 (9-10)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA1466

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 2/21/2013 10:00:03 AM

6 Sample(s) were collected on/between 02/04/2013 and 02/05/2013 and were received at Accutest SE on 02/06/2013 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of FA1466. 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:** MP24571

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) FA1474-1DUP, FA1474-1MS, FA1474-1MSD, FA1474-1PS, FA1474-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Antimony, Nickel are outside control limits for sample MP24571-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Arsenic, Nickel are outside control limits for sample MP24571-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO **Batch ID:** MP24574

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) FA1493-4DUP, FA1493-4MS, FA1493-4MSD, FA1493-4PS, FA1493-4SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

RPD(s) for Duplicate for Antimony are outside control limits for sample MP24574-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for MSD for Nickel are outside control limits for sample MP24574-S2. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Beryllium, Magnesium, Manganese, Nickel, Potassium, Aluminum, Arsenic, Barium, Calcium, Iron are outside control limits for sample MP24574-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24574-SD1 for Calcium: Serial dilution indicates possible matrix interference.

MP24574-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24574-SD1 for Barium: Serial dilution indicates possible matrix interference.

MP24574-SD1 for Arsenic: Serial dilution indicates possible matrix interference.
MP24574-SD1 for Aluminum: Serial dilution indicates possible matrix interference.

FA1466-4 for Barium: Sample dilution required due to sample matrix.

FA1466-3 for Sodium: Sample dilution required due to sample matrix.

FA1466-3 for Vanadium: Sample dilution required due to sample matrix.

FA1466-4 for Aluminum: Sample dilution required due to sample matrix.

FA1466-4 for Antimony: Sample dilution required due to sample matrix.

FA1466-4 for Arsenic: Sample dilution required due to sample matrix.

FA1466-3 for Potassium: Sample dilution required due to sample matrix.

FA1466-4 for Beryllium: Sample dilution required due to sample matrix.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24574

FA1466-4 for Cadmium: Sample dilution required due to sample matrix.
FA1466-4 for Calcium: Sample dilution required due to sample matrix.
FA1466-3 for Nickel: Sample dilution required due to sample matrix.
FA1466-4 for Iron: Sample dilution required due to sample matrix.
FA1466-4 for Magnesium: Sample dilution required due to sample matrix.
FA1466-4 for Chromium: Sample dilution required due to sample matrix.
FA1466-3 for Manganese: Sample dilution required due to sample matrix.
FA1466-3 for Magnesium: Sample dilution required due to sample matrix.
FA1466-3 for Iron: Sample dilution required due to sample matrix.
FA1466-3 for Beryllium: Sample dilution required due to sample matrix.
FA1466-3 for Barium: Sample dilution required due to sample matrix.
FA1466-3 for Arsenic: Sample dilution required due to sample matrix.
FA1466-6 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1466-4 for Manganese: Sample dilution required due to sample matrix.
FA1466-6 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1466-3 for Aluminum: Sample dilution required due to sample matrix.
FA1466-6 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1466-3 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1466-4 for Lead: Sample dilution required due to sample matrix.
FA1466-5 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1466-5 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1466-5 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1466-5 for Lead: Elevated reporting limit(s) due to matrix interference.
FA1466-5 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1466-5 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1466-4 for Nickel: Sample dilution required due to sample matrix.
FA1466-6 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1466-3 for Lead: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1466-6 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1466-5 for Iron: Sample dilution required due to sample matrix.
FA1466-4 for Potassium: Sample dilution required due to sample matrix.
FA1466-4 for Selenium: Sample dilution required due to sample matrix.
FA1466-4 for Sodium: Sample dilution required due to sample matrix.
FA1466-4 for Thallium: Sample dilution required due to sample matrix.
FA1466-4 for Vanadium: Sample dilution required due to sample matrix.
FA1466-5 for Aluminum: Sample dilution required due to sample matrix.
FA1466-5 for Arsenic: Sample dilution required due to sample matrix.
FA1466-3 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1466-5 for Beryllium: Sample dilution required due to sample matrix.
FA1466-3 for Chromium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24574

FA1466-5 for Magnesium: Sample dilution required due to sample matrix.

FA1466-5 for Manganese: Sample dilution required due to sample matrix.

FA1466-5 for Nickel: Sample dilution required due to sample matrix.

FA1466-5 for Potassium: Sample dilution required due to sample matrix.

FA1466-5 for Sodium: Sample dilution required due to sample matrix.

FA1466-5 for Vanadium: Sample dilution required due to sample matrix.

FA1466-6 for Lead: Sample dilution required due to sample matrix.

FA1466-6 for Thallium: Sample dilution required due to sample matrix.

FA1466-3 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA1466-3 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1466-5 for Barium: Sample dilution required due to sample matrix.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54015

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1466-1DUP was used as the QC samples for Specific Conductivity.

FA1466-1 for Specific Conductivity: Sample received outside the holding time.

FA1466-2 for Specific Conductivity: Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP20922

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) FA1323-1MS, FA1323-1MSD 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. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Matrix: SO **Batch ID:** GP20972

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) FA1466-6MS, FA1466-6MSD were used as the QC samples for Nitrogen, Nitrate, Fluoride, Sulfate.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Sulfate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

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

FA1466-3 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1466-6 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 350.1

Matrix: AQ **Batch ID:** GP20926

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) FA1451-15MS, FA1451-15MSD were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP20995

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) FA1446-4MS, FA1446-4MSD were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 351.2

Matrix: AQ **Batch ID:** GP20969

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) FA1479-1MSD, FA1479-1MS were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 351.2 M

Matrix: SO **Batch ID:** GP20934

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) FA1446-1MSD, FA1446-1MS were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl 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 EPA 365.3

Matrix: AQ **Batch ID:** GP20930

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) FA1466-2FDUP, FA1466-2FMS were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP20981

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1566-1DUP, FA1566-1MSD 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 EPA 365.3M

Matrix: SO **Batch ID:** GP20962

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) FA1446-2DUP, FA1446-2MSD were used as the QC samples for Phosphorus, Total.

Matrix Spike 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.

Matrix: SO **Batch ID:** GP20980

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) FA1466-5DUP, FA1466-5MSD 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:** GN54016

Sample(s) FA1466-1DUP was used as the QC sample for pH.

FA1466-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA1466-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54160

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1526-1DUP, FA1526-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54052

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1507-3DUP was used as the QC samples for Solids, Total Dissolved.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN54014

Sample(s) FA1466-3DUP was used as the QC sample for Solids, Percent.

RPD(s) for Duplicate for Solids, Percent are outside control limits for sample GN54014-D2. Probable cause is due to sample non-homogeneity.

GN54014-D2 for Solids, Percent: Outside control limits.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54242

Sample(s) FA1466-3DUP was used as the QC sample for pH.

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: February 21, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1466
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/04/13 thru 02/05/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1466-1	**SOIL-EB-2/4/13**					
Calcium		150 J	1000	50	ug/l	SW846 6010C
Iron		40.1 J	300	29	ug/l	SW846 6010C
Lead		16.5	5.0	1.1	ug/l	SW846 6010C
Manganese		1.4 J	15	0.70	ug/l	SW846 6010C
Fluoride		0.089 J	0.20	0.060	mg/l	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		0.38 J	0.53	0.17	mg/l	EPA 351.2
Specific Conductivity [a]		9.3	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1.1 J	2.0	0.60	mg/l	EPA 300/SW846 9056A
pH [b]		4.40			su	SM 4500H B/SW 9040C
FA1466-2	**WATER-EB-2/4/13**					
Aluminum		23.1 J	200	15	ug/l	SW846 6010C
Calcium		170 J	1000	50	ug/l	SW846 6010C
Iron		53.6 J	300	29	ug/l	SW846 6010C
Fluoride		0.10 J	0.20	0.060	mg/l	EPA 300/SW846 9056A
Solids, Total Dissolved		13.0 J	100	10	mg/l	SM19 2540C
Specific Conductivity [a]		35.9	1.0	1.0	umhos/cm	EPA 120.1
pH [b]		3.72			su	SM 4500H B/SW 9040C
FA1466-2F	**WATER-EB-2/4/13**					
No hits reported in this sample.						
FA1466-3	**A-42 (0-1)**					
Aluminum [c]		8460	33	3.3	mg/kg	SW846 6010C
Arsenic [c]		3.6	1.7	0.27	mg/kg	SW846 6010C
Barium [c]		108	33	0.83	mg/kg	SW846 6010C
Beryllium [c]		0.49 J	0.83	0.083	mg/kg	SW846 6010C
Cadmium [d]		14.1	1.3	0.17	mg/kg	SW846 6010C
Calcium		126000	1700	17	mg/kg	SW846 6010C
Chromium [d]		105	3.3	0.60	mg/kg	SW846 6010C
Iron [c]		9800	50	12	mg/kg	SW846 6010C
Lead [d]		8.2	6.7	0.37	mg/kg	SW846 6010C
Magnesium [c]		7140	830	13	mg/kg	SW846 6010C
Manganese [c]		488	2.5	0.15	mg/kg	SW846 6010C
Nickel [c]		9.1	6.7	0.083	mg/kg	SW846 6010C
Potassium [c]		2650	1700	33	mg/kg	SW846 6010C
Sodium [c]		1200 J	1700	83	mg/kg	SW846 6010C
Vanadium [c]		109	8.3	0.083	mg/kg	SW846 6010C
Fluoride		239	5.3	1.3	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		113	2.5	0.55	mg/kg	EPA 350.1 M

Summary of Hits

Job Number: FA1466
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/04/13 thru 02/05/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nitrogen, Total Kjeldahl		322	11	4.5	mg/kg	EPA 351.2 M
Phosphorus, Total		36700	11000	1700	mg/kg	EPA 365.3M
Sulfate		502	110	32	mg/kg	EPA 300/SW846 9056A
pH		10.38			su	SW846 9045D
FA1466-4	**A-42 (1-2)**					
Aluminum [c]		8920	45	4.5	mg/kg	SW846 6010C
Arsenic [c]		4.1	2.2	0.36	mg/kg	SW846 6010C
Barium [c]		105	45	1.1	mg/kg	SW846 6010C
Beryllium [c]		0.85 J	1.1	0.11	mg/kg	SW846 6010C
Cadmium [c]		40.1	0.89	0.11	mg/kg	SW846 6010C
Calcium [c]		101000	1100	11	mg/kg	SW846 6010C
Chromium [c]		107	2.2	0.40	mg/kg	SW846 6010C
Iron [c]		14000	67	16	mg/kg	SW846 6010C
Lead [c]		12.2	4.5	0.25	mg/kg	SW846 6010C
Magnesium [c]		7200	1100	17	mg/kg	SW846 6010C
Manganese [c]		844	3.3	0.20	mg/kg	SW846 6010C
Nickel [c]		21.8	8.9	0.11	mg/kg	SW846 6010C
Potassium [c]		2490	2200	45	mg/kg	SW846 6010C
Sodium [c]		939 J	2200	110	mg/kg	SW846 6010C
Vanadium [c]		177	11	0.11	mg/kg	SW846 6010C
Fluoride		103	5.4	1.3	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		46.9	1.3	0.28	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		20.1	5.4	2.7	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		419	22	8.9	mg/kg	EPA 351.2 M
Phosphorus, Total		4810	1400	210	mg/kg	EPA 365.3M
Sulfate		436	110	32	mg/kg	EPA 300/SW846 9056A
pH		7.59			su	SW846 9045D
FA1466-5	**A-42 (4-5)**					
Aluminum [c]		9440	47	4.7	mg/kg	SW846 6010C
Arsenic [c]		3.7	2.4	0.38	mg/kg	SW846 6010C
Barium [c]		102	47	1.2	mg/kg	SW846 6010C
Beryllium [c]		0.49 J	1.2	0.12	mg/kg	SW846 6010C
Cadmium [d]		16.1	1.9	0.24	mg/kg	SW846 6010C
Calcium		150000	2400	24	mg/kg	SW846 6010C
Chromium [d]		51.9	4.7	0.85	mg/kg	SW846 6010C
Iron [c]		6750	71	17	mg/kg	SW846 6010C
Lead [d]		30.8	9.5	0.52	mg/kg	SW846 6010C
Magnesium [c]		6490	1200	18	mg/kg	SW846 6010C
Manganese [c]		1980	3.6	0.21	mg/kg	SW846 6010C
Nickel [c]		20.1	9.5	0.12	mg/kg	SW846 6010C
Potassium [c]		2640	2400	47	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1466
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/04/13 thru 02/05/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Sodium [c]	1310 J	2400	120	mg/kg	SW846 6010C
Vanadium [c]	91.8	12	0.12	mg/kg	SW846 6010C
Fluoride	231	5.3	1.3	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	21.3	1.2	0.27	mg/kg	EPA 350.1 M
Nitrogen, Nitrate	11.7	5.3	2.7	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	163	51	20	mg/kg	EPA 351.2 M
Phosphorus, Total	12700	4800	740	mg/kg	EPA 365.3M
Sulfate	619	110	32	mg/kg	EPA 300/SW846 9056A
pH	5.96			su	SW846 9045D
FA1466-6 A-42 (9-10)					
Aluminum [d]	19900	82	8.2	mg/kg	SW846 6010C
Antimony [d]	2.0 J	8.2	0.78	mg/kg	SW846 6010C
Arsenic [d]	2.6 J	4.1	0.65	mg/kg	SW846 6010C
Barium [d]	306	82	2.0	mg/kg	SW846 6010C
Beryllium [d]	0.41 J	2.0	0.20	mg/kg	SW846 6010C
Cadmium [d]	8.5	1.6	0.20	mg/kg	SW846 6010C
Calcium [d]	25300	2000	20	mg/kg	SW846 6010C
Chromium [d]	497	4.1	0.74	mg/kg	SW846 6010C
Iron [d]	15400	120	29	mg/kg	SW846 6010C
Lead [c]	12.6	4.1	0.23	mg/kg	SW846 6010C
Magnesium [d]	392 J	2000	31	mg/kg	SW846 6010C
Manganese [d]	17.3	6.1	0.37	mg/kg	SW846 6010C
Nickel [d]	3.5 J	16	0.20	mg/kg	SW846 6010C
Potassium [d]	8090	4100	82	mg/kg	SW846 6010C
Sodium [d]	2430 J	4100	200	mg/kg	SW846 6010C
Thallium [c]	1.7 J	2.0	0.37	mg/kg	SW846 6010C
Vanadium [d]	235	20	0.20	mg/kg	SW846 6010C
Fluoride	3170	64	16	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	221	7.4	1.6	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	627	66	26	mg/kg	EPA 351.2 M
Phosphorus, Total	53700	13000	2100	mg/kg	EPA 365.3M
Sulfate	1610	130	39	mg/kg	EPA 300/SW846 9056A
pH	2.82			su	SW846 9045D

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SOIL-EB-2/4/13		
Lab Sample ID:	FA1466-1	**Date Sampled:**	02/04/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/06/13
		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	15 U	200	15	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Barium	1.0 U	200	1.0	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	150 J	1000	50	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	40.1 J	300	29	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	16.5	5.0	1.1	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	1.4 J	15	0.70	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.50 U	40	0.50	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	1.3 U	10	1.3	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.0 U	50	1.0	ug/l	1	02/06/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10519
(2) Prep QC Batch: MP24571

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:	SOIL-EB-2/4/13		
Lab Sample ID:	FA1466-1	**Date Sampled:**	02/04/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/06/13
		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
Fluoride	0.089 J	0.20	0.060	mg/l	1	02/06/13 12:26	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	0.030 U	0.10	0.030	mg/l	1	02/07/13 13:51	VK	EPA 350.1
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	02/06/13 12:26	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	0.38 J	0.53	0.17	mg/l	1	02/14/13 12:31	MG	EPA 351.2
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/14/13 10:51	LE	EPA 365.3
Specific Conductivity [a]	9.3	1.0	1.0	umhos/cm	1	02/06/13 14:30	TC	EPA 120.1
Sulfate	1.1 J	2.0	0.60	mg/l	1	02/06/13 12:26	AA	EPA 300/SW846 9056A
pH [b]	4.40			su	1	02/06/13 15:07	TC	SM 4500H B/SW 9040C

(a) Sample received outside the holding time.
(b) 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:	WATER-EB-2/4/13		
Lab Sample ID:	FA1466-2	**Date Sampled:**	02/04/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/06/13
		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	23.1 J	200	15	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	170 J	1000	50	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	53.6 J	300	29	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10519
(2) Prep QC Batch: MP24571

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:	WATER-EB-2/4/13		
Lab Sample ID:	FA1466-2	**Date Sampled:**	02/04/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/06/13
		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	02/19/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/19/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/14/13 08:15	AC	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	02/06/13 12:42	AA	EPA 300/SW846 9056A
Fluoride	0.10 J	0.20	0.060	mg/l	1	02/06/13 12:42	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	02/06/13 12:42	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/14/13 10:51	LE	EPA 365.3
Solids, Total Dissolved	13.0 J	100	10	mg/l	1	02/08/13	MG	SM19 2540C
Specific Conductivity [a]	35.9	1.0	1.0	umhos/cm	1	02/06/13 14:30	TC	EPA 120.1
Sulfate	0.60 U	2.0	0.60	mg/l	1	02/06/13 12:42	AA	EPA 300/SW846 9056A
pH [b]	3.72			su	1	02/06/13 15:07	TC	SM 4500H B/SW 9040C

(a) Sample received outside the holding time.
(b) 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:	WATER-EB-2/4/13		
Lab Sample ID:	FA1466-2F	**Date Sampled:**	02/04/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/06/13
		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	0.020 U	0.10	0.020	mg/l	1	02/06/13 14:00	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-42 (0-1)
Lab Sample ID: FA1466-3 **Date Sampled:** 02/05/13
Matrix: SO - Soil **Date Received:** 02/06/13
Percent Solids: 93.8
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	8460	33	3.3	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Antimony [b]	0.63 U	6.7	0.63	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	3.6	1.7	0.27	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Barium [a]	108	33	0.83	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Beryllium [a]	0.49 J	0.83	0.083	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Cadmium [b]	14.1	1.3	0.17	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium	126000	1700	17	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [b]	105	3.3	0.60	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	9800	50	12	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Lead [b]	8.2	6.7	0.37	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Magnesium [a]	7140	830	13	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Manganese [a]	488	2.5	0.15	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Nickel [a]	9.1	6.7	0.083	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Potassium [a]	2650	1700	33	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Selenium [b]	1.0 U	6.7	1.0	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	1200 J	1700	83	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Thallium [b]	0.60 U	3.3	0.60	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	109	8.3	0.083	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA10518
(2) Instrument QC Batch: MA10521
(3) Prep QC Batch: MP24574

(a) Sample dilution required due to sample matrix.
(b) 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-42 (0-1)		
Lab Sample ID:	FA1466-3	**Date Sampled:**	02/05/13
Matrix:	SO - Soil	**Date Received:**	02/06/13
		Percent Solids:	93.8
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	239	5.3	1.3	mg/kg	5	02/12/13 20:29	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	113	2.5	0.55	mg/kg	2	02/18/13 14:28	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	2.7 U	5.3	2.7	mg/kg	5	02/12/13 20:29	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	322	11	4.5	mg/kg	1	02/12/13 11:49	TC	EPA 351.2 M
Phosphorus, Total	36700	11000	1700	mg/kg	250	02/13/13 12:35	LE	EPA 365.3M
Solids, Percent	93.8			%	1	02/06/13	HH	SM19 2540G
Sulfate	502	110	32	mg/kg	5	02/12/13 20:29	AA	EPA 300/SW846 9056A
pH	10.38			su	1	02/20/13 13:30	AA	SW846 9045D

(a) Dilution required 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-42 (1-2)		
Lab Sample ID:	FA1466-4	**Date Sampled:**	02/05/13
Matrix:	SO - Soil	**Date Received:**	02/06/13
		Percent Solids:	92.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	8920	45	4.5	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.42 U	4.5	0.42	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.1	2.2	0.36	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	105	45	1.1	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.85 J	1.1	0.11	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	40.1	0.89	0.11	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	101000	1100	11	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	107	2.2	0.40	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	14000	67	16	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	12.2	4.5	0.25	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	7200	1100	17	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	844	3.3	0.20	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	21.8	8.9	0.11	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	2490	2200	45	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.67 U	4.5	0.67	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	939 J	2200	110	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.40 U	2.2	0.40	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	177	11	0.11	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10518
(2) Prep QC Batch: MP24574

(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-42 (1-2)		
Lab Sample ID:	FA1466-4	**Date Sampled:**	02/05/13
Matrix:	SO - Soil	**Date Received:**	02/06/13
		Percent Solids:	92.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	103	5.4	1.3	mg/kg	5	02/12/13 20:45	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	46.9	1.3	0.28	mg/kg	1	02/18/13 13:40	VK	EPA 350.1 M
Nitrogen, Nitrate	20.1	5.4	2.7	mg/kg	5	02/12/13 20:45	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	419	22	8.9	mg/kg	2	02/12/13 12:06	TC	EPA 351.2 M
Phosphorus, Total	4810	1400	210	mg/kg	25	02/13/13 12:35	LE	EPA 365.3M
Solids, Percent	92.7			%	1	02/06/13	HH	SM19 2540G
Sulfate	436	110	32	mg/kg	5	02/12/13 20:45	AA	EPA 300/SW846 9056A
pH	7.59			su	1	02/20/13 13:30	AA	SW846 9045D

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-42 (4-5)
Lab Sample ID: FA1466-5
Matrix: SO - Soil
Date Sampled: 02/05/13
Date Received: 02/06/13
Percent Solids: 94.3
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	9440	47	4.7	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Antimony [b]	0.90 U	9.5	0.90	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	3.7	2.4	0.38	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Barium [a]	102	47	1.2	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Beryllium [a]	0.49 J	1.2	0.12	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Cadmium [b]	16.1	1.9	0.24	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium	150000	2400	24	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [b]	51.9	4.7	0.85	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	6750	71	17	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Lead [b]	30.8	9.5	0.52	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Magnesium [a]	6490	1200	18	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Manganese [a]	1980	3.6	0.21	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Nickel [a]	20.1	9.5	0.12	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Potassium [a]	2640	2400	47	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Selenium [b]	1.4 U	9.5	1.4	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	1310 J	2400	120	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Thallium [b]	0.85 U	4.7	0.85	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	91.8	12	0.12	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA10518
(2) Instrument QC Batch: MA10521
(3) Prep QC Batch: MP24574

(a) Sample dilution required due to sample matrix.
(b) 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-42 (4-5)		
Lab Sample ID:	FA1466-5	**Date Sampled:**	02/05/13
Matrix:	SO - Soil	**Date Received:**	02/06/13
		Percent Solids:	94.3
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	231	5.3	1.3	mg/kg	5	02/12/13 21:01	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	21.3	1.2	0.27	mg/kg	1	02/18/13 13:41	VK	EPA 350.1 M
Nitrogen, Nitrate	11.7	5.3	2.7	mg/kg	5	02/12/13 21:01	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	163	51	20	mg/kg	5	02/12/13 12:07	TC	EPA 351.2 M
Phosphorus, Total	12700	4800	740	mg/kg	100	02/15/13 11:00	LE	EPA 365.3M
Solids, Percent	94.3			%	1	02/06/13	HH	SM19 2540G
Sulfate	619	110	32	mg/kg	5	02/12/13 21:01	AA	EPA 300/SW846 9056A
pH	5.96			su	1	02/20/13 13:30	AA	SW846 9045D

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-42 (9-10)
Lab Sample ID: FA1466-6
Matrix: SO - Soil
Date Sampled: 02/05/13
Date Received: 02/06/13
Percent Solids: 77.8
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	19900	82	8.2	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	2.0 J	8.2	0.78	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	2.6 J	4.1	0.65	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	306	82	2.0	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.41 J	2.0	0.20	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	8.5	1.6	0.20	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	25300	2000	20	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	497	4.1	0.74	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	15400	120	29	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	12.6	4.1	0.23	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	392 J	2000	31	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	17.3	6.1	0.37	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	3.5 J	16	0.20	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	8090	4100	82	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	1.2 U	8.2	1.2	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	2430 J	4100	200	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [b]	1.7 J	2.0	0.37	mg/kg	5	02/07/13	02/07/13	LM	SW846 6010C [1]	SW846 3050B [3]
Vanadium [a]	235	20	0.20	mg/kg	10	02/07/13	02/08/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10518
(2) Instrument QC Batch: MA10521
(3) Prep QC Batch: MP24574

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-42 (9-10)		
Lab Sample ID:	FA1466-6	**Date Sampled:**	02/05/13
Matrix:	SO - Soil	**Date Received:**	02/06/13
		Percent Solids:	77.8
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	3170	64	16	mg/kg	50	02/13/13 20:54	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	221	7.4	1.6	mg/kg	5	02/18/13 14:29	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.2 U	6.4	3.2	mg/kg	5	02/12/13 22:05	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	627	66	26	mg/kg	5	02/12/13 12:08	TC	EPA 351.2 M
Phosphorus, Total	53700	13000	2100	mg/kg	250	02/15/13 11:00	LE	EPA 365.3M
Solids, Percent	77.8			%	1	02/06/13	HH	SM19 2540G
Sulfate	1610	130	39	mg/kg	5	02/12/13 22:05	AA	EPA 300/SW846 9056A
pH	2.82			su	1	02/20/13 13:30	AA	SW846 9045D

(a) Dilution required due to matrix interference.

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

CHAIN OF CUSTODY RECORD

FA1466

Page 1 of 1

N° 02981

Project Number: 36785-01

Site and Location: AGRIUM CPO SODA SPRINGS ID

Contact Name: TIM.HUFF@WSPGROUP.COM

Contact Email:

Sampler's Name: STEVEN DAWSON

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

Sample Identification	Depth	Date	Time	Matrix	Number of Containers	Anions & General Chem	Total Metals F	Total Phosphorus	Ammonia Organic	TKN	Metals F	RH	Orthophosphate		Remarks
SOIL-EB-2/4/13		2-4-13	1340	AQ	4	X	X	X	X	X		X			1
WATER-EB-2/4/13		2-4-13	1515	AQ	4	X	X	X	X	X		X	X		2
A-42 (0-1)	0-1'	2-5-13	1145	S	1	X		X	X	X	X	X			3
A-42 (1-2)	1'-2'	2-5-13	1146	S	1	X		X	X	X	X	X			4
A-42 (4-5)	4'-5'	2-5-13	1147	S	1	X		X	X	X	X	X			5
A-42 (9-10)	9'-10'	2-5-13	1148	S	1	X		X	X	X	X	X			6

Relinquished by (Signature): Date/Time 2/5 1230

Received by (Signature): FX

Relinquished by (Signature): FX 020613 Date/Time 930

Received by (Signature): R Williams ACSE

Turn-Around Time: STD

Tracking Number: 8770 4643 9705

Laboratory Name: ACCUTEST

Laboratory Location: ORLANDO FL

Custody Seal Numbers: 1669

Method of Shipment: FEDEX

WSP Environment & Energy

26

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA1466: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1466 CLIENT: WSP PROJECT: Argium

DATE/TIME RECEIVED: 02-06-13 930 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8013 5708 4123

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

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] 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: Sample 1,2 Received (SCON) out of Hold time

TECHNICIAN SIGNATURE/DATE [signature] 02-06-13 REVIEWER SIGNATURE/DATE [signature] 2-6-13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA1466: Chain of Custody
Page 2 of 3

Job Change Order: FA1466_2/6/2013

Requested Date:	2/6/2013	**Received Date:**	2/6/2013
Account Name:	WSP Environment & Energy	**Due Date:**	2/20/2013
Project Description:	Nu-West Conda Phosphate Operations, 3010	**Deliverable:**	REDT1
CSR:	AC	**TAT (Days):**	14

Sample #:
FA1466-1,3,4,5,6

Change: Please add nickel to the metals list.

Above Changes Tim Huff **Date:** 2/6/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

FA1466: Chain of Custody
Page 3 of 3

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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10518
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:47	MA10518-STD1	1		STDA
07:51	MA10518-STD2	1		STDB
07:56	MA10518-STD3	1		STDC
08:00	MA10518-STD4	1		STDD
08:04	MA10518-HSTD1	1		
08:12	MA10518-ICV1	1		
08:19	MA10518-ICB1	1		
08:30	MA10518-CRIA1	1		
08:39	MA10518-ICSA1	1		
08:50	MA10518-ICSAB1	1		
08:58	MA10518-CCV1	1		
09:06	MA10518-CCB1	1		
09:10	MP24572-MB1	1		
09:14	MP24572-B1	1		
09:19	FA1471-1	1		(sample used for QC only; not part of login FA1466)
09:23	MP24572-D1	1		
09:28	MP24572-SD1	5		
09:32	MP24572-PS1	1		
09:37	MP24572-S1	1		
09:41	MP24572-S2	1		
09:46	ZZZZZZ	1		
09:50	ZZZZZZ	1		
09:55	MA10518-CCV2	1		
09:59	MA10518-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		
10:30	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:39	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10518
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:44	ZZZZZZ	1		
10:48	MA10518-CCV3	1		
10:52	MA10518-CCB3	1		
10:57	ZZZZZZ	1		
11:01	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:10	ZZZZZZ	1		
11:14	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:33	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:42	MA10518-CCV4	1		
11:46	MA10518-CCB4	1		
11:51	MP24574-MB1	1		
11:55	MP24574-B1	1		
12:00	FA1493-4	1		(sample used for QC only; not part of login FA1466)
12:04	MP24574-D1	1		
12:09	MP24574-SD1	5		
12:13	MP24574-PS1	1		
12:17	MP24574-S1	1		
12:22	MP24574-S2	1		
12:26	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:35	MA10518-CCV5	1		
12:39	MA10518-CCB5	1		
12:44	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:53	FA1466-3	5		
12:57	FA1466-4	5		
13:02	FA1466-5	5		
13:06	FA1466-6	5		
---------->	Last reportable sample/prep for job FA1466			
13:11	MP24575-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10518
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:15	MP24575-B1	1		
13:20	FA1468-7F	1		(sample used for QC only; not part of login FA1466)
13:24	MP24575-D1	1		
13:29	MA10518-CCV6	1		
13:33	MA10518-CCB6	1		
14:02	MA10518-CCV7	1		
14:12	MA10518-CCB7	1		
14:16	MP24575-SD1	5		
14:20	MP24575-PS1	1		
14:25	MP24575-S1	1		
14:29	MP24575-S2	1		
14:33	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:47	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:56	ZZZZZZ	1		
15:01	MA10518-CCV8	1		
15:05	MA10518-CCB8	1		
15:09	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:41	MP24575-MB2A	1		
15:54	MA10518-CCV9	1		
15:59	MA10518-CCB9	1		
16:03	MA10518-CRIA2	1		
16:08	MA10518-ICSA2	1		
16:12	MA10518-ICSAB2	1		
16:17	MA10518-CCV10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10518
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:21	MA10518-CCB10	1		

----------> Last reportable CCB for job FA1466
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10518
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:47	MA10518-STD1	2323	19059	7007	1359
07:51	MA10518-STD2	2258	18255	6884	1256
07:56	MA10518-STD3	2158	17426	6784	1128
08:00	MA10518-STD4	2090	17067	6857	1041
08:04	MA10518-HSTD1	2094	17004	6808	1041
08:12	MA10518-ICV1	2150	17302	6748	1119
08:19	MA10518-ICB1	2303 R	18686 R	6998 R	1347 R
08:30	MA10518-CRIA1	2245	18098	6767	1273
08:39	MA10518-ICSA1	1967	15366	6600	977
08:50	MA10518-ICSAB1	1951	15204	6514	957
08:58	MA10518-CCV1	2142	17068	6686	1112
09:06	MA10518-CCB1	2264	18223	6774	1320
09:10	MP24572-MB1	2313	18823	7019	1337
09:14	MP24572-B1	2213	17673	6876	1186
09:19	FA1471-1	2381	18898	7468	1175
09:23	MP24572-D1	2545	20439	8204	1155
09:28	MP24572-SD1	2301	18504	7072	1239
09:32	MP24572-PS1	2367	18822	7553	1155
09:37	MP24572-S1	2450	19597	7852	1125
09:41	MP24572-S2	2416	19421	7829	1110
09:46	ZZZZZZ	2515	20253	8098	1186
09:50	ZZZZZZ	2450	18829	7777	1122
09:55	MA10518-CCV2	2149	17300	6667	1118
09:59	MA10518-CCB2	2276	18464	6786	1328
10:04	ZZZZZZ	2458	19603	7870	1117
10:08	ZZZZZZ	2617	20951	8054	1219
10:13	ZZZZZZ	2431	19590	7405	1255
10:17	ZZZZZZ	2343	18862	7121	1269
10:22	ZZZZZZ	2370	19020	7209	1274
10:26	ZZZZZZ	2407	19307	7340	1252
10:30	ZZZZZZ	2519	20186	7867	1168
10:35	ZZZZZZ	2469	19904	7655	1242
10:39	ZZZZZZ	2411	19325	7346	1248

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10518
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:44	ZZZZZZ	2436	19623	7439	1243
10:48	MA10518-CCV3	2148	17292	6624	1116
10:52	MA10518-CCB3	2267	18489	6801	1316
10:57	ZZZZZZ	2309	18661	7124	1216
11:01	ZZZZZZ	2704	21869	8201	1254
11:06	ZZZZZZ	2311	18714	7027	1220
11:10	ZZZZZZ	2534	20549	7888	1215
11:14	ZZZZZZ	2556	20651	7942	1196
11:23	ZZZZZZ	2229	18287	7212	1123
11:28	ZZZZZZ	2226	18145	7312	1047
11:33	ZZZZZZ	2333	19185	7715	1087
11:37	ZZZZZZ	2060	16782	6633	1100
11:42	MA10518-CCV4	2109	17191	6552	1106
11:46	MA10518-CCB4	2219	18370	6577	1308
11:51	MP24574-MB1	2275	19115	6971	1338
11:55	MP24574-B1	2160	17705	6809	1171
12:00	FA1493-4	2308	18900	7043	1250
12:04	MP24574-D1	2309	18875	6962	1246
12:09	MP24574-SD1	2274	18725	6800	1301
12:13	MP24574-PS1	2275	18533	6985	1210
12:17	MP24574-S1	2239	18114	7007	1146
12:22	MP24574-S2	2206	17948	6931	1146
12:26	ZZZZZZ	2310	19016	7045	1248
12:30	ZZZZZZ	2314	19019	7126	1235
12:35	MA10518-CCV5	2105	17230	6567	1101
12:39	MA10518-CCB5	2208	18259	6522	1306
12:44	ZZZZZZ	2350	19419	7349	1202
12:48	ZZZZZZ	2125	17295	7260	907
12:53	FA1466-3	2848	23198	9448	957
12:57	FA1466-4	2668	21847	8669	1008
13:02	FA1466-5	2595	21191	8559	970
13:06	FA1466-6	3326 !	27535 !	10759 !	1068
13:11	MP24575-MB1	2204	18631	6750	1308

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10518
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:15	MP24575-B1	2102	17426	6538	1154
13:20	FA1468-7F	2155	18225	6701	1254
13:24	MP24575-D1	2156	18103	6720	1244
13:29	MA10518-CCV6	2060	17065	6469	1085
13:33	MA10518-CCB6	2178	18258	6569	1299
14:02	MA10518-CCV7	2007	16801	6314	1076
14:12	MA10518-CCB7	2151	18035	6458	1276
14:16	MP24575-SD1	2143	17962	6520	1268
14:20	MP24575-PS1	2098	17717	6567	1200
14:25	MP24575-S1	2053	17276	6547	1126
14:29	MP24575-S2	2045	17187	6532	1115
14:33	ZZZZZZ	2083	17641	6563	1202
14:38	ZZZZZZ	2128	18219	6599	1256
14:42	ZZZZZZ	2114	18049	6672	1246
14:47	ZZZZZZ	2099	18058	6689	1223
14:51	ZZZZZZ	2132	18388	6660	1268
14:56	ZZZZZZ	2122	18372	6652	1261
15:01	MA10518-CCV8	1994	16926	6407	1067
15:05	MA10518-CCB8	2125	18176	6517	1271
15:09	ZZZZZZ	2102	18148	6627	1242
15:14	ZZZZZZ	2113	18232	6558	1260
15:18	ZZZZZZ	2112	18292	6612	1256
15:23	ZZZZZZ	2090	18112	6553	1222
15:27	ZZZZZZ	2109	18268	6548	1259
15:32	ZZZZZZ	2090	18178	6588	1242
15:36	ZZZZZZ	2089	18302	6651	1238
15:41	MP24575-MB2A	2142	18882	6553	1308
15:54	MA10518-CCV9	2006	17240	6390	1084
15:59	MA10518-CCB9	2121	18409	6377	1293
16:03	MA10518-CRIA2	2070	17959	6299	1225
16:08	MA10518-ICSA2	1814	15226	6128	945
16:12	MA10518-ICSAB2	1818	15274	6170	933
16:17	MA10518-CCV10	1996	17190	6297	1086

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10518
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:21	MA10518-CCB10	2121	18444	6408	1291

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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10518 Units: ug/l

Time:			08:19		09:06		09:59		10:52	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.1	<200	6.2	<200	6.5	<200	8.4	<200
Antimony	6.0	1.3	-0.40	<6.0	-0.60	<6.0	-1.2	<6.0	-0.40	<6.0
Arsenic	10	1.6	0.60	<10	1.0	<10	1.3	<10	1.4	<10
Barium	200	1	-0.10	<200	0.10	<200	0.20	<200	0.10	<200
Beryllium	4.0	.5	0.0	<4.0	0.10	<4.0	0.10	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	4.1	<1000	6.7	<1000	4.7	<1000	3.4	<1000
Chromium	10	1.8	0.0	<10	0.20	<10	-0.10	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-0.80	<300	5.0	<300	7.0	<300	2.3	<300
Lead	5.0	1.1	0.0	<5.0	-0.50	<5.0	0.30	<5.0	0.20	<5.0
Magnesium	5000	74	-11	<5000	-1.5	<5000	13.4	<5000	14.5	<5000
Manganese	15	.7	0.10	<15	0.10	<15	0.10	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	0.30	<40	-0.20	<40	0.10	<40
Potassium	10000	200	8.8	<10000	-2.5	<10000	6.7	<10000	-2.4	<10000
Selenium	10	2	-1.0	<10	-1.2	<10	-3.0	<10	-2.9	<10
Silver	10	.5	anr							
Sodium	10000	500	10.7	<10000	0.80	<10000	-9.6	<10000	-9.0	<10000
Strontium	10	.5								
Thallium	10	1.3	0.50	<10	1.2	<10	0.70	<10	0.50	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.20	<50	-0.20	<50	0.10	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10518 Units: ug/l

Time:			11:46		12:39		13:33		14:12	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.3	<200	4.4	<200	4.5	<200	-2.8	<200
Antimony	6.0	1.3	-0.20	<6.0	-1.3	<6.0	0.20	<6.0	0.10	<6.0
Arsenic	10	1.6	1.2	<10	0.0	<10	1.2	<10	0.70	<10
Barium	200	1	0.20	<200	0.20	<200	0.0	<200	0.0	<200
Beryllium	4.0	.5	0.20	<4.0	0.20	<4.0	0.20	<4.0	0.0	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	6.6	<1000	4.8	<1000	4.3	<1000	4.0	<1000
Chromium	10	1.8	0.30	<10	0.0	<10	0.10	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	3.3	<300	3.8	<300	3.0	<300	3.5	<300
Lead	5.0	1.1	0.10	<5.0	-0.10	<5.0	0.60	<5.0	0.60	<5.0
Magnesium	5000	74	13.5	<5000	0.0	<5000	18.1	<5000	5.0	<5000
Manganese	15	.7	0.10	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.30	<40	-0.10	<40	-0.40	<40	-0.10	<40
Potassium	10000	200	-7.7	<10000	14.0	<10000	39.0	<10000	16.6	<10000
Selenium	10	2	-0.80	<10	-0.60	<10	-2.0	<10	1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	15.5	<10000	-4.8	<10000	18.1	<10000	-2.1	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.10	<10	0.50	<10	1.2	<10	0.40	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.0	<50	-0.20	<50	0.20	<50	-0.20	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10518 Units: ug/l

Time:			15:05		15:59		16:21	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	12.1	<200	8.3	<200	8.1	<200
Antimony	6.0	1.3	1.0	<6.0	0.40	<6.0	0.80	<6.0
Arsenic	10	1.6	0.20	<10	1.1	<10	0.70	<10
Barium	200	1	0.20	<200	0.20	<200	0.10	<200
Beryllium	4.0	.5	0.20	<4.0	0.20	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	14.8	<1000	14.0	<1000	15.6	<1000
Chromium	10	1.8	0.80	<10	0.50	<10	0.80	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	14.1	<300	16.1	<300	20.3	<300
Lead	5.0	1.1	0.60	<5.0	0.50	<5.0	0.40	<5.0
Magnesium	5000	74	18.5	<5000	9.1	<5000	18.0	<5000
Manganese	15	.7	0.20	<15	0.20	<15	0.20	<15
Molybdenum	50	.6						
Nickel	40	.5	0.20	<40	0.10	<40	-0.10	<40
Potassium	10000	200	-2.6	<10000	21.1	<10000	27.3	<10000
Selenium	10	2	-0.20	<10	0.70	<10	0.40	<10
Silver	10	.5	anr					
Sodium	10000	500	10.8	<10000	3.1	<10000	13.7	<10000
Strontium	10	.5						
Thallium	10	1.3	-1.4	<10	1.0	<10	0.20	<10
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5	-0.30	<50	0.20	<50	-0.10	<50
Zinc	20	3	anr					

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10518 Units: ug/l

Time:		08:12			08:58			09:55	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	40100	100.3	40000	40900	102.3
Antimony	2000	2020	101.0	2000	2000	100.0	2000	2030	101.5
Arsenic	2000	1990	99.5	2000	1990	99.5	2000	2040	102.0
Barium	2000	2150	107.5	2000	2070	103.5	2000	2070	103.5
Beryllium	2000	2070	103.5	2000	2050	102.5	2000	2060	103.0
Cadmium	2000	2030	101.5	2000	2020	101.0	2000	2070	103.5
Calcium	40000	42800	107.0	40000	40900	102.3	40000	41500	103.8
Chromium	2000	2060	103.0	2000	2060	103.0	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	42800	107.0	40000	41400	103.5	40000	42100	105.3
Lead	2000	1990	99.5	2000	2000	100.0	2000	2040	102.0
Magnesium	40000	41800	104.5	40000	40900	102.3	40000	41300	103.3
Manganese	2000	2050	102.5	2000	2070	103.5	2000	2090	104.5
Molybdenum									
Nickel	2000	2050	102.5	2000	2030	101.5	2000	2070	103.5
Potassium	40000	42000	105.0	40000	40400	101.0	40000	40900	102.3
Selenium	2000	2050	102.5	2000	1990	99.5	2000	2040	102.0
Silver	anr								
Sodium	40000	38500	96.3	40000	40400	101.0	40000	40800	102.0
Strontium									
Thallium	2000	2100	105.0	2000	2030	101.5	2000	2060	103.0
Tin									
Titanium									
Vanadium	2000	2020	101.0	2000	1990	99.5	2000	2000	100.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10518 Units: ug/l

Time:		10:48			11:42			12:35	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41100	102.8	40000	41400	103.5	40000	41900	104.8
Antimony	2000	2040	102.0	2000	2070	103.5	2000	2080	104.0
Arsenic	2000	2050	102.5	2000	2070	103.5	2000	2090	104.5
Barium	2000	2070	103.5	2000	2070	103.5	2000	2080	104.0
Beryllium	2000	2070	103.5	2000	2080	104.0	2000	2090	104.5
Cadmium	2000	2080	104.0	2000	2100	105.0	2000	2120	106.0
Calcium	40000	41800	104.5	40000	41900	104.8	40000	42100	105.3
Chromium	2000	2100	105.0	2000	2100	105.0	2000	2110	105.5
Cobalt	anr								
Copper	anr								
Iron	40000	42300	105.8	40000	42300	105.8	40000	42700	106.8
Lead	2000	2050	102.5	2000	2050	102.5	2000	2080	104.0
Magnesium	40000	41500	103.8	40000	41400	103.5	40000	41600	104.0
Manganese	2000	2090	104.5	2000	2080	104.0	2000	2100	105.0
Molybdenum									
Nickel	2000	2090	104.5	2000	2100	105.0	2000	2120	106.0
Potassium	40000	40900	102.3	40000	41200	103.0	40000	41400	103.5
Selenium	2000	2050	102.5	2000	2080	104.0	2000	2090	104.5
Silver	anr								
Sodium	40000	40900	102.3	40000	41300	103.3	40000	41500	103.8
Strontium									
Thallium	2000	2070	103.5	2000	2080	104.0	2000	2100	105.0
Tin									
Titanium									
Vanadium	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10518 Units: ug/l

Time:		13:29			14:02			15:01	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42100	105.3	40000	40600	101.5	40000	40800	102.0
Antimony	2000	2100	105.0	2000	2010	100.5	2000	2040	102.0
Arsenic	2000	2100	105.0	2000	2000	100.0	2000	2040	102.0
Barium	2000	2080	104.0	2000	2030	101.5	2000	2030	101.5
Beryllium	2000	2090	104.5	2000	2020	101.0	2000	2030	101.5
Cadmium	2000	2140	107.0	2000	2030	101.5	2000	2060	103.0
Calcium	40000	41700	104.3	40000	40200	100.5	40000	40300	100.8
Chromium	2000	2100	105.0	2000	2030	101.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	42700	106.8	40000	41500	103.8	40000	41500	103.8
Lead	2000	2070	103.5	2000	1970	98.5	2000	2000	100.0
Magnesium	40000	41200	103.0	40000	40000	100.0	40000	39700	99.3
Manganese	2000	2080	104.0	2000	2040	102.0	2000	2020	101.0
Molybdenum									
Nickel	2000	2130	106.5	2000	2030	101.5	2000	2060	103.0
Potassium	40000	41500	103.8	40000	39800	99.5	40000	40100	100.3
Selenium	2000	2130	106.5	2000	2020	101.0	2000	2050	102.5
Silver	anr								
Sodium	40000	41600	104.0	40000	40000	100.0	40000	40300	100.8
Strontium									
Thallium	2000	2100	105.0	2000	2000	100.0	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	2010	100.5	2000	1930	96.5	2000	1940	97.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10518 Units: ug/l

Time:		15:54			16:17	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40900	102.3
Antimony	2000	2020	101.0	2000	2020	101.0
Arsenic	2000	2020	101.0	2000	2020	101.0
Barium	2000	1980	99.0	2000	1980	99.0
Beryllium	2000	2010	100.5	2000	2010	100.5
Cadmium	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40000	100.0	40000	40000	100.0
Chromium	2000	2020	101.0	2000	2020	101.0
Cobalt	anr					
Copper	anr					
Iron	40000	41400	103.5	40000	41500	103.8
Lead	2000	1980	99.0	2000	1960	98.0
Magnesium	40000	39300	98.3	40000	39500	98.8
Manganese	2000	1990	99.5	2000	2000	100.0
Molybdenum						
Nickel	2000	2040	102.0	2000	2040	102.0
Potassium	40000	39500	98.8	40000	39200	98.0
Selenium	2000	2040	102.0	2000	2040	102.0
Silver	anr					
Sodium	40000	39700	99.3	40000	39500	98.8
Strontium						
Thallium	2000	2000	100.0	2000	1980	99.0
Tin						
Titanium						
Vanadium	2000	1900	95.0	2000	1890	94.5
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10518 Units: ug/l

Time:		08:04	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	3990	99.8
Arsenic	4000	3990	99.8
Barium	4000	3960	99.0
Beryllium	4000	3980	99.5
Cadmium	4000	3950	98.8
Calcium	80000	80200	100.3
Chromium	4000	3970	99.3
Cobalt	anr		
Copper	anr		
Iron	80000	78900	98.6
Lead	4000	4040	101.0
Magnesium	80000	80700	100.9
Manganese	4000	3950	98.8
Molybdenum			
Nickel	4000	3940	98.5
Potassium	80000	80900	101.1
Selenium	4000	3970	99.3
Silver	anr		
Sodium	80000	80700	100.9
Strontium			
Thallium	4000	3990	99.8
Tin			
Titanium			
Vanadium	4000	4020	100.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10518 Units: ug/l

Time:			08:30		16:03	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	215	107.5	216	108.0
Antimony	10	5.0	5.4	108.0	6.4	128.0
Arsenic	20	10	11.8	118.0	10.8	108.0
Barium	400	200	219	109.5	210	105.0
Beryllium	10	5.0	5.4	108.0	5.3	106.0
Cadmium	10	5.0	5.4	108.0	5.4	108.0
Calcium	2000	1000	1070	107.0	1050	105.0
Chromium	20	10	10.9	109.0	11.0	110.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	324	108.0	340	113.3
Lead	10	5.0	4.9	98.0	5.0	100.0
Magnesium	10000	5000	5210	104.2	5060	101.2
Manganese	30	15	16.8	112.0	16.4	109.3
Molybdenum	100	50				
Nickel	80	40	43.8	109.5	44.6	111.5
Potassium	20000	10000	10300	103.0	10100	101.0
Selenium	20	10	8.7	87.0	11.7	117.0
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	10200	102.0
Strontium	20	10				
Thallium	20	10	11.5	115.0	10.4	104.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	53.0	106.0	51.4	102.8
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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10518 Units: ug/l

Time:			08:39		08:50		16:08		16:12	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	504000	100.8	509000	101.8	519000	103.8	518000	103.6
Antimony		1000	0.0		1030	103.0	3.6		1040	104.0
Arsenic		1000	0.0		1030	103.0	-0.50		1040	104.0
Barium		500	-0.30		489	97.8	-0.60		463	92.6
Beryllium		500	0.0		464	92.8	-0.10		454	90.8
Cadmium		1000	0.0		861	86.1	-1.9		875	87.5
Calcium	500000	500000	478000	95.6	484000	96.8	472000	94.4	474000	94.8
Chromium		500	-0.40		451	90.2	0.40		443	88.6
Cobalt		500	-1.0		425	85.0	-0.90		440	88.0
Copper		500	0.0		514	102.8	0.0		482	96.4
Iron	200000	200000	186000	93.0	182000	91.0	188000	94.0	182000	91.0
Lead		1000	0.10		860	86.0	4.2		848	84.8
Magnesium	500000	500000	511000	102.2	518000	103.6	499000	99.8	500000	100.0
Manganese		500	0.0		466	93.2	-0.20		449	89.8
Molybdenum		1000	0.40		972	97.2	0.80		1010	101.0
Nickel		1000	0.0		851	85.1	-0.20		854	85.4
Potassium			-3.5		-31		37.7		13.2	
Selenium		1000	0.0		999	99.9	4.0		1010	101.0
Silver		1000	-0.40		979	97.9	-0.60		974	97.4
Sodium			78.5		74.2		68.6		110	
Strontium		1000	4.2		1070	107.0	4.0		1040	104.0
Thallium		1000	0.0		928	92.8	1.3		917	91.7
Tin		1000	0.40		921	92.1	0.40		913	91.3
Titanium		1000	-4.2		1050	105.0	-3.2		1010	101.0
Vanadium		500	-0.20		473	94.6	0.50		455	91.0
Zinc		1000	0.40		869	86.9	0.0		872	87.2

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:47	MA10519-STD1	1		STDA
07:51	MA10519-STD2	1		STDB
07:56	MA10519-STD3	1		STDC
07:59	MA10519-STD4	1		STDD
08:05	MA10519-HSTD1	1		
08:12	MA10519-ICV1	1		
08:18	MA10519-ICB1	1		
08:24	MA10519-CRIA1	1		
08:33	MA10519-ICSA1	1		
08:39	MA10519-ICSAB1	1		
08:47	MA10519-CCV1	1		
08:55	MA10519-CCB1	1		
09:23	MA10519-CCV2	1		
09:30	MA10519-CCB2	1		
09:35	MP24571-MB1	1		
09:39	MP24571-B1	1		
09:43	FA1474-1	1		(sample used for QC only; not part of login FA1466)
09:47	MP24571-D1	1		
09:51	MP24571-SD1	5		
09:55	MP24571-PS1	1		
09:59	MP24571-S1	1		
10:03	MP24571-S2	1		
10:07	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:15	MA10519-CCV3	1		
10:19	MA10519-CCB3	1		
10:23	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:32	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:44	ZZZZZZ	1		
10:48	FA1466-1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:52	FA1466-2	1		
10:56	ZZZZZZ	1		
11:00	ZZZZZZ	1		
11:05	MA10519-CCV4	1		
11:09	MA10519-CCB4	1		
11:13	ZZZZZZ	1		
11:17	ZZZZZZ	200		
11:21	FA1446-1	20		(sample used for QC only; not part of login FA1466)
11:25	MP24568-D1	20		
11:29	MP24568-S1	20		
11:33	MP24568-S2	20		
11:37	MP24568-PS1	20		
11:42	MP24568-SD1	100		
11:46	ZZZZZZ	10		
11:50	ZZZZZZ	20		
11:54	MA10519-CCV5	1		
11:58	MA10519-CCB5	1		
12:02	MP24573-MB1	1		
12:06	MP24573-B1	1		
12:10	FA1468-7	1		(sample used for QC only; not part of login FA1466)
12:14	MP24573-D1	1		
12:18	MP24573-SD1	5		
12:23	MP24573-PS1	1		
12:27	MP24573-S1	1		
12:31	MP24573-S2	1		
12:34	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:43	MA10519-CCV6	1		
12:47	MA10519-CCB6	1		
12:51	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:03	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:07	ZZZZZZ	1		
	13:12	ZZZZZZ	1		
	13:16	ZZZZZZ	1		
	13:20	ZZZZZZ	1		
	13:24	ZZZZZZ	1		
	13:28	ZZZZZZ	1		
	13:32	MA10519-CCV7	1		
	13:36	MA10519-CCB7	1		
	13:40	ZZZZZZ	1		
	13:45	FA1466-2	1		
---------->	Last reportable sample/prep for job FA1466				
	13:49	MP24577-MB1	1		
	13:53	MP24577-B1	1		
	13:57	FA1508-1	2		(sample used for QC only; not part of login FA1466)
	14:01	MP24577-D1	2		
	14:10	MP24577-PS1	2		
	14:14	MP24577-S1	2		
	14:18	MP24577-S2	2		
	14:22	MA10519-CCV8	1		
	14:26	MA10519-CCB8	1		
	14:30	ZZZZZZ	2		
	14:52	MA10519-CRIA2	1		
	14:56	MA10519-ICSA2	1		
	15:00	MA10519-ICSAB2	1		
	15:04	MA10519-CCV9	1		
	15:08	MA10519-CCB9	1		
---------->	Last reportable CCB for job FA1466				

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:47	MA10519-STD1	7103	42758	8118	3340
07:51	MA10519-STD2	7169	42913	8270	3089
07:56	MA10519-STD3	6909	40871	8207	2777
07:59	MA10519-STD4	6561	38921	8072	2543
08:05	MA10519-HSTD1	6625	39505	8137	2546
08:12	MA10519-ICV1	6827	40330	8149	2723
08:18	MA10519-ICB1	7149 R	42427 R	8295 R	3308 R
08:24	MA10519-CRIA1	7126	42110	8227	3119
08:33	MA10519-ICSA1	6259	35774	7923	2388
08:39	MA10519-ICSAB1	6249	35703	7908	2352
08:47	MA10519-CCV1	6991	40802	8286	2723
08:55	MA10519-CCB1	7160	42205	8263	3264
09:23	MA10519-CCV2	6944	40356	8232	2726
09:30	MA10519-CCB2	7181	42500	8295	3286
09:35	MP24571-MB1	7330	43547	8472	3280
09:39	MP24571-B1	7095	41178	8242	2865
09:43	FA1474-1	7144	41948	8500	3030
09:47	MP24571-D1	7063	41748	8459	3027
09:51	MP24571-SD1	7215	42627	8252	3179
09:55	MP24571-PS1	7102	41884	8336	2950
09:59	MP24571-S1	7039	41003	8408	2806
10:03	MP24571-S2	7072	41080	8366	2799
10:07	ZZZZZZ	6928	40659	8219	2900
10:11	ZZZZZZ	7123	41456	8308	2908
10:15	MA10519-CCV3	6841	39607	8203	2707
10:19	MA10519-CCB3	7092	41808	8243	3263
10:23	ZZZZZZ	6961	41084	8301	2918
10:27	ZZZZZZ	7031	41212	8297	2926
10:32	ZZZZZZ	7008	41271	8371	2927
10:36	ZZZZZZ	6849	39980	8298	2900
10:40	ZZZZZZ	6940	40688	8278	2935
10:44	ZZZZZZ	6998	41358	8298	2932
10:48	FA1466-1	7228	42913	8300	3259

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:52	FA1466-2	7180	42758	8338	3272
10:56	ZZZZZZ	7011	41313	8271	3029
11:00	ZZZZZZ	7176	42218	8315	3108
11:05	MA10519-CCV4	6937	40212	8141	2715
11:09	MA10519-CCB4	7173	42021	8305	3271
11:13	ZZZZZZ	7028	41631	8370	3117
11:17	ZZZZZZ	7003	40666	8121	2936
11:21	FA1446-1	8209	47970	9594	2871
11:25	MP24568-D1	8003	46532	9265	2911
11:29	MP24568-S1	7813	45806	9351	2852
11:33	MP24568-S2	7999	46647	9475	2898
11:37	MP24568-PS1	8118	46737	9476	2864
11:42	MP24568-SD1	7446	43805	8536	3133
11:46	ZZZZZZ	8452	49658	9877	2938
11:50	ZZZZZZ	8419	48976	9738	3040
11:54	MA10519-CCV5	6810	40063	8275	2770
11:58	MA10519-CCB5	7166	42840	8357	3289
12:02	MP24573-MB1	7304	43478	8442	3306
12:06	MP24573-B1	7012	41278	8334	2887
12:10	FA1468-7	7343	43437	8789	3147
12:14	MP24573-D1	7338	43260	8718	3168
12:18	MP24573-SD1	7288	43275	8569	3255
12:23	MP24573-PS1	7373	43710	8760	3041
12:27	MP24573-S1	7229	42550	8727	2876
12:31	MP24573-S2	7155	42205	8729	2877
12:34	ZZZZZZ	7245	43194	8709	3076
12:39	ZZZZZZ	7393	44010	8767	3206
12:43	MA10519-CCV6	7007	41376	8545	2769
12:47	MA10519-CCB6	7176	42815	8610	3325
12:51	ZZZZZZ	7225	43313	8746	3180
12:55	ZZZZZZ	7259	43280	8722	3132
12:59	ZZZZZZ	8022	47367	9377	3174
13:03	ZZZZZZ	7361	43784	8808	3208

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10519
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:07	ZZZZZZ	7473	44370	8999	3170
13:12	ZZZZZZ	7246	43572	8645	3212
13:16	ZZZZZZ	7463	44481	8930	3161
13:20	ZZZZZZ	7290	43991	8865	3119
13:24	ZZZZZZ	10870 !	64906 !	13391 !	3004
13:28	ZZZZZZ	9089 !	54014 !	11155 !	3018
13:32	MA10519-CCV7	7007	41582	8616	2766
13:36	MA10519-CCB7	7272	43592	8646	3303
13:40	ZZZZZZ	7272	43886	8897	3145
13:45	FA1466-2	7115	42968	8667	3307
13:49	MP24577-MB1	7148	43323	8801	3416
13:53	MP24577-B1	6989	41596	8621	2919
13:57	FA1508-1	22021 !	132480 !	27072 !	2961
14:01	MP24577-D1	21888 !	132140 !	26779 !	2944
14:10	MP24577-PS1	20978 !	125900 !	26398 !	2928
14:14	MP24577-S1	21175 !	127360 !	26381 !	2856
14:18	MP24577-S2	21607 !	128930 !	26557 !	2875
14:22	MA10519-CCV8	6921	41316	8500	2759
14:26	MA10519-CCB8	7170	43182	8659	3341
14:30	ZZZZZZ	24268 !	146330 !	30061 !	2966
14:52	MA10519-CRIA2	7032	42699	8756	3168
14:56	MA10519-ICSA2	6325	37075	8351	2420
15:00	MA10519-ICSAB2	6218	36471	8380	2393
15:04	MA10519-CCV9	6712	40538	8529	2782
15:08	MA10519-CCB9	7088	43452	8577	3307

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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10519 Units: ug/l

Time:			08:18		08:55		09:30		10:19	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-6.4	<200	-4.5	<200	7.2	<200	6.3	<200
Antimony	6.0	1.3	0.40	<6.0	-0.60	<6.0	1.1	<6.0	1.5	<6.0
Arsenic	10	1.6	0.10	<10	-0.10	<10	0.70	<10	0.90	<10
Barium	200	1	0.10	<200	-0.10	<200	0.40	<200	0.40	<200
Beryllium	4.0	.5	0.10	<4.0	0.0	<4.0	0.30	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	2.5	<1000	6.6	<1000	11.3	<1000	10.8	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	0.30	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	0.70	<300	1.0	<300	8.1	<300	11.2	<300
Lead	5.0	1.1	-0.90	<5.0	-0.60	<5.0	-0.10	<5.0	-0.20	<5.0
Magnesium	5000	74	7.9	<5000	6.5	<5000	9.7	<5000	11.3	<5000
Manganese	15	.7	0.0	<15	0.20	<15	0.30	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	0.10	<40	0.10	<40	-0.10	<40
Potassium	10000	200	33.7	<10000	6.7	<10000	29.2	<10000	39.4	<10000
Selenium	10	2	-0.20	<10	-1.2	<10	0.40	<10	-0.80	<10
Silver	10	.5	anr							
Sodium	10000	500	5.7	<10000	5.8	<10000	23.5	<10000	29.2	<10000
Strontium	10	.5								
Thallium	10	1.3	0.10	<10	0.10	<10	0.30	<10	0.40	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.20	<50	0.30	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10519 Units: ug/l

Time:			11:09		11:58		12:47		13:36	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	3.0	<200	0.80	<200	8.4	<200	-1.2	<200
Antimony	6.0	1.3	1.4	<6.0	0.50	<6.0	0.80	<6.0	0.60	<6.0
Arsenic	10	1.6	0.60	<10	0.60	<10	1.0	<10	0.40	<10
Barium	200	1	0.20	<200	0.20	<200	0.10	<200	0.10	<200
Beryllium	4.0	.5	0.20	<4.0	0.10	<4.0	0.20	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	5.8	<1000	2.3	<1000	3.7	<1000	4.7	<1000
Chromium	10	1.8	0.30	<10	0.20	<10	0.10	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	7.2	<300	4.6	<300	6.1	<300	3.8	<300
Lead	5.0	1.1	-0.30	<5.0	-0.70	<5.0	-0.80	<5.0	-1.2	<5.0
Magnesium	5000	74	1.7	<5000	4.9	<5000	3.4	<5000	4.6	<5000
Manganese	15	.7	0.30	<15	0.20	<15	0.20	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.10	<40	0.0	<40	-0.10	<40
Potassium	10000	200	29.6	<10000	15.9	<10000	28.4	<10000	22.0	<10000
Selenium	10	2	-0.90	<10	0.20	<10	0.50	<10	-0.20	<10
Silver	10	.5	anr							
Sodium	10000	500	26.3	<10000	19.6	<10000	23.5	<10000	19.4	<10000
Strontium	10	.5								
Thallium	10	1.3	0.10	<10	0.10	<10	0.60	<10	0.80	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.20	<50	0.10	<50	0.20	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10519 Units: ug/l

Time:			14:26		15:08	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	6.4	<200	20.7	<200
Antimony	6.0	1.3	1.3	<6.0	1.6	<6.0
Arsenic	10	1.6	0.70	<10	0.0	<10
Barium	200	1	0.20	<200	0.20	<200
Beryllium	4.0	.5	0.20	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0
Calcium	1000	50	9.1	<1000	17.4	<1000
Chromium	10	1.8	0.40	<10	0.20	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	13.0	<300	13.5	<300
Lead	5.0	1.1	-0.90	<5.0	-1.0	<5.0
Magnesium	5000	74	8.9	<5000	14.2	<5000
Manganese	15	.7	0.40	<15	0.30	<15
Molybdenum	50	.6				
Nickel	40	.5	0.20	<40	0.0	<40
Potassium	10000	200	89.7	<10000	47.4	<10000
Selenium	10	2	0.0	<10	0.50	<10
Silver	10	.5	anr			
Sodium	10000	500	25.3	<10000	47.0	<10000
Strontium	10	.5				
Thallium	10	1.3	0.80	<10	0.60	<10
Tin	50	.7				
Titanium	10	.9				
Vanadium	50	.5	0.40	<50	0.30	<50
Zinc	20	3	anr			

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10519 Units: ug/l

Time:		08:12			08:47			09:23	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40100	100.3	40000	40300	100.8
Antimony	2000	1980	99.0	2000	1890	94.5	2000	1970	98.5
Arsenic	2000	1960	98.0	2000	1900	95.0	2000	1970	98.5
Barium	2000	2100	105.0	2000	2000	100.0	2000	2010	100.5
Beryllium	2000	2010	100.5	2000	1910	95.5	2000	1980	99.0
Cadmium	2000	2040	102.0	2000	2000	100.0	2000	2020	101.0
Calcium	40000	42800	107.0	40000	40300	100.8	40000	40500	101.3
Chromium	2000	2050	102.5	2000	2030	101.5	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	40000	41700	104.3	40000	39000	97.5	40000	40200	100.5
Lead	2000	1940	97.0	2000	1890	94.5	2000	1940	97.0
Magnesium	40000	41200	103.0	40000	39100	97.8	40000	40000	100.0
Manganese	2000	2020	101.0	2000	1970	98.5	2000	2010	100.5
Molybdenum									
Nickel	2000	2020	101.0	2000	1910	95.5	2000	2000	100.0
Potassium	40000	41100	102.8	40000	38500	96.3	40000	39500	98.8
Selenium	2000	2020	101.0	2000	1900	95.0	2000	1980	99.0
Silver	anr								
Sodium	40000	38500	96.3	40000	40300	100.8	40000	40400	101.0
Strontium									
Thallium	2000	2060	103.0	2000	1930	96.5	2000	1960	98.0
Tin									
Titanium									
Vanadium	2000	1990	99.5	2000	1910	95.5	2000	1920	96.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10519 Units: ug/l

Time:		10:15			11:05			11:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	39900	99.8	40000	39600	99.0
Antimony	2000	2010	100.5	2000	1950	97.5	2000	2060	103.0
Arsenic	2000	2000	100.0	2000	1960	98.0	2000	2030	101.5
Barium	2000	2010	100.5	2000	1990	99.5	2000	1990	99.5
Beryllium	2000	2000	100.0	2000	1970	98.5	2000	2030	101.5
Cadmium	2000	2030	101.5	2000	2000	100.0	2000	2010	100.5
Calcium	40000	40500	101.3	40000	40100	100.3	40000	39600	99.0
Chromium	2000	2040	102.0	2000	2010	100.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	40000	40500	101.3	40000	40000	100.0	40000	40900	102.3
Lead	2000	1970	98.5	2000	1940	97.0	2000	1980	99.0
Magnesium	40000	40200	100.5	40000	39800	99.5	40000	40000	100.0
Manganese	2000	2050	102.5	2000	2010	100.5	2000	2040	102.0
Molybdenum									
Nickel	2000	2040	102.0	2000	1980	99.0	2000	2080	104.0
Potassium	40000	40100	100.3	40000	39300	98.3	40000	40500	101.3
Selenium	2000	2010	100.5	2000	1960	98.0	2000	2050	102.5
Silver	anr								
Sodium	40000	40500	101.3	40000	40100	100.3	40000	39800	99.5
Strontium									
Thallium	2000	2000	100.0	2000	1970	98.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	1970	98.5	2000	1920	96.0	2000	1950	97.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10519 Units: ug/l

Time:		12:43			13:32			14:22	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39700	99.3	40000	40000	100.0
Antimony	2000	2000	100.0	2000	2010	100.5	2000	2040	102.0
Arsenic	2000	1990	99.5	2000	1990	99.5	2000	2010	100.5
Barium	2000	2010	100.5	2000	2040	102.0	2000	2050	102.5
Beryllium	2000	1970	98.5	2000	2000	100.0	2000	2010	100.5
Cadmium	2000	2000	100.0	2000	1990	99.5	2000	1990	99.5
Calcium	40000	39600	99.0	40000	39500	98.8	40000	39700	99.3
Chromium	2000	1970	98.5	2000	1960	98.0	2000	1970	98.5
Cobalt	anr								
Copper	anr								
Iron	40000	39900	99.8	40000	40600	101.5	40000	40700	101.8
Lead	2000	1940	97.0	2000	1940	97.0	2000	1960	98.0
Magnesium	40000	39100	97.8	40000	39100	97.8	40000	39200	98.0
Manganese	2000	2000	100.0	2000	2010	100.5	2000	2020	101.0
Molybdenum									
Nickel	2000	2000	100.0	2000	2010	100.5	2000	2040	102.0
Potassium	40000	39400	98.5	40000	39700	99.3	40000	40200	100.5
Selenium	2000	2000	100.0	2000	2010	100.5	2000	2030	101.5
Silver	anr								
Sodium	40000	40000	100.0	40000	40100	100.3	40000	40400	101.0
Strontium									
Thallium	2000	1980	99.0	2000	1990	99.5	2000	2010	100.5
Tin									
Titanium									
Vanadium	2000	1910	95.5	2000	1910	95.5	2000	1920	96.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10519 Units: ug/l

Time:		15:04	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	39700	99.3
Antimony	2000	2150	107.5
Arsenic	2000	2090	104.5
Barium	2000	2050	102.5
Beryllium	2000	2070	103.5
Cadmium	2000	2010	100.5
Calcium	40000	39200	98.0
Chromium	2000	1970	98.5
Cobalt	anr		
Copper	anr		
Iron	40000	41600	104.0
Lead	2000	2010	100.5
Magnesium	40000	39200	98.0
Manganese	2000	2070	103.5
Molybdenum			
Nickel	2000	2140	107.0
Potassium	40000	41500	103.8
Selenium	2000	2130	106.5
Silver	anr		
Sodium	40000	40000	100.0
Strontium			
Thallium	2000	2050	102.5
Tin			
Titanium			
Vanadium	2000	1960	98.0
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10519 Units: ug/l

Time:		08:05	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79100	98.9
Antimony	4000	3970	99.3
Arsenic	4000	3970	99.3
Barium	4000	3930	98.3
Beryllium	4000	3950	98.8
Cadmium	4000	3930	98.3
Calcium	80000	78700	98.4
Chromium	4000	3910	97.8
Cobalt	anr		
Copper	anr		
Iron	80000	78600	98.3
Lead	4000	4020	100.5
Magnesium	80000	79000	98.8
Manganese	4000	3920	98.0
Molybdenum			
Nickel	4000	3920	98.0
Potassium	80000	80000	100.0
Selenium	4000	3950	98.8
Silver	anr		
Sodium	80000	79100	98.9
Strontium			
Thallium	4000	3990	99.8
Tin			
Titanium			
Vanadium	4000	3970	99.3
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10519 Units: ug/l

Time:			08:24		14:52	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	196	98.0	208	104.0
Antimony	10	5.0	5.2	104.0	6.3	126.0
Arsenic	20	10	10.2	102.0	11.1	111.0
Barium	400	200	208	104.0	213	106.5
Beryllium	10	5.0	5.0	100.0	5.3	106.0
Cadmium	10	5.0	5.4	108.0	5.3	106.0
Calcium	2000	1000	1070	107.0	1030	103.0
Chromium	20	10	10.5	105.0	10.4	104.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	315	105.0	326	108.7
Lead	10	5.0	4.6	92.0	4.2	84.0
Magnesium	10000	5000	5210	104.2	5080	101.6
Manganese	30	15	16.1	107.3	16.6	110.7
Molybdenum	100	50				
Nickel	80	40	42.2	105.5	45.3	113.3
Potassium	20000	10000	10000	100.0	10500	105.0
Selenium	20	10	9.0	90.0	11.4	114.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10400	104.0
Strontium	20	10				
Thallium	20	10	8.6	86.0	10.8	108.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	52.1	104.2	52.7	105.4
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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020713M1.ICP Date Analyzed: 02/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10519 Units: ug/l

Time:			08:33		08:39		14:56		15:00	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	504000	100.8	497000	99.4	495000	99.0	501000	100.2
Antimony		1000	0.10		1000	100.0	0.60		1090	109.0
Arsenic		1000	0.90		1000	100.0	1.1		1060	106.0
Barium		500	-0.70		475	95.0	-0.50		485	97.0
Beryllium		500	-0.20		453	90.6	-0.10		461	92.2
Cadmium		1000	-0.10		866	86.6	0.0		859	85.9
Calcium	500000	500000	482000	96.4	479000	95.8	458000	91.6	465000	93.0
Chromium		500	0.20		450	90.0	0.0		438	87.6
Cobalt		500	0.30		427	85.4	0.50		429	85.8
Copper		500	0.0		486	97.2	0.80		506	101.2
Iron	200000	200000	187000	93.5	181000	90.5	188000	94.0	183000	91.5
Lead		1000	0.0		858	85.8	-5.3		869	86.9
Magnesium	500000	500000	483000	96.6	480000	96.0	469000	93.8	470000	94.0
Manganese		500	-0.50		455	91.0	-0.50		458	91.6
Molybdenum		1000	0.0		949	94.9	0.20		1030	103.0
Nickel		1000	-0.80		835	83.5	-0.90		883	88.3
Potassium			14.9		1.9		193		105	
Selenium		1000	-1.8		972	97.2	-1.5		1050	105.0
Silver		1000	-0.80		971	97.1	-0.60		986	98.6
Sodium			101		118		285		211	
Strontium		1000	4.7		1060	106.0	5.3		1110	111.0
Thallium		1000	0.20		953	95.3	-0.40		975	97.5
Tin		1000	-1.1		910	91.0	0.30		927	92.7
Titanium		1000	-2.5		1020	102.0	-2.5		1060	106.0
Vanadium		500	-0.40		463	92.6	-0.20		466	93.2
Zinc		1000	-1.6		843	84.3	-1.3		899	89.9

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10521
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	07:50	MA10521-STD1	1		STDA
	07:55	MA10521-STD2	1		STDB
	07:59	MA10521-STD3	1		STDC
	08:02	MA10521-STD4	1		STDD
	08:08	MA10521-HSTD1	1		
	08:14	MA10521-ICV1	1		
	08:19	MA10521-ICB1	1		
	08:22	MA10521-CRIA1	1		
	08:30	MA10521-ICSA1	1		
	08:38	MA10521-ICSAB1	1		
	08:47	MA10521-CCV1	1		
	08:58	MA10521-CCB1	1		
	09:02	MP24572-D1	2		
	09:06	MP24572-S1	2		
	09:10	FA1466-3	10		
	09:14	FA1466-5	10		
	09:18	FA1466-6	10		
---------->	Last reportable sample/prep for job FA1466				
	09:23	MP24577-SD1	10		
	09:27	MA10521-CCV2	1		
	09:31	MA10521-CCB2	1		
	09:51	MP24581-MB1	1		
	09:55	MP24581-B1	1		
	09:59	FA1372-1A	1		(sample used for QC only; not part of login FA1466)
	10:03	MP24581-D1	1		
	10:08	MP24581-SD1	5		
	10:12	MP24581-S1	1		
	10:16	MP24581-S2	1		
	10:20	ZZZZZZ	1		
	10:24	ZZZZZZ	1		
	10:29	ZZZZZZ	1		
	10:33	MA10521-CCV3	1		
	10:37	MA10521-CCB3	1		
	10:41	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10521
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:46	MP24581-D2	1		
10:50	MP24581-MB2	1		
10:54	MP24581-B2	1		
10:58	MP24582-MB1	1		
11:03	MP24582-B1	1		
11:07	FA1516-1	1		(sample used for QC only; not part of login FA1466)
11:11	MP24582-D1	1		
11:15	MP24582-SD1	5		
11:19	MP24582-PS1	1		
11:23	MA10521-CCV4	1		
11:27	MA10521-CCB4	1		
11:31	MP24582-S1	1		
11:35	MP24582-S2	1		
11:39	ZZZZZZ	1		
11:43	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:56	ZZZZZZ	1		
12:01	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:13	MA10521-CCV5	1		
12:17	MA10521-CCB5	1		
12:22	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:38	MP24583-MB1	1		
12:42	MP24583-B1	1		
12:46	FA1514-1	1		(sample used for QC only; not part of login FA1466)
12:51	MP24583-D1	1		
12:55	MP24583-SD1	5		
12:59	MP24583-PS1	1		
13:03	MA10521-CCV6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10521
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:07	MA10521-CCB6	1		
13:11	MP24583-S1	1		
13:15	MP24583-S2	1		
13:19	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:53	MA10521-CCV7	1		
13:57	MA10521-CCB7	1		
14:01	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:18	ZZZZZZ	1		
14:23	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:44	MA10521-CCV8	1		
14:48	MA10521-CCB8	1		
14:52	ZZZZZZ	1		
14:56	MA10521-CRIA2	1		
15:00	MA10521-ICSA2	1		
15:05	MA10521-ICSAB2	1		
15:09	MA10521-CCV9	1		
15:13	MA10521-CCB9	1		

----------> Last reportable CCB for job FA1466
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10521
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:50	MA10521-STD1	5564	43430	6856	2810
07:55	MA10521-STD2	5562	42806	6855	2647
07:59	MA10521-STD3	5425	41119	6765	2385
08:02	MA10521-STD4	5229	40476	6810	2208
08:08	MA10521-HSTD1	5111	39985	6739	2201
08:14	MA10521-ICV1	5390	41060	6819	2376
08:19	MA10521-ICB1	5666 R	43813 R	6939 R	2804 R
08:22	MA10521-CRIA1	5419	42482	6872	2660
08:30	MA10521-ICSA1	4882	36541	6596	2052
08:38	MA10521-ICSAB1	4804	36822	6601	2022
08:47	MA10521-CCV1	5420	41204	6851	2372
08:58	MA10521-CCB1	5543	43249	6869	2770
09:02	MP24572-D1	5966	45119	7425	2408
09:06	MP24572-S1	5798	44134	7336	2366
09:10	FA1466-3	6256	48422	8197	2233
09:14	FA1466-5	5976	45734	7721	2305
09:18	FA1466-6	7034	53243	8780	2473
09:23	MP24577-SD1	7542 !	58725 !	9449 !	2686
09:27	MA10521-CCV2	5326	41289	6882	2367
09:31	MA10521-CCB2	5567	42906	6835	2754
09:51	MP24581-MB1	5620	43678	6962	2732
09:55	MP24581-B1	5325	41599	6859	2430
09:59	FA1372-1A	5188	39872	6818	2370
10:03	MP24581-D1	5257	39928	6795	2363
10:08	MP24581-SD1	5477	42198	6923	2589
10:12	MP24581-S1	5173	39965	6834	2278
10:16	MP24581-S2	5201	39560	6768	2265
10:20	ZZZZZZ	5201	39671	6724	2375
10:24	ZZZZZZ	5225	39852	6729	2380
10:29	ZZZZZZ	5177	40062	6749	2386
10:33	MA10521-CCV3	5256	41308	6780	2362
10:37	MA10521-CCB3	5559	43276	6896	2792
10:41	ZZZZZZ	5278	40429	6833	2427

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10521
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:46	MP24581-D2	5143	39713	6686	2382
10:50	MP24581-MB2	5116	39953	6760	2434
10:54	MP24581-B2	5115	39713	6693	2332
10:58	MP24582-MB1	5492	42936	6840	2779
11:03	MP24582-B1	5291	40907	6687	2463
11:07	FA1516-1	5855	45258	7353	2561
11:11	MP24582-D1	5743	44995	7396	2465
11:15	MP24582-SD1	5678	44197	7022	2751
11:19	MP24582-PS1	5798	44631	7246	2511
11:23	MA10521-CCV4	5369	41316	6760	2407
11:27	MA10521-CCB4	5481	43471	6835	2800
11:31	MP24582-S1	5672	43854	7256	2365
11:35	MP24582-S2	5699	43970	7214	2382
11:39	ZZZZZZ	5878	45585	7270	2562
11:43	ZZZZZZ	5819	45444	7285	2626
11:47	ZZZZZZ	5653	44193	7032	2623
11:52	ZZZZZZ	11996 !	91935 !	15736 !	2074
11:56	ZZZZZZ	6937	53287	8474	2507
12:01	ZZZZZZ	5442	42289	7057	2225
12:09	ZZZZZZ	5665	43853	6995	2582
12:13	MA10521-CCV5	5341	41361	6687	2394
12:17	MA10521-CCB5	5468	42446	6585	2773
12:22	ZZZZZZ	5526	43886	6894	2618
12:26	ZZZZZZ	5976	46465	7363	2583
12:30	ZZZZZZ	5874	45853	7199	2622
12:34	ZZZZZZ	5994	46520	7434	2572
12:38	MP24583-MB1	5482	43333	6742	2791
12:42	MP24583-B1	5413	41825	6762	2522
12:46	FA1514-1	5343	41413	6708	2535
12:51	MP24583-D1	5323	41749	6762	2552
12:55	MP24583-SD1	5472	42777	6776	2718
12:59	MP24583-PS1	5374	41614	6732	2503
13:03	MA10521-CCV6	5370	41389	6727	2408

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10521
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:07	MA10521-CCB6	5509	43419	6755	2834
13:11	MP24583-S1	5210	40529	6683	2388
13:15	MP24583-S2	5267	40629	6699	2387
13:19	ZZZZZZ	5724	44201	7190	2535
13:23	ZZZZZZ	5090	40483	6648	2437
13:28	ZZZZZZ	5210	41218	6673	2502
13:32	ZZZZZZ	5318	41732	6893	2484
13:36	ZZZZZZ	5115	40107	6646	2430
13:40	ZZZZZZ	5261	41700	6772	2553
13:45	ZZZZZZ	5123	40534	6705	2440
13:49	ZZZZZZ	5290	41219	6679	2544
13:53	MA10521-CCV7	5326	40916	6701	2381
13:57	MA10521-CCB7	5461	43530	6788	2801
14:01	ZZZZZZ	5444	43141	6766	2784
14:06	ZZZZZZ	5480	42763	6812	2726
14:10	ZZZZZZ	5556	43398	6781	2784
14:14	ZZZZZZ	5935	46615	7361	2733
14:18	ZZZZZZ	5637	44584	7041	2748
14:23	ZZZZZZ	6441	49983	7952	2722
14:27	ZZZZZZ	5617	43552	6904	2710
14:31	ZZZZZZ	5604	43771	6908	2724
14:35	ZZZZZZ	5429	43390	6866	2792
14:40	ZZZZZZ	5540	43488	6879	2742
14:44	MA10521-CCV8	5389	41567	6790	2426
14:48	MA10521-CCB8	5533	43406	6777	2814
14:52	ZZZZZZ	5309	42559	6794	2715
14:56	MA10521-CRIA2	5372	42286	6768	2712
15:00	MA10521-ICSA2	4764	36048	6387	2051
15:05	MA10521-ICSAB2	4828	36616	6394	2043
15:09	MA10521-CCV9	5275	41205	6712	2414
15:13	MA10521-CCB9	5425	43594	6737	2816

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

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10521
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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

Istd#4	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.3.1
6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10521 Units: ug/l

Time:			08:19		08:58		09:31		10:37	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.9	<200	10.2	<200	8.9	<200	-0.90	<200
Antimony	6.0	1.3	0.40	<6.0	-1.2	<6.0	0.0	<6.0	-0.80	<6.0
Arsenic	10	1.6	0.20	<10	-0.20	<10	-0.20	<10	0.40	<10
Barium	200	1	0.30	<200	0.30	<200	0.30	<200	0.10	<200
Beryllium	4.0	.5	0.30	<4.0	0.40	<4.0	0.30	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	3.9	<1000	15.3	<1000	5.8	<1000	0.0	<1000
Chromium	10	1.8	-0.10	<10	0.0	<10	0.30	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	5.6	<300	8.9	<300	9.0	<300	3.1	<300
Lead	5.0	1.1	0.40	<5.0	0.60	<5.0	0.30	<5.0	0.50	<5.0
Magnesium	5000	74	-4.5	<5000	-0.40	<5000	-9.7	<5000	-9.0	<5000
Manganese	15	.7	0.20	<15	0.20	<15	0.30	<15	0.10	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.10	<40	0.10	<40	0.0	<40	-0.10	<40
Potassium	10000	200	11.1	<10000	-15	<10000	-18	<10000	-2.3	<10000
Selenium	10	2	-1.4	<10	0.50	<10	-1.1	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	12.6	<10000	3.2	<10000	0.0	<10000	21.7	<10000
Strontium	10	.5	anr							
Thallium	10	1.3	-0.70	<10	-0.70	<10	-0.40	<10	-0.10	<10
Tin	50	.7	anr							
Titanium	10	.9	anr							
Vanadium	50	.5	0.20	<50	0.20	<50	0.30	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10521 Units: ug/l

Time:			11:27		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	-3.8	<200	13.0	<200	-1.5	<200	2.3	<200
Antimony	6.0	1.3	0.0	<6.0	-0.50	<6.0	0.70	<6.0	-0.50	<6.0
Arsenic	10	1.6	0.50	<10	0.40	<10	0.50	<10	0.30	<10
Barium	200	1	0.40	<200	0.30	<200	0.40	<200	0.40	<200
Beryllium	4.0	.5	0.20	<4.0	0.30	<4.0	0.30	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	2.5	<1000	13.3	<1000	4.2	<1000	4.0	<1000
Chromium	10	1.8	0.0	<10	0.20	<10	0.30	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	5.9	<300	5.5	<300	6.9	<300	6.9	<300
Lead	5.0	1.1	0.40	<5.0	0.80	<5.0	0.40	<5.0	0.60	<5.0
Magnesium	5000	74	-3.2	<5000	-2.0	<5000	-2.0	<5000	5.4	<5000
Manganese	15	.7	0.30	<15	0.20	<15	0.30	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.0	<40	0.0	<40	0.10	<40
Potassium	10000	200	-8.9	<10000	12.5	<10000	-4.1	<10000	-7.1	<10000
Selenium	10	2	1.3	<10	0.0	<10	0.0	<10	-1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	8.0	<10000	9.1	<10000	9.4	<10000	8.6	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.40	<10	-0.30	<10	0.0	<10	-0.20	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.30	<50	0.10	<50	0.20	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10521 Units: ug/l

Time:			14:48		15:13	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	5.6	<200	6.3	<200
Antimony	6.0	1.3	-0.20	<6.0	0.0	<6.0
Arsenic	10	1.6	0.20	<10	0.50	<10
Barium	200	1	0.20	<200	0.30	<200
Beryllium	4.0	.5	0.20	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0
Calcium	1000	50	6.5	<1000	9.8	<1000
Chromium	10	1.8	0.10	<10	0.0	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	7.4	<300	7.5	<300
Lead	5.0	1.1	0.30	<5.0	0.10	<5.0
Magnesium	5000	74	14.2	<5000	20.1	<5000
Manganese	15	.7	0.20	<15	0.10	<15
Molybdenum	50	.6				
Nickel	40	.5	0.0	<40	-0.10	<40
Potassium	10000	200	-19	<10000	-7.9	<10000
Selenium	10	2	-0.40	<10	-1.5	<10
Silver	10	.5	anr			
Sodium	10000	500	-0.90	<10000	-3.7	<10000
Strontium	10	.5				
Thallium	10	1.3	-0.90	<10	-0.40	<10
Tin	50	.7				
Titanium	10	.9				
Vanadium	50	.5	0.10	<50	0.30	<50
Zinc	20	3	anr			

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10521 Units: ug/l

Time:		08:14			08:47			09:27	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	40100	100.3	40000	40300	100.8
Antimony	2000	2020	101.0	2000	1970	98.5	2000	2020	101.0
Arsenic	2000	1980	99.0	2000	1970	98.5	2000	2010	100.5
Barium	2000	2090	104.5	2000	2000	100.0	2000	2000	100.0
Beryllium	2000	2050	102.5	2000	1990	99.5	2000	2010	100.5
Cadmium	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Calcium	40000	42500	106.3	40000	40200	100.5	40000	40200	100.5
Chromium	2000	2030	101.5	2000	2030	101.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	42500	106.3	40000	40000	100.0	40000	39900	99.8
Lead	2000	1970	98.5	2000	1950	97.5	2000	1980	99.0
Magnesium	40000	41500	103.8	40000	39500	98.8	40000	39500	98.8
Manganese	2000	2060	103.0	2000	2020	101.0	2000	2000	100.0
Molybdenum	anr								
Nickel	2000	2050	102.5	2000	1990	99.5	2000	2040	102.0
Potassium	40000	41800	104.5	40000	39900	99.8	40000	40700	101.8
Selenium	2000	2050	102.5	2000	1970	98.5	2000	2030	101.5
Silver	anr								
Sodium	40000	38000	95.0	40000	40200	100.5	40000	40300	100.8
Strontium	anr								
Thallium	2000	2090	104.5	2000	1980	99.0	2000	2000	100.0
Tin	anr								
Titanium	anr								
Vanadium	2000	2010	100.5	2000	1940	97.0	2000	1950	97.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10521 Units: ug/l

Time:		10:33			11:23			12:13	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	40200	100.5	40000	40300	100.8
Antimony	2000	2060	103.0	2000	2010	100.5	2000	2030	101.5
Arsenic	2000	2040	102.0	2000	2000	100.0	2000	2030	101.5
Barium	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Beryllium	2000	2040	102.0	2000	2020	101.0	2000	2020	101.0
Cadmium	2000	2050	102.5	2000	2030	101.5	2000	2050	102.5
Calcium	40000	40900	102.3	40000	40600	101.5	40000	40600	101.5
Chromium	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	40300	100.8	40000	40200	100.5	40000	39900	99.8
Lead	2000	2010	100.5	2000	1990	99.5	2000	2020	101.0
Magnesium	40000	40200	100.5	40000	40200	100.5	40000	40100	100.3
Manganese	2000	1990	99.5	2000	2030	101.5	2000	2040	102.0
Molybdenum									
Nickel	2000	2090	104.5	2000	2060	103.0	2000	2080	104.0
Potassium	40000	41500	103.8	40000	40700	101.8	40000	41300	103.3
Selenium	2000	2070	103.5	2000	2000	100.0	2000	2030	101.5
Silver	anr								
Sodium	40000	40600	101.5	40000	40000	100.0	40000	40400	101.0
Strontium									
Thallium	2000	2020	101.0	2000	1990	99.5	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	1960	98.0	2000	1950	97.5	2000	1960	98.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10521 Units: ug/l

Time:		13:03			13:53			14:44	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40000	100.0	40000	39500	98.8
Antimony	2000	2010	100.5	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	2010	100.5	2000	2020	101.0	2000	2000	100.0
Barium	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Beryllium	2000	2000	100.0	2000	1990	99.5	2000	1990	99.5
Cadmium	2000	2030	101.5	2000	2040	102.0	2000	2010	100.5
Calcium	40000	40300	100.8	40000	40100	100.3	40000	39800	99.5
Chromium	2000	2010	100.5	2000	2030	101.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	40000	39500	98.8	40000	39300	98.3	40000	39400	98.5
Lead	2000	2010	100.5	2000	2010	100.5	2000	1990	99.5
Magnesium	40000	39600	99.0	40000	39500	98.8	40000	39200	98.0
Manganese	2000	2020	101.0	2000	2030	101.5	2000	2010	100.5
Molybdenum									
Nickel	2000	2060	103.0	2000	2070	103.5	2000	2060	103.0
Potassium	40000	41300	103.3	40000	41000	102.5	40000	40800	102.0
Selenium	2000	2020	101.0	2000	2040	102.0	2000	2020	101.0
Silver	anr								
Sodium	40000	40200	100.5	40000	40200	100.5	40000	39700	99.3
Strontium									
Thallium	2000	2010	100.5	2000	2020	101.0	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	1940	97.0	2000	1960	98.0	2000	1940	97.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10521 Units: ug/l

Time:		15:09	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	39900	99.8
Antimony	2000	2070	103.5
Arsenic	2000	2050	102.5
Barium	2000	1990	99.5
Beryllium	2000	2000	100.0
Cadmium	2000	2030	101.5
Calcium	40000	39900	99.8
Chromium	2000	2010	100.5
Cobalt	anr		
Copper	anr		
Iron	40000	39400	98.5
Lead	2000	2020	101.0
Magnesium	40000	39200	98.0
Manganese	2000	2020	101.0
Molybdenum			
Nickel	2000	2110	105.5
Potassium	40000	41800	104.5
Selenium	2000	2070	103.5
Silver	anr		
Sodium	40000	40200	100.5
Strontium			
Thallium	2000	2030	101.5
Tin			
Titanium			
Vanadium	2000	1960	98.0
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10521 Units: ug/l

Time:		08:08	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80700	100.9
Antimony	4000	4140	103.5
Arsenic	4000	4120	103.0
Barium	4000	4000	100.0
Beryllium	4000	4070	101.8
Cadmium	4000	4000	100.0
Calcium	80000	80200	100.3
Chromium	4000	3950	98.8
Cobalt	anr		
Copper	anr		
Iron	80000	80500	100.6
Lead	4000	4120	103.0
Magnesium	80000	81200	101.5
Manganese	4000	3950	98.8
Molybdenum	anr		
Nickel	4000	4080	102.0
Potassium	80000	82900	103.6
Selenium	4000	4140	103.5
Silver	anr		
Sodium	80000	80700	100.9
Strontium	anr		
Thallium	4000	4060	101.5
Tin	anr		
Titanium	anr		
Vanadium	4000	4040	101.0
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10521 Units: ug/l

Time:			08:22		14:56	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	211	105.5	205	102.5
Antimony	10	5.0	5.4	108.0	5.4	108.0
Arsenic	20	10	10.4	104.0	10.4	104.0
Barium	400	200	208	104.0	205	102.5
Beryllium	10	5.0	5.4	108.0	5.3	106.0
Cadmium	10	5.0	5.5	110.0	5.4	108.0
Calcium	2000	1000	1080	108.0	1040	104.0
Chromium	20	10	10.7	107.0	10.4	104.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	328	109.3	315	105.0
Lead	10	5.0	5.6	112.0	6.1	122.0
Magnesium	10000	5000	5180	103.6	5080	101.6
Manganese	30	15	16.5	110.0	16.3	108.7
Molybdenum	100	50	anr			
Nickel	80	40	45.2	113.0	46.2	115.5
Potassium	20000	10000	10300	103.0	10600	106.0
Selenium	20	10	10.1	101.0	10.8	108.0
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	10100	101.0
Strontium	20	10	anr			
Thallium	20	10	8.7	87.0	9.6	96.0
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	53.5	107.0	53.2	106.4
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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB020813M1.ICP Date Analyzed: 02/08/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10521 Units: ug/l

Time: / Sample ID: / Metal	ICSA True	ICSAB True	08:30 ICSA1 Results	% Rec	08:38 ICSAB1 Results	% Rec	15:00 ICSA2 Results	% Rec	15:05 ICSAB2 Results	% Rec
Aluminum	500000	500000	512000	102.4	512000	102.4	510000	102.0	512000	102.4
Antimony		1000	-0.70		1060	106.0	-2.4		1060	106.0
Arsenic		1000	0.0		1050	105.0	0.10		1050	105.0
Barium		500	-0.40		475	95.0	-0.20		478	95.6
Beryllium		500	0.0		465	93.0	0.0		461	92.2
Cadmium		1000	0.0		876	87.6	-0.40		872	87.2
Calcium	500000	500000	477000	95.4	481000	96.2	478000	95.6	480000	96.0
Chromium		500	0.30		446	89.2	0.20		448	89.6
Cobalt		500	0.60		435	87.0	0.50		433	86.6
Copper		500	0.0		502	100.4	-0.50		504	100.8
Iron	200000	200000	189000	94.5	182000	91.0	187000	93.5	178000	89.0
Lead		1000	-0.40		885	88.5	4.2		899	89.9
Magnesium	500000	500000	502000	100.4	500000	100.0	499000	99.8	495000	99.0
Manganese		500	-0.50		449	89.8	-0.90		456	91.2
Molybdenum		1000	-0.30		997	99.7	-0.60		1010	101.0
Nickel		1000	-0.30		868	86.8	-1.0		876	87.6
Potassium			5.0		-14		23.2		-0.10	
Selenium		1000	0.0		1030	103.0	-0.90		1020	102.0
Silver		1000	-0.40		963	96.3	0.0		972	97.2
Sodium			78.5		77.2		86.7		94.9	
Strontium		1000	4.7		1090	109.0	4.9		1100	110.0
Thallium		1000	0.0		971	97.1	-0.90		979	97.9
Tin		1000	0.50		940	94.0	0.20		943	94.3
Titanium		1000	-1.8		1020	102.0	-2.0		1040	104.0
Vanadium		500	0.30		465	93.0	0.50		470	94.0
Zinc		1000	-1.0		878	87.8	-1.4		905	90.5

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24571
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/06/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-0.40	<200
Antimony	6.0	1.3	1.3	1.5	<6.0
Arsenic	10	1.6	2.5	-0.70	<10
Barium	200	1	1	-0.30	<200
Beryllium	4.0	.5	.5	0.0	<4.0
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	0.80	<1000
Chromium	10	1.8	2	-0.20	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-3.3	<300
Lead	5.0	1.1	1.1	-0.30	<5.0
Magnesium	5000	74	74	2.8	<5000
Manganese	15	.7	.7	-0.10	<15
Molybdenum	50	.6	1		
Nickel	40	.5	.5	-0.10	<40
Potassium	10000	200	200	5.8	<10000
Selenium	10	2	2	0.90	<10
Silver	10	.5	.5		
Sodium	10000	500	500	7.5	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3	-0.70	<10
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1	0.10	<50
Zinc	20	3	5		

Associated samples MP24571: FA1466-1, FA1466-2

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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24571
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/06/13 02/06/13

Metal	FA1474-1 Original	DUP	RPD	QC Limits	FA1474-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	267	274	2.6	0-20	267	28600	27000	104.9	80-120
Antimony	0.0	1.6	200.0(a)	0-20	0.0	530	500	106.0	80-120
Arsenic	11.2	11.7	4.4	0-20	11.2	2050	2000	101.9	80-120
Barium	28.9	29.8	3.1	0-20	28.9	2150	2000	106.1	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	53.5	50	107.0	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	51.4	50	102.8	80-120
Calcium	19200	19400	1.0	0-20	19200	44700	25000	102.0	80-120
Chromium	0.0	0.0	NC	0-20	0.0	212	200	106.0	80-120
Cobalt	anr								
Copper	anr								
Iron	259	264	1.9	0-20	259	27900	26000	106.3	80-120
Lead	0.0	0.0	NC	0-20	0.0	492	500	98.4	80-120
Magnesium	5660	5790	2.3	0-20	5660	31400	25000	103.0	80-120
Manganese	5.6	5.7	1.8	0-20	5.6	535	500	105.9	80-120
Molybdenum									
Nickel	0.50	0.70	33.3 (a)	0-20	0.50	529	500	105.7	80-120
Potassium	4050	4180	3.2	0-20	4050	30000	25000	103.8	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2080	2000	104.0	80-120
Silver	anr								
Sodium	31200	31600	1.3	0-20	31200	56100	25000	99.6	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	2070	2000	103.5	80-120
Tin									
Titanium									
Vanadium	5.3	5.3	0.0	0-20	5.3	527	500	104.3	80-120
Zinc	anr								

Associated samples MP24571: FA1466-1, FA1466-2

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.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24571
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/06/13

Metal	FA1474-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	267	29300	27000	107.5	2.4	20
Antimony	0.0	542	500	108.4	2.2	20
Arsenic	11.2	2100	2000	104.4	2.4	20
Barium	28.9	2210	2000	109.1	2.8	20
Beryllium	0.0	54.9	50	109.8	2.6	20
Cadmium	0.0	52.5	50	105.0	2.1	20
Calcium	19200	46300	25000	108.4	3.5	20
Chromium	0.0	216	200	108.0	1.9	20
Cobalt	anr					
Copper	anr					
Iron	259	28800	26000	109.8	3.2	20
Lead	0.0	502	500	100.4	2.0	20
Magnesium	5660	32500	25000	107.4	3.4	20
Manganese	5.6	548	500	108.5	2.4	20
Molybdenum						
Nickel	0.50	537	500	107.3	1.5	20
Potassium	4050	31000	25000	107.8	3.3	20
Selenium	0.0	2120	2000	106.0	1.9	20
Silver	anr					
Sodium	31200	58300	25000	108.4	3.8	20
Strontium						
Thallium	0.0	2130	2000	106.5	2.9	20
Tin						
Titanium						
Vanadium	5.3	537	500	106.3	1.9	20
Zinc	anr					

Associated samples MP24571: FA1466-1, FA1466-2

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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24571
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/06/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28300	27000	104.8	80-120
Antimony	505	500	101.0	80-120
Arsenic	1940	2000	97.0	80-120
Barium	2120	2000	106.0	80-120
Beryllium	51.6	50	103.2	80-120
Cadmium	51.0	50	102.0	80-120
Calcium	26600	25000	106.4	80-120
Chromium	210	200	105.0	80-120
Cobalt	anr			
Copper	anr			
Iron	27200	26000	104.6	80-120
Lead	464	500	92.8	80-120
Magnesium	25700	25000	102.8	80-120
Manganese	517	500	103.4	80-120
Molybdenum				
Nickel	509	500	101.8	80-120
Potassium	25200	25000	100.8	80-120
Selenium	1980	2000	99.0	80-120
Silver	anr			
Sodium	26200	25000	104.8	80-120
Strontium				
Thallium	1990	2000	99.5	80-120
Tin				
Titanium				
Vanadium	508	500	101.6	80-120
Zinc	anr			

Associated samples MP24571: FA1466-1, FA1466-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24571
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/06/13

Metal	FA1474-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	267	278	4.2	0-10
Antimony	0.00	7.30	NC	0-10
Arsenic	11.2	13.8	23.2 (a)	0-10
Barium	28.9	30.6	5.9	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	19200	20300	5.8	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	anr			
Copper	anr			
Iron	259	259	0.2	0-10
Lead	0.00	0.00	NC	0-10
Magnesium	5660	6120	8.2	0-10
Manganese	5.60	5.80	3.6	0-10
Molybdenum				
Nickel	0.500	0.00	100.0(a)	0-10
Potassium	4050	4350	7.2	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	31200	32500	4.2	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	5.30	5.50	3.8	0-10
Zinc	anr			

Associated samples MP24571: FA1466-1, FA1466-2

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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24571
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/06/13

Metal	Sample ml	Final ml	FA1474-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	266.7	261.366	2757	0.2	125	2500	99.8	80-120
Antimony	9.8	10	0	0	102.1	0.2	5	100	102.1	80-120
Arsenic	9.8	10	11.2	10.976	111.6	0.2	5	100	100.6	80-120
Barium	9.8	10	28.9	28.322	281.9	0.2	12.5	250	101.4	80-120
Beryllium	9.8	10	0	0	51.9	0.2	2.5	50	103.8	80-120
Cadmium	9.8	10	0	0	52.6	0.2	2.5	50	105.2	80-120
Calcium	9.8	10	19150	18767	24560	0.2	250	5000	115.9	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	259.2	254.016	3337	0.2	150	3000	102.8	80-120
Lead	9.8	10	0	0	45.7	0.2	2.5	50	91.4	80-120
Magnesium	9.8	10	5661	5547.78	10570	0.2	250	5000	100.4	80-120
Manganese	9.8	10	5.6	5.488	57.2	0.2	2.5	50	103.4	80-120
Molybdenum										
Nickel	9.8	10	0.5	0.49	104.7	0.2	5	100	104.2	80-120
Potassium	9.8	10	4054	3972.92	13820	0.2	500	10000	98.5	80-120
Selenium	9.8	10	0	0	100.7	0.2	5	100	100.7	80-120
Silver										
Sodium	9.8	10	31170	30546.6	40610	0.2	500	10000	100.6	80-120
Strontium										
Thallium	9.8	10	0	0	98.9	0.2	5	100	98.9	80-120
Tin										
Titanium										
Vanadium	9.8	10	5.3	5.194	55.8	0.2	2.5	50	101.2	80-120
Zinc										

Associated samples MP24571: FA1466-1, FA1466-2

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24574
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/07/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	0.44	<10
Antimony	1.0	.065	.095	-0.045	<1.0
Arsenic	0.50	.08	.08	-0.045	<0.50
Barium	10	.05	.25	0.0	<10
Beryllium	0.25	.025	.025	0.0	<0.25
Cadmium	0.20	.025	.025	0.0050	<0.20
Calcium	250	2.5	2.5	1.8	<250
Chromium	0.50	.09	.09	0.020	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	0.25	<15
Lead	1.0	.055	.055	-0.055	<1.0
Magnesium	250	3.7	3.8	0.24	<250
Manganese	0.75	.035	.045	0.020	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	-0.010	<2.0
Potassium	500	10	10	0.89	<500
Selenium	1.0	.1	.15	-0.15	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	0.77	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.0050	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	0.0	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24574: FA1466-3, FA1466-4, FA1466-5, FA1466-6

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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24574
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			02/07/13					02/07/13	
Metal	FA1493-4 Original	DUP	RPD	QC Limits	FA1493-4 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1400	1440	2.8	0-20	1400	2490	977	111.5	80-120
Antimony	0.0	0.054	200.0(a)	0-20	0.0	13.4	18.1	74.0N(b)	80-120
Arsenic	11.9	11.9	0.0	0-20	11.9	79.6	72.4	93.5	80-120
Barium	10.4	10.6	1.9	0-20	10.4	85.4	72.4	103.6	80-120
Beryllium	0.024	0.025	4.1	0-20	0.024	1.9	1.81	103.6	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	1.8	1.81	99.4	80-120
Calcium	623	621	0.3	0-20	623	1530	905	100.2	80-120
Chromium	1.5	1.5	0.0	0-20	1.5	8.8	7.24	100.8	80-120
Cobalt									
Copper									
Iron	91.8	97.9	6.4	0-20	91.8	1040	941	100.7	80-120
Lead	1.7	1.7	0.0	0-20	1.7	19.2	18.1	96.7	80-120
Magnesium	38.7	40.8	5.3	0-20	38.7	912	905	96.5	80-120
Manganese	0.55	0.57	3.6	0-20	0.55	18.7	18.1	100.3	80-120
Molybdenum									
Nickel	0.77	0.71	8.1	0-20	0.77	18.7	18.1	99.1	80-120
Potassium	26.3	27.1	3.0	0-20	26.3	917	905	98.4	80-120
Selenium	0.0	0.0	NC	0-20	0.0	69.0	72.4	95.3	80-120
Silver									
Sodium	0.0	0.0	NC	0-20	0.0	906	905	100.1	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	70.8	72.4	97.8	80-120
Tin									
Titanium									
Vanadium	0.73	0.76	4.0	0-20	0.73	18.8	18.1	99.8	80-120
Zinc									

Associated samples MP24574: FA1466-3, FA1466-4, FA1466-5, FA1466-6

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 and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24574 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 02/07/13

Metal	FA1493-4 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	1400	2820	1140	124.4N(a	12.4	20
Antimony	0.0	15.9	21.1	75.2N(a)	17.1	20
Arsenic	11.9	89.3	84.6	91.5	11.5	20
Barium	10.4	97.7	84.6	103.2	13.4	20
Beryllium	0.024	2.2	2.11	102.9	14.6	20
Cadmium	0.0	2.0	2.11	94.6	10.5	20
Calcium	623	1670	1060	99.0	8.8	20
Chromium	1.5	10.3	8.46	104.1	15.7	20
Cobalt						
Copper						
Iron	91.8	1220	1100	102.6	15.9	20
Lead	1.7	21.6	21.1	94.1	11.8	20
Magnesium	38.7	1060	1060	96.6	15.0	20
Manganese	0.55	21.7	21.1	100.0	14.9	20
Molybdenum						
Nickel	0.77	24.7	21.1	113.2	27.6 (b)	20
Potassium	26.3	1070	1060	98.7	15.4	20
Selenium	0.0	80.2	84.6	94.8	15.0	20
Silver						
Sodium	0.0	1070	1060	101.2	16.6	20
Strontium						
Thallium	0.0	81.1	84.6	95.9	13.6	20
Tin						
Titanium						
Vanadium	0.73	21.6	21.1	98.7	13.9	20
Zinc						

Associated samples MP24574: FA1466-3, FA1466-4, FA1466-5, FA1466-6

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 and/or sample nonhomogeneity.
(b) High RPD due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24574
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/07/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1400	1350	103.7	80-120
Antimony	25.2	25	100.8	80-120
Arsenic	97.4	100	97.4	80-120
Barium	105	100	105.0	80-120
Beryllium	2.6	2.5	104.0	80-120
Cadmium	2.5	2.5	100.0	80-120
Calcium	1280	1250	102.4	80-120
Chromium	10.5	10	105.0	80-120
Cobalt				
Copper				
Iron	1370	1300	105.4	80-120
Lead	23.7	25	94.8	80-120
Magnesium	1230	1250	98.4	80-120
Manganese	25.8	25	103.2	80-120
Molybdenum				
Nickel	26.2	25	104.8	80-120
Potassium	1280	1250	102.4	80-120
Selenium	97.8	100	97.8	80-120
Silver				
Sodium	1290	1250	103.2	80-120
Strontium				
Thallium	97.3	100	97.3	80-120
Tin				
Titanium				
Vanadium	25.7	25	102.8	80-120
Zinc				

Associated samples MP24574: FA1466-3, FA1466-4, FA1466-5, FA1466-6

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24574
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/07/13

Metal	FA1493-4 Original	SDL 1:5	%DIF	QC Limits
Aluminum	35600	40800	14.8*(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	301	355	17.9*(a)	0-10
Barium	265	299	13.2*(a)	0-10
Beryllium	0.600	0.00	100.0(b)	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	15800	18800	18.9*(a)	0-10
Chromium	38.4	41.3	7.6	0-10
Cobalt				
Copper				
Iron	2330	2650	14.0*(a)	0-10
Lead	43.2	46.0	6.5	0-10
Magnesium	981	1170	19.5 (b)	0-10
Manganese	14.0	42.2	201.4(b)	0-10
Molybdenum				
Nickel	19.5	22.0	12.8 (b)	0-10
Potassium	667	0.00	100.0(b)	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	0.00	0.00	NC	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	18.6	20.0	7.5	0-10
Zinc				

Associated samples MP24574: FA1466-3, FA1466-4, FA1466-5, FA1466-6

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: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24574
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/07/13

Metal	Sample ml	Final ml	FA1493-4 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	35550	34839	37760	0.2	125	2500	116.8	80-120
Antimony	9.8	10	0	0	97.3	0.2	5	100	97.3	80-120
Arsenic	9.8	10	301.3	295.274	393.8	0.2	5	100	98.5	80-120
Barium	9.8	10	264.5	259.21	515.9	0.2	12.5	250	102.7	80-120
Beryllium	9.8	10	0.6	0.588	52.6	0.2	2.5	50	104.0	80-120
Cadmium	9.8	10	0	0	50.8	0.2	2.5	50	101.6	80-120
Calcium	9.8	10	15800	15484	21360	0.2	250	5000	117.5	80-120
Chromium	9.8	10	38.4	37.632	88.6	0.2	2.5	50	101.9	80-120
Cobalt										
Copper										
Iron	9.8	10	2327	2280.46	5352	0.2	150	3000	102.4	80-120
Lead	9.8	10	43.2	42.336	89.1	0.2	2.5	50	93.5	80-120
Magnesium	9.8	10	980.5	960.89	5683	0.2	250	5000	94.4	80-120
Manganese	9.8	10	14	13.72	65.2	0.2	2.5	50	103.0	80-120
Molybdenum										
Nickel	9.8	10	19.5	19.11	121.2	0.2	5	100	102.1	80-120
Potassium	9.8	10	666.9	653.562	10460	0.2	500	10000	98.1	80-120
Selenium	9.8	10	0	0	94.2	0.2	5	100	94.2	80-120
Silver										
Sodium	9.8	10	0	0	10160	0.2	500	10000	101.6	80-120
Strontium										
Thallium	9.8	10	0	0	96.5	0.2	5	100	96.5	80-120
Tin										
Titanium										
Vanadium	9.8	10	18.6	18.228	69	0.2	2.5	50	101.5	80-120
Zinc										

Associated samples MP24574: FA1466-3, FA1466-4, FA1466-5, FA1466-6

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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1466
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	GN54160	5.0	0.0	mg/l	250	254	102.0	90-113%
Chloride	GP20922/GN54023	2.0	0.0	mg/l	50	51.4	102.8	90-110%
Fluoride	GP20922/GN54023	0.20	0.0	mg/l	2.5	2.39	95.6	90-110%
Fluoride	GP20972/GN54142	1.0	0.0	mg/kg	25	24.9	99.7	90-110%
Nitrogen, Ammonia	GP20926/GN54040	0.10	0.0	mg/l	2.5	2.51	100.4	90-110%
Nitrogen, Ammonia	GP20995/GN54202	1.2	0.0	mg/kg	30	29.9	99.7	80-120%
Nitrogen, Nitrate	GP20922/GN54023	0.10	0.0	mg/l	2.5	2.45	98.0	90-110%
Nitrogen, Nitrate	GP20972/GN54142	1.0	0.0	mg/kg	25	25.2	100.9	90-110%
Nitrogen, Total Kjeldahl	GP20934/GN54106	10	0.0	mg/kg	105	100	95.2	80-120%
Nitrogen, Total Kjeldahl	GP20969/GN54150	0.53	0.0	mg/l	2.63	2.69	102.5	90-110%
Phosphate, Ortho	GP20930/GN54032	0.10	0.0	mg/l	0.300	0.32	106.5	83-116%
Phosphorus, Total	GP20962/GN54139	6.7	0.0	mg/kg	20	19.5	97.5	81-126%
Phosphorus, Total	GP20980/GN54176	6.7	0.0	mg/kg	20.0	19.6	98.2	81-126%
Phosphorus, Total	GP20981/GN54175	0.10	0.0	mg/l	.300	0.29	95.5	81-118%
Solids, Total Dissolved	GN54052	100	13.0	mg/l				
Specific Conductivity	GN54015	1.0	0.0	umhos/cm				
Sulfate	GP20922/GN54023	2.0	0.0	mg/l	50	52.1	104.2	90-110%
Sulfate	GP20972/GN54142	20	0.0	mg/kg	500	532	106.5	90-110%

Associated Samples:
Batch GN54015: FA1466-1, FA1466-2
Batch GN54052: FA1466-2
Batch GN54139: FA1466-3, FA1466-4
Batch GN54160: FA1466-2
Batch GP20922: FA1466-1, FA1466-2
Batch GP20926: FA1466-1
Batch GP20930: FA1466-2F
Batch GP20934: FA1466-3, FA1466-4, FA1466-5, FA1466-6
Batch GP20962: FA1466-3, FA1466-4
Batch GP20969: FA1466-1
Batch GP20972: FA1466-3, FA1466-4, FA1466-5, FA1466-6
Batch GP20980: FA1466-5, FA1466-6
Batch GP20981: FA1466-1, FA1466-2
Batch GP20995: FA1466-3, FA1466-4, FA1466-5, FA1466-6
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1466
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	GN54160	FA1526-1	mg/l	75.7	75.5	0.3	0-20%
Phosphate, Ortho	GP20930/GN54032	FA1466-2F	mg/l	0.020 U	0.0	0.0	0-26%
Phosphorus, Total	GP20962/GN54139	FA1446-2	mg/kg	15300	15200	0.8	0-23%
Phosphorus, Total	GP20980/GN54176	FA1466-5	mg/kg	12700	14300	17.2	0-23%
Phosphorus, Total	GP20981/GN54175	FA1566-1	mg/l	4550	4390	3.6	0-22%
Solids, Percent	GN54014	FA1466-3	%	93.8	87.6	6.8*(a)	0-5%
Solids, Total Dissolved	GN54052	FA1507-3	mg/l	590	567	4.0	0-5%
Specific Conductivity	GN54015	FA1466-1	umhos/cm	9.3	9.3	0.4	0-10%
pH	GN54016	FA1466-1	su	4.40	4.43	0.7	0-10%
pH	GN54242	FA1466-3	su	10.38	10.24	1.4	0-10%

Associated Samples:
Batch GN54014: FA1466-3, FA1466-4, FA1466-5, FA1466-6
Batch GN54015: FA1466-1, FA1466-2
Batch GN54016: FA1466-1, FA1466-2
Batch GN54052: FA1466-2
Batch GN54139: FA1466-3, FA1466-4
Batch GN54160: FA1466-2
Batch GN54242: FA1466-3, FA1466-4, FA1466-5, FA1466-6
Batch GP20930: FA1466-2F
Batch GP20962: FA1466-3, FA1466-4
Batch GP20980: FA1466-5, FA1466-6
Batch GP20981: FA1466-1, FA1466-2
(*) Outside of QC limits
(a) Outside control limits.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1466
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	GN54160	FA1526-1	mg/l	75.7	250	318	96.8	90-113%
Chloride	GP20922/GN54023	FA1323-1	mg/l	23.6	50	73.6	100.0	90-110%
Fluoride	GP20922/GN54023	FA1323-1	mg/l	0.24	2.5	1.7	58.4N(a)	90-110%
Fluoride	GP20972/GN54163	FA1466-6	mg/kg	3170	32	3180	31.3(b)	90-110%
Nitrogen, Ammonia	GP20926/GN54040	FA1451-15	mg/l	0.030 U	2.5	2.5	100.0	90-110%
Nitrogen, Ammonia	GP20995/GN54202	FA1446-4	mg/kg	184	35.4	213	81.8	80-120%
Nitrogen, Nitrate	GP20922/GN54023	FA1323-1	mg/l	0.10 U	2.5	2.3	92.0	90-110%
Nitrogen, Nitrate	GP20972/GN54142	FA1466-6	mg/kg	3.2 U	32	30.9	96.6	90-110%
Nitrogen, Total Kjeldahl	GP20934/GN54106	FA1446-1	mg/kg	655	115	629	-22.7(b)	80-120%
Nitrogen, Total Kjeldahl	GP20969/GN54150	FA1479-1	mg/l	1.7	2.63	3.7	76.2N(a)	90-110%
Phosphate, Ortho	GP20930/GN54032	FA1466-2F	mg/l	0.020 U	0.300	0.36	115.8	83-116%
Phosphorus, Total	GP20962/GN54139	FA1446-2	mg/kg	15300	27	15400	275.2(b)	81-126%
Phosphorus, Total	GP20980/GN54176	FA1466-5	mg/kg	12700	21.2	14000	4380.0*(c)	81-126%
Phosphorus, Total	GP20981/GN54175	FA1566-1	mg/l	4550	.300	4450	0.0(b)	81-118%
Sulfate	GP20922/GN54023	FA1323-1	mg/l	28.5	50	77.3	97.6	90-110%
Sulfate	GP20972/GN54142	FA1466-6	mg/kg	1610	639	2170	87.6N(a)	90-110%

Associated Samples:
Batch GN54139: FA1466-3, FA1466-4
Batch GN54160: FA1466-2
Batch GP20922: FA1466-1, FA1466-2
Batch GP20926: FA1466-1
Batch GP20930: FA1466-2F
Batch GP20934: FA1466-3, FA1466-4, FA1466-5, FA1466-6
Batch GP20962: FA1466-3, FA1466-4
Batch GP20969: FA1466-1
Batch GP20972: FA1466-3, FA1466-4, FA1466-5, FA1466-6
Batch GP20980: FA1466-5, FA1466-6
Batch GP20981: FA1466-1, FA1466-2
Batch GP20995: FA1466-3, FA1466-4, FA1466-5, FA1466-6
(*) 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: FA1466
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	GP20922/GN54023	FA1323-1	mg/l	23.6	50	72.8	1.1	
Fluoride	GP20922/GN54023	FA1323-1	mg/l	0.24	2.5	1.7	0.0N(a)	
Fluoride	GP20972/GN54163	FA1466-6	mg/kg	3170	32	3130	1.6(b)	
Nitrogen, Ammonia	GP20926/GN54040	FA1451-15	mg/l	0.030 U	2.5	2.5	0.0	20%
Nitrogen, Ammonia	GP20995/GN54202	FA1446-4	mg/kg	184	34.8	207	2.9	30%
Nitrogen, Nitrate	GP20922/GN54023	FA1323-1	mg/l	0.10 U	2.5	2.3	0.0	
Nitrogen, Nitrate	GP20972/GN54142	FA1466-6	mg/kg	3.2 U	32	31.9	3.2	
Nitrogen, Total Kjeldahl	GP20934/GN54106	FA1446-1	mg/kg	655	124	543	14.7(b)	30%
Nitrogen, Total Kjeldahl	GP20969/GN54150	FA1479-1	mg/l	1.7	2.63	3.6	2.7N(a)	20%
Phosphorus, Total	GP20962/GN54139	FA1446-2	mg/kg	15300	27	15500	0.3	23%
Phosphorus, Total	GP20980/GN54176	FA1466-5	mg/kg	12700	21.2	13000	4.8	23%
Phosphorus, Total	GP20981/GN54175	FA1566-1	mg/l	4550	.300	4490	0.9(c)	22%
Sulfate	GP20922/GN54023	FA1323-1	mg/l	28.5	50	76.0	1.7	
Sulfate	GP20972/GN54142	FA1466-6	mg/kg	1610	639	2130	1.9N(a)	

Associated Samples:
Batch GN54139: FA1466-3, FA1466-4
Batch GP20922: FA1466-1, FA1466-2
Batch GP20926: FA1466-1
Batch GP20934: FA1466-3, FA1466-4, FA1466-5, FA1466-6
Batch GP20962: FA1466-3, FA1466-4
Batch GP20969: FA1466-1
Batch GP20972: FA1466-3, FA1466-4, FA1466-5, FA1466-6
Batch GP20980: FA1466-5, FA1466-6
Batch GP20981: FA1466-1, FA1466-2
Batch GP20995: FA1466-3, FA1466-4, FA1466-5, FA1466-6
(*) 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.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313060201.TXT Date Analyzed: 02/06/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54023
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:51	GN54023-CCV1	1		
11:07	GN54023-CCB1	1		
11:23	GP20922-MB1	1		
11:38	GP20922-B1	1		
12:26	FA1466-1	1		
12:42	FA1466-2	1		
13:14	FA1323-1	2		(sample used for QC only; not part of login FA1466)
13:30	ZZZZZZ	5		
13:46	ZZZZZZ	2		
14:01	GN54023-CCV2	1		
14:17	GN54023-CCB2	1		
14:33	ZZZZZZ	2		
15:26	GP20922-S1	2		
15:42	GP20922-S2	2		
15:58	GN54023-CCV3	1		
16:14	GN54023-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313060201.TXT Date Analyzed: 02/06/13 Methods: EPA 300/SW846 9056A
Run ID: GN54023 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54023-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54023-CCV1	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54023-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54023-CCV1	Sulfate	51.8	2.0	0.60	50	103.6	90-110
GN54023-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54023-CCB1	Chloride	0.80 U	2.0	0.80			
GN54023-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54023-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54023-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54023-CCV2	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54023-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54023-CCV2	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54023-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54023-CCB2	Chloride	0.80 U	2.0	0.80			
GN54023-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54023-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54023-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54023-CCV3	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN54023-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54023-CCV3	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54023-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54023-CCB3	Chloride	0.80 U	2.0	0.80			
GN54023-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54023-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: B020713AMN1.CSV Date Analyzed: 02/07/13 Methods: EPA 350.1
Analyst: VK Run ID: GN54040
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:18	GN54040-ICV1	1		
13:20	GN54040-CCV1	1		
13:21	GN54040-CCB1	1		
13:22	GP20926-MB1	1		
13:23	GP20926-B1	1		
13:24	GP20926-S1	1		
13:25	GP20926-S2	1		
13:26	FA1451-15	1		(sample used for QC only; not part of login FA1466)
13:27	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:33	GN54040-CCV2	1		
13:34	GN54040-CCB2	1		
13:35	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:47	GN54040-CCV3	1		
13:48	GN54040-CCB3	1		
13:49	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:51	FA1466-1	1		
13:53	GN54040-CCV4	1		
13:54	GN54040-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: B020713AMN1.CSV Date Analyzed: 02/07/13 Methods: EPA 350.1
Run ID: GN54040 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54040-ICV1	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54040-CCV1	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54040-CCB1	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54040-CCV2	Nitrogen, Ammonia	2.3	0.10	0.030	2.5	92.0	90-110
GN54040-CCB2	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54040-CCV3	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54040-CCB3	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54040-CCV4	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54040-CCB4	Nitrogen, Ammonia	0.030 U	0.10	0.030			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021213TKN1.CSV Date Analyzed: 02/12/13 Methods: EPA 351.2 M
Analyst: TC Run ID: GN54106
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:30	GN54106-ICV1	1		
11:31	GN54106-CCV1	1		
11:32	GN54106-CCB1	1		
11:33	GP20934-MB1	1		
11:34	GP20934-B1	1		
11:44	GN54106-CCV2	1		
11:45	GN54106-CCB2	1		
11:46	ZZZZZZ	1		
11:49	FA1466-3	1		
11:54	FA1446-1	5		(sample used for QC only; not part of login FA1466)
11:55	GP20934-S1	5		
11:57	GN54106-CCV3	1		
11:58	GN54106-CCB3	1		
11:59	ZZZZZZ	5		
12:01	ZZZZZZ	10		
12:02	ZZZZZZ	5		
12:03	ZZZZZZ	5		
12:04	ZZZZZZ	25		
12:05	ZZZZZZ	10		
12:06	FA1466-4	2		
12:07	FA1466-5	5		
12:08	FA1466-6	5		
12:09	GP20934-S2	5		
12:11	GN54106-CCV4	1		
12:12	GN54106-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021213TKN1.CSV Date Analyzed: 02/12/13 Methods: EPA 351.2 M
Run ID: GN54106 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54106-ICV1	Nitrogen, Total Kjeldahl	2.7	0.25	0.10	2.5	108.0	90-110
GN54106-CCV1	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54106-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54106-CCV2	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54106-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54106-CCV3	Nitrogen, Total Kjeldahl	2.3	0.25	0.10	2.5	92.0	90-110
GN54106-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54106-CCV4	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54106-CCB4	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54142
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:46	GN54142-CCV1	1		
11:02	GN54142-CCB1	1		
11:18	GP20974-MB1	1		
12:07	GP20974-B1	1		
12:54	FA1526-1	1		(sample used for QC only; not part of login FA1466)
13:10	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:42	GP20974-S1	1		
13:58	GP20974-S2	1		
14:14	GN54142-CCV2	1		
14:29	GN54142-CCB2	1		
15:14	GP20972-MB1	1		
15:30	GP20972-B1	1		
16:15	FA1371-12	25		(sample used for QC only; not part of login FA1466)
16:31	GP20947-S3	25		
16:47	GP20947-S4	25		
17:19	ZZZZZZ	10		
17:35	ZZZZZZ	5		
17:50	ZZZZZZ	5		
18:22	GN54142-CCV3	1		
18:38	GN54142-CCB3	1		
18:54	ZZZZZZ	5		
19:10	FA1446-4	5		(sample used for QC only; not part of login FA1466)
19:26	ZZZZZZ	5		
19:42	ZZZZZZ	5		
19:58	ZZZZZZ	5		
20:14	ZZZZZZ	5		
20:29	FA1466-3	5		
20:45	FA1466-4	5		
21:01	FA1466-5	5		
21:33	GN54142-CCV4	1		
21:49	GN54142-CCB4	1		
22:05	FA1466-6	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54142
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:21	GP20972-S1	5		
22:37	GP20972-S2	5		
22:52	GP20972-S3	5		
23:08	GP20972-S4	5		
23:40	GN54142-CCV5	1		
23:56	GN54142-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120201.TXT Date Analyzed: 02/12/13 Methods: EPA 300/SW846 9056A
Run ID: GN54142 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54142-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54142-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54142-CCV1	Sulfate	52.5	2.0	0.60	50	105.0	90-110
GN54142-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54142-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54142-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54142-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54142-CCV2	Sulfate	52.4	2.0	0.60	50	104.8	90-110
GN54142-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54142-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54142-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54142-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54142-CCV3	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN54142-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54142-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54142-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54142-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54142-CCV4	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN54142-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54142-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54142-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54142-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54142-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54142-CCV5	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN54142-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54142-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54142-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021413TKN2.CSV Date Analyzed: 02/14/13 Methods: EPA 351.2
Analyst: MG Run ID: GN54150
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:21	GN54150-ICV1	1		
12:23	GN54150-CCV1	1		
12:24	GN54150-CCB1	1		
12:25	GP20969-MB1	1		
12:26	GP20969-B1	1		
12:27	FA1479-1	1		(sample used for QC only; not part of login FA1466)
12:28	GP20969-S1	1		
12:29	GP20969-S2	5		
12:31	FA1466-1	1		
12:32	ZZZZZZ	1		
12:36	GN54150-CCV2	1		
12:37	GN54150-CCB2	1		
12:39	ZZZZZZ	25		
12:40	GN54150-CCV3	1		
12:41	GN54150-CCB3	1		
12:43	ZZZZZZ	5		
12:45	GN54150-CCV4	1		
12:46	GN54150-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021413TKN2.CSV Date Analyzed: 02/14/13 Methods: EPA 351.2
Run ID: GN54150 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54150-ICV1	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54150-CCV1	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54150-CCB1	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54150-CCV2	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54150-CCB2	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54150-CCV3	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54150-CCB3	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54150-CCV4	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54150-CCB4	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130201.TXT Date Analyzed: 02/13/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54163
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:19	GN54163-CCV1	1		
10:34	GN54163-CCB1	1		
10:50	GP20979-MB1	1		
11:06	GP20979-B1	1		
11:54	ZZZZZZ	1		
12:10	ZZZZZZ	10		
12:26	ZZZZZZ	1		
12:42	ZZZZZZ	5		
12:57	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:29	GN54163-CCV2	1		
13:45	GN54163-CCB2	1		
14:01	ZZZZZZ	1		
14:17	FA1673-6	1		(sample used for QC only; not part of login FA1466)
14:33	ZZZZZZ	1		
14:49	ZZZZZZ	1		
15:05	FA1673-13	1		(sample used for QC only; not part of login FA1466)
15:20	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:52	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:24	ZZZZZZ	2		
16:40	GN54163-CCV3	1		
16:56	GN54163-CCB3	1		
17:12	ZZZZZZ	5		
17:28	ZZZZZZ	5		
17:44	ZZZZZZ	5		
17:59	ZZZZZZ	5		
18:15	GP20979-S1	1		
18:31	GP20979-S2	1		
18:47	GP20979-S3	1		
19:03	GP20979-S4	1		
19:19	GN54163-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130201.TXT Date Analyzed: 02/13/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54163
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:35	GN54163-CCB4	1		
19:51	ZZZZZZ	50		
20:07	ZZZZZZ	25		
20:23	ZZZZZZ	25		
20:38	ZZZZZZ	25		
20:54	FA1466-6	50		
21:10	GP20972-S3	50		
21:26	GP20972-S4	50		
21:58	GN54163-CCV5	1		
22:14	GN54163-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130201.TXT Date Analyzed: 02/13/13 Methods: EPA 300/SW846 9056A
Run ID: GN54163 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54163-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54163-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54163-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54163-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54163-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54163-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54163-CCB5	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54202
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:21	GN54202-ICV1	1		
13:22	GN54202-CCV1	1		
13:23	GN54202-CCB1	1		
13:24	GP20995-MB1	1		
13:25	GP20995-B1	1		
13:32	ZZZZZZ	1		
13:34	GN54202-CCV2	1		
13:35	GN54202-CCB2	1		
13:40	FA1466-4	1		
13:41	FA1466-5	1		
13:44	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:47	GN54202-CCV3	1		
13:48	GN54202-CCB3	1		
14:11	GN54202-CCV4	1		
14:12	GN54202-CCB4	1		
14:13	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:17	GP20995-S1	5		
14:18	GP20995-S2	5		
14:19	FA1446-4	5		(sample used for QC only; not part of login FA1466)
14:20	ZZZZZZ	2		
14:21	ZZZZZZ	2		
14:22	ZZZZZZ	10		
14:23	GN54202-CCV5	1		
14:24	GN54202-CCB5	1		
14:25	ZZZZZZ	10		
14:26	ZZZZZZ	25		
14:27	ZZZZZZ	2		
14:28	FA1466-3	2		
14:29	FA1466-6	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54202
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:30	ZZZZZZ	2		
14:31	ZZZZZZ	5		
14:33	GN54202-CCV6	1		
14:35	GN54202-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1466
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Run ID: GN54202 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54202-ICV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV2	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV3	Nitrogen, Ammonia	2.6	0.10	0.022	2.5	104.0	90-110
GN54202-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV4	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB4	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV5	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB5	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV6	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB6	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA1466
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1466-3 **Analyzed:** 06-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-42 (0-1)

Wet Weight (Total)	9.28	g
Tare Weight	1.02	g
Dry Weight (Total)	8.77	g
Solids, Percent	93.8	%

Sample: FA1466-4 **Analyzed:** 06-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-42 (1-2)

Wet Weight (Total)	9.48	g
Tare Weight	1.03	g
Dry Weight (Total)	8.86	g
Solids, Percent	92.7	%

Sample: FA1466-5 **Analyzed:** 06-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-42 (4-5)

Wet Weight (Total)	9.97	g
Tare Weight	1.04	g
Dry Weight (Total)	9.46	g
Solids, Percent	94.3	%

Sample: FA1466-6 **Analyzed:** 06-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-42 (9-10)

Wet Weight (Total)	9.84	g
Tare Weight	1.07	g
Dry Weight (Total)	7.89	g
Solids, Percent	77.8	%

Southeast ACCUTEST LABORATORIES

02/21/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA1564

Sampling Dates: 02/06/13 - 02/07/13

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: **106**

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.

Table of Contents

-1-

Section 1: Sample Summary 3
Section 2: Case Narrative/Conformance Summary 4
Section 3: Summary of Hits 9
Section 4: Sample Results 13
- **4.1:** FA1564-1: A-43 (14-15) 14
- **4.2:** FA1564-2: A-44-75 16
- **4.3:** FA1564-3: A-44 (0-1) 18
- **4.4:** FA1564-4: A-44 (1-2) 20
- **4.5:** FA1564-5: A-44 (4-5) 22
- **4.6:** FA1564-6: WATER-EB-2/6/13 24
- **4.7:** FA1564-6F: WATER-EB-2/6/13 26

Section 5: Misc. Forms 27
- **5.1:** Chain of Custody 28

Section 6: Metals Analysis - QC Data Summaries 30
- **6.1:** Inst QC MA10524: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 31
- **6.2:** Inst QC MA10528: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V 43
- **6.3:** Inst QC MA10530: Al 59
- **6.4:** Prep QC MP24586: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 75
- **6.5:** Prep QC MP24591: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 81

Section 7: General Chemistry - QC Data Summaries 87
- **7.1:** Method Blank and Spike Results Summary 88
- **7.2:** Duplicate Results Summary 89
- **7.3:** Matrix Spike Results Summary 90
- **7.4:** Matrix Spike Duplicate Results Summary 91
- **7.5:** Inst QC GN54101: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 92
- **7.6:** Inst QC GN54165: Nitrogen, Total Kjeldahl 95
- **7.7:** Inst QC GN54173: Fluoride,Nitrogen, Nitrate,Sulfate 97
- **7.8:** Inst QC GN54200: Sulfate 100
- **7.9:** Inst QC GN54202: Nitrogen, Ammonia 103
- **7.10:** Percent Solids Raw Data Summary 106

Sample Summary

WSP Environment & Energy

Job No: FA1564

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
FA1564-1	02/06/13	14:00	SD	02/08/13	SO	Soil	A-43 (14-15)
FA1564-2	02/07/13	12:00	SD	02/08/13	SO	Soil	A-44-75
FA1564-3	02/07/13	11:40	SD	02/08/13	SO	Soil	A-44 (0-1)
FA1564-4	02/07/13	11:41	SD	02/08/13	SO	Soil	A-44 (1-2)
FA1564-5	02/07/13	11:42	SD	02/08/13	SO	Soil	A-44 (4-5)
FA1564-6	02/06/13	16:00	SD	02/08/13	AQ	Equipment Blank	WATER-EB-2/6/13
FA1564-6F	02/06/13	16:00	SD	02/08/13	AQ	Equip Blank Filtered	WATER-EB-2/6/13

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA1564

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs **Report Date:** 2/21/2013 9:57:34 AM

7 Sample(s) were collected on/between 02/06/2013 and 02/07/2013 and were received at Accutest on 02/08/2013 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of FA1564. 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:** MP24591

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) FA1589-1DUP, FA1589-1MS, FA1589-1MSD, FA1589-1PS, FA1589-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Aluminum, Sodium, Calcium, Iron are outside control limits for sample MP24591-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24591-SD1 for Calcium: Serial dilution indicates possible matrix interference.

MP24591-SD1 for Iron: Serial dilution indicates possible matrix interference.

Matrix: SO **Batch ID:** MP24586

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) FA1564-1DUP, FA1564-1MS, FA1564-1MSD, FA1564-1PS, FA1564-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Antimony, Magnesium, Manganese, Vanadium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery(s) for Antimony, Barium, Magnesium, Manganese, Potassium, Vanadium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Aluminum, Calcium, Chromium, Iron 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 Aluminum, Calcium, Chromium, Vanadium, Arsenic, Beryllium, Lead, Potassium, Sodium are outside control limits for sample MP24586-D1. High RPD due to possible sample nonhomogeneity.

RPD(s) for MSD for Aluminum, Antimony, Barium, Calcium, Chromium, Lead, Magnesium, Sodium, Thallium, Vanadium are outside control limits for sample MP24586-S2. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Beryllium, Lead are outside control limits for sample MP24586-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24586-D1 for Sodium: RPD acceptable due to low duplicate and sample concentrations.

MP24586-D1 for Potassium: RPD acceptable due to low duplicate and sample concentrations.

MP24586-D1 for Arsenic: RPD acceptable due to low duplicate and sample concentrations.

MP24586-D1 for Beryllium: RPD acceptable due to low duplicate and sample concentrations.
MP24586-D1 for Lead: RPD acceptable due to low duplicate and sample concentrations.

MP24586-PS1 for Aluminum: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24586-PS1 for Barium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24586-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24586

MP24586-PS1 for Chromium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24586-PS1 for Iron: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24586-PS1 for Magnesium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24586-PS1 for Manganese: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24586-PS1 for Potassium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24586-PS1 for Thallium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24586-PS1 for Vanadium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA1564-5 for Beryllium: Sample dilution required due to sample matrix.
FA1564-2 for Lead: Sample dilution required due to sample matrix.

FA1564-1 for Manganese: Sample dilution required due to sample matrix.

FA1564-3 for Lead: Sample dilution required due to sample matrix.

FA1564-4 for Lead: Sample dilution required due to sample matrix.

FA1564-5 for Aluminum: Sample dilution required due to sample matrix.

FA1564-5 for Antimony: Sample dilution required due to sample matrix.

FA1564-5 for Arsenic: Sample dilution required due to sample matrix.

FA1564-5 for Barium: Sample dilution required due to sample matrix.

FA1564-5 for Cadmium: Sample dilution required due to sample matrix.

FA1564-1 for Nickel: Sample dilution required due to sample matrix.

FA1564-1 for Aluminum: Sample dilution required due to sample matrix.

FA1564-1 for Antimony: Sample dilution required due to sample matrix.

FA1564-1 for Arsenic: Sample dilution required due to sample matrix.

FA1564-1 for Barium: Sample dilution required due to sample matrix.

FA1564-1 for Beryllium: Sample dilution required due to sample matrix.

FA1564-1 for Cadmium: Sample dilution required due to sample matrix.

FA1564-1 for Calcium: Sample dilution required due to sample matrix.

FA1564-1 for Chromium: Sample dilution required due to sample matrix.

FA1564-1 for Potassium: Sample dilution required due to sample matrix.

FA1564-1 for Lead: Sample dilution required due to sample matrix.

FA1564-4 for Vanadium: Elevated reporting limit(s) due to matrix interference.

FA1564-5 for Calcium: Sample dilution required due to sample matrix.

FA1564-1 for Selenium: Sample dilution required due to sample matrix.

FA1564-1 for Sodium: Sample dilution required due to sample matrix.

FA1564-1 for Thallium: Sample dilution required due to sample matrix.

FA1564-1 for Vanadium: Sample dilution required due to sample matrix.

FA1564-1 for Iron: Sample dilution required due to sample matrix.

FA1564-4 for Sodium: Elevated reporting limit(s) due to matrix interference.

FA1564-4 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1564-3 for Beryllium: Elevated reporting limit(s) due to matrix interference.

FA1564-3 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1564-3 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA1564-3 for Potassium: Elevated reporting limit(s) due to matrix interference.

FA1564-3 for Iron: Elevated reporting limit(s) due to matrix interference.

FA1564-3 for Thallium: Elevated reporting limit(s) due to matrix interference.

FA1564-3 for Manganese: Elevated reporting limit(s) due to matrix interference.

FA1564-3 for Nickel: Elevated reporting limit(s) due to matrix interference.

FA1564-4 for Thallium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24586

FA1564-4 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1564-4 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1564-4 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1564-3 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1564-4 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1564-3 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1564-3 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1564-3 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1564-4 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1564-4 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1564-4 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1564-1 for Magnesium: Sample dilution required due to sample matrix.
FA1564-4 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1564-5 for Chromium: Sample dilution required due to sample matrix.
FA1564-4 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1564-4 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1564-4 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1564-4 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1564-3 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1564-4 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1564-5 for Sodium: Sample dilution required due to sample matrix.
FA1564-5 for Thallium: Sample dilution required due to sample matrix.
FA1564-5 for Vanadium: Sample dilution required due to sample matrix.
FA1564-2 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1564-5 for Potassium: Sample dilution required due to sample matrix.
FA1564-5 for Nickel: Sample dilution required due to sample matrix.
FA1564-5 for Manganese: Sample dilution required due to sample matrix.
FA1564-5 for Magnesium: Sample dilution required due to sample matrix.
FA1564-2 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1564-3 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1564-3 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1564-5 for Selenium: Sample dilution required due to sample matrix.
FA1564-5 for Iron: Sample dilution required due to sample matrix.
FA1564-2 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1564-3 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1564-3 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1564-5 for Lead: Sample dilution required due to sample matrix.
FA1564-2 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1564-2 for Potassium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54066

All method blanks for this batch meet method specific criteria.

Sample(s) FA1566-1DUP was used as the QC sample for Specific Conductivity.

The following sample were run outside of holding time for method EPA 120.1: FA1564-6. Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP20959

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) FA1564-6MS, FA1564-6MSD 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. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA1564-6 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

Matrix: SO **Batch ID:** GP20984

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) FA1564-5MS, FA1564-5MSD were used as the QC samples for Fluoride, Nitrogen, Nitrate, Sulfate.

Matrix Spike Recovery(s) for Fluoride, Nitrogen, Nitrate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Matrix Spike Duplicate Recovery(s) for Fluoride, Nitrogen, Nitrate, Sulfate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA1564-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1564-5 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP20995

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) FA1446-4MS, FA1446-4MSD were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 351.2 M

Matrix: SO **Batch ID:** GP20970

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) FA1564-1MS, FA1564-1MSD were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP20943

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) FA1564-6FDUP, FA1564-6FMS were used as the QC samples for Phosphate, Ortho.

Matrix Spike Recovery(s) for Phosphate, Ortho are outside control limits. Spike recovery indicates possible matrix interference.

Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP20981

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1566-1DUP, FA1566-1MSD 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 EPA 365.3M

Matrix: SO **Batch ID:** GP20980

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) FA1466-5DUP, FA1466-5MSD 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 recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

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

Matrix: AQ **Batch ID:** GN54089

Sample(s) FA1566-1DUP was used as the QC samples for pH.

FA1564-6 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54160

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1526-1DUP, FA1526-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54100

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1507-7DUP was used as the QC samples for Solids, Total Dissolved.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN54123

Sample(s) FA1566-3DUP was used as the QC sample for Solids, Percent.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54242

Sample(s) FA1466-3DUP was used as the QC sample for pH.

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: February 21, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1564
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/06/13 thru 02/07/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1564-1	**A-43 (14-15)**					
Aluminum [a]		16900	48	4.8	mg/kg	SW846 6010C
Arsenic [a]		9.2	2.4	0.39	mg/kg	SW846 6010C
Barium [a]		93.9	48	1.2	mg/kg	SW846 6010C
Beryllium [a]		0.49 J	1.2	0.12	mg/kg	SW846 6010C
Cadmium [a]		4.0	0.97	0.12	mg/kg	SW846 6010C
Calcium [a]		37100	1200	12	mg/kg	SW846 6010C
Chromium [a]		70.0	2.4	0.44	mg/kg	SW846 6010C
Iron [a]		28900	73	17	mg/kg	SW846 6010C
Lead [a]		2.7 J	4.8	0.27	mg/kg	SW846 6010C
Magnesium [a]		3480	1200	18	mg/kg	SW846 6010C
Manganese [a]		92.0	3.6	0.22	mg/kg	SW846 6010C
Nickel [a]		11.3	9.7	0.12	mg/kg	SW846 6010C
Potassium [a]		4020	2400	48	mg/kg	SW846 6010C
Sodium [a]		613 J	2400	120	mg/kg	SW846 6010C
Vanadium [a]		103	12	0.12	mg/kg	SW846 6010C
Fluoride		102	5.7	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		172	2.7	0.59	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		376	12	4.8	mg/kg	EPA 351.2 M
Phosphorus, Total		16800	5800	890	mg/kg	EPA 365.3M
Sulfate		19800	570	170	mg/kg	EPA 300/SW846 9056A
pH		5.43			su	SW846 9045D
FA1564-2	**A-44-75**					
Aluminum [b]		20200	110	11	mg/kg	SW846 6010C
Arsenic [b]		2.9 J	5.4	0.86	mg/kg	SW846 6010C
Barium [b]		221	110	2.7	mg/kg	SW846 6010C
Beryllium [b]		0.69 J	2.7	0.27	mg/kg	SW846 6010C
Cadmium [b]		10.8	2.2	0.27	mg/kg	SW846 6010C
Calcium [b]		49300	2700	27	mg/kg	SW846 6010C
Chromium [b]		96.6	5.4	0.97	mg/kg	SW846 6010C
Iron [b]		36000	160	38	mg/kg	SW846 6010C
Magnesium [b]		14300	2700	41	mg/kg	SW846 6010C
Manganese [b]		529	8.1	0.49	mg/kg	SW846 6010C
Nickel [b]		32.6	22	0.27	mg/kg	SW846 6010C
Potassium [b]		4340 J	5400	110	mg/kg	SW846 6010C
Selenium [b]		2.8 J	11	1.6	mg/kg	SW846 6010C
Sodium [b]		4150 J	5400	270	mg/kg	SW846 6010C
Vanadium [b]		227	27	0.27	mg/kg	SW846 6010C
Fluoride		34.2	5.5	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		9.2	1.3	0.28	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		9.0	5.5	2.8	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		122	11	4.3	mg/kg	EPA 351.2 M

Summary of Hits

Job Number: FA1564
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/06/13 thru 02/07/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Phosphorus, Total		16000	5500	850	mg/kg	EPA 365.3M
Sulfate		4030	110	33	mg/kg	EPA 300/SW846 9056A
pH		6.09			su	SW846 9045D
FA1564-3	**A-44 (0-1)**					
Aluminum [b]		10100	110	11	mg/kg	SW846 6010C
Arsenic [b]		4.9 J	5.4	0.86	mg/kg	SW846 6010C
Barium [b]		93.0 J	110	2.7	mg/kg	SW846 6010C
Beryllium [b]		0.74 J	2.7	0.27	mg/kg	SW846 6010C
Cadmium [b]		19.3	2.2	0.27	mg/kg	SW846 6010C
Calcium [b]		140000	2700	27	mg/kg	SW846 6010C
Chromium [b]		118	5.4	0.97	mg/kg	SW846 6010C
Iron [b]		6680	160	38	mg/kg	SW846 6010C
Lead [a]		24.1	5.4	0.30	mg/kg	SW846 6010C
Magnesium [b]		4430	2700	41	mg/kg	SW846 6010C
Manganese [b]		932	8.1	0.48	mg/kg	SW846 6010C
Nickel [b]		13.8 J	22	0.27	mg/kg	SW846 6010C
Potassium [b]		4120 J	5400	110	mg/kg	SW846 6010C
Selenium [b]		2.3 J	11	1.6	mg/kg	SW846 6010C
Sodium [b]		2340 J	5400	270	mg/kg	SW846 6010C
Vanadium [b]		170	27	0.27	mg/kg	SW846 6010C
Fluoride		70.6	5.8	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		198	6.6	1.5	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		6.9	5.8	2.9	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		458	22	9.0	mg/kg	EPA 351.2 M
Phosphorus, Total		34200	14000	2200	mg/kg	EPA 365.3M
Sulfate		13200	580	170	mg/kg	EPA 300/SW846 9056A
pH		7.34			su	SW846 9045D
FA1564-4	**A-44 (1-2)**					
Aluminum [b]		17700	100	10	mg/kg	SW846 6010C
Arsenic [b]		3.5 J	5.1	0.81	mg/kg	SW846 6010C
Barium [b]		189	100	2.5	mg/kg	SW846 6010C
Beryllium [b]		0.88 J	2.5	0.25	mg/kg	SW846 6010C
Cadmium [b]		21.4	2.0	0.25	mg/kg	SW846 6010C
Calcium [b]		56000	2500	25	mg/kg	SW846 6010C
Chromium [b]		144	5.1	0.91	mg/kg	SW846 6010C
Iron [b]		27400	150	35	mg/kg	SW846 6010C
Lead [a]		4.2 J	5.1	0.28	mg/kg	SW846 6010C
Magnesium [b]		9510	2500	38	mg/kg	SW846 6010C
Manganese [b]		391	7.6	0.46	mg/kg	SW846 6010C
Nickel [b]		27.0	20	0.25	mg/kg	SW846 6010C
Potassium [b]		4120 J	5100	100	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1564
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/06/13 thru 02/07/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Selenium [b]	3.0 J	10	1.5	mg/kg	SW846 6010C
Sodium [b]	3580 J	5100	250	mg/kg	SW846 6010C
Vanadium [b]	277	25	0.25	mg/kg	SW846 6010C
Fluoride	34.5	5.6	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	8.0	1.3	0.29	mg/kg	EPA 350.1 M
Nitrogen, Nitrate	9.0	5.6	2.8	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	144	12	4.7	mg/kg	EPA 351.2 M
Phosphorus, Total	25200	5600	860	mg/kg	EPA 365.3M
Sulfate	3990	110	34	mg/kg	EPA 300/SW846 9056A
pH	6.25			su	SW846 9045D
FA1564-5 A-44 (4-5)					
Aluminum [a]	11900	49	4.9	mg/kg	SW846 6010C
Arsenic [a]	4.3	2.5	0.39	mg/kg	SW846 6010C
Barium [a]	122	49	1.2	mg/kg	SW846 6010C
Beryllium [a]	0.64 J	1.2	0.12	mg/kg	SW846 6010C
Cadmium [a]	20.4	0.99	0.12	mg/kg	SW846 6010C
Calcium [a]	73200	1200	12	mg/kg	SW846 6010C
Chromium [a]	18.1	2.5	0.44	mg/kg	SW846 6010C
Iron [a]	10800	74	17	mg/kg	SW846 6010C
Lead [a]	7.8	4.9	0.27	mg/kg	SW846 6010C
Magnesium [a]	2480	1200	19	mg/kg	SW846 6010C
Manganese [a]	321	3.7	0.22	mg/kg	SW846 6010C
Nickel [a]	27.8	9.9	0.12	mg/kg	SW846 6010C
Potassium [a]	2460 J	2500	49	mg/kg	SW846 6010C
Sodium [a]	477 J	2500	120	mg/kg	SW846 6010C
Vanadium [a]	44.0	12	0.12	mg/kg	SW846 6010C
Fluoride [c]	6.1 J	6.2	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	103	1.5	0.32	mg/kg	EPA 350.1 M
Nitrogen, Nitrate	6.2	6.2	3.1	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	728	24	9.5	mg/kg	EPA 351.2 M
Phosphorus, Total	35400	14000	2100	mg/kg	EPA 365.3M
Sulfate	1140	120	37	mg/kg	EPA 300/SW846 9056A
pH	5.22			su	SW846 9045D
FA1564-6 WATER-EB-2/6/13					
Calcium	172 J	1000	50	ug/l	SW846 6010C
Magnesium	84.4 J	5000	74	ug/l	SW846 6010C
Alkalinity, Total as CaCO3	1.2 J	5.0	0.60	mg/l	SM19 2320B
Fluoride	0.11 J	0.20	0.060	mg/l	EPA 300/SW846 9056A
Specific Conductivity [d]	2.9	1.0	1.0	umhos/cm	EPA 120.1
pH [e]	5.69			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA1564
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/06/13 thru 02/07/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1564-6F	**WATER-EB-2/6/13**					

No hits reported in this sample.

(a) Sample dilution required due to sample matrix.
(b) Elevated reporting limit(s) due to matrix interference.
(c) Dilution required due to matrix interference.
(d) Sample received outside the holding time.
(e) 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-43 (14-15)
Lab Sample ID: FA1564-1
Matrix: SO - Soil
Date Sampled: 02/06/13
Date Received: 02/08/13
Percent Solids: 86.7
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	16900	48	4.8	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.46 U	4.8	0.46	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	9.2	2.4	0.39	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	93.9	48	1.2	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.49 J	1.2	0.12	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	4.0	0.97	0.12	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	37100	1200	12	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	70.0	2.4	0.44	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	28900	73	17	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	2.7 J	4.8	0.27	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	3480	1200	18	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	92.0	3.6	0.22	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	11.3	9.7	0.12	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	4020	2400	48	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.73 U	4.8	0.73	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	613 J	2400	120	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.44 U	2.4	0.44	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	103	12	0.12	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10524
(2) Prep QC Batch: MP24586

(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-43 (14-15)		
Lab Sample ID:	FA1564-1	**Date Sampled:**	02/06/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	86.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	102	5.7	1.4	mg/kg	5	02/14/13 23:04	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	172	2.7	0.59	mg/kg	2	02/18/13 14:30	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	2.9 U	5.7	2.9	mg/kg	5	02/14/13 23:04	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	376	12	4.8	mg/kg	1	02/14/13 11:41	MG	EPA 351.2 M
Phosphorus, Total	16800	5800	890	mg/kg	100	02/15/13 11:00	LE	EPA 365.3M
Solids, Percent	86.7			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	19800	570	170	mg/kg	25	02/15/13 19:34	AA	EPA 300/SW846 9056A
pH	5.43			su	1	02/20/13 13:30	AA	SW846 9045D

(a) Dilution required 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-44-75
Lab Sample ID: FA1564-2
Matrix: SO - Soil
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Date Sampled: 02/07/13
Date Received: 02/08/13
Percent Solids: 90.8

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	20200	110	11	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	1.0 U	11	1.0	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	2.9 J	5.4	0.86	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	221	110	2.7	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.69 J	2.7	0.27	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	10.8	2.2	0.27	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	49300	2700	27	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	96.6	5.4	0.97	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	36000	160	38	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	0.30 U	5.4	0.30	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	14300	2700	41	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	529	8.1	0.49	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	32.6	22	0.27	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	4340 J	5400	110	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	2.8 J	11	1.6	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	4150 J	5400	270	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	0.97 U	5.4	0.97	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	227	27	0.27	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10524
(2) Instrument QC Batch: MA10528
(3) Prep QC Batch: MP24586

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-44-75		
Lab Sample ID:	FA1564-2	**Date Sampled:**	02/07/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	90.8
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	34.2	5.5	1.4	mg/kg	5	02/14/13 23:19	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	9.2	1.3	0.28	mg/kg	1	02/18/13 13:44	VK	EPA 350.1 M
Nitrogen, Nitrate	9.0	5.5	2.8	mg/kg	5	02/14/13 23:19	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	122	11	4.3	mg/kg	1	02/14/13 11:45	MG	EPA 351.2 M
Phosphorus, Total	16000	5500	850	mg/kg	100	02/15/13 11:00	LE	EPA 365.3M
Solids, Percent	90.8			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	4030	110	33	mg/kg	5	02/14/13 23:19	AA	EPA 300/SW846 9056A
pH	6.09			su	1	02/20/13 13:30	AA	SW846 9045D

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-44 (0-1)
Lab Sample ID: FA1564-3
Matrix: SO - Soil
Date Sampled: 02/07/13
Date Received: 02/08/13
Percent Solids: 86.8
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	10100	110	11	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	1.0 U	11	1.0	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	4.9 J	5.4	0.86	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	93.0 J	110	2.7	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.74 J	2.7	0.27	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	19.3	2.2	0.27	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	140000	2700	27	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	118	5.4	0.97	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	6680	160	38	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	24.1	5.4	0.30	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	4430	2700	41	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	932	8.1	0.48	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	13.8 J	22	0.27	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	4120 J	5400	110	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	2.3 J	11	1.6	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	2340 J	5400	270	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	0.97 U	5.4	0.97	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	170	27	0.27	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10524
(2) Instrument QC Batch: MA10528
(3) Prep QC Batch: MP24586

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-44 (0-1)		
Lab Sample ID:	FA1564-3	**Date Sampled:**	02/07/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	86.8
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	70.6	5.8	1.4	mg/kg	5	02/14/13 23:35	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	198	6.6	1.5	mg/kg	5	02/18/13 14:31	VK	EPA 350.1 M
Nitrogen, Nitrate	6.9	5.8	2.9	mg/kg	5	02/14/13 23:35	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	458	22	9.0	mg/kg	2	02/14/13 12:00	MG	EPA 351.2 M
Phosphorus, Total	34200	14000	2200	mg/kg	250	02/15/13 11:00	LE	EPA 365.3M
Solids, Percent	86.8			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	13200	580	170	mg/kg	25	02/15/13 19:50	AA	EPA 300/SW846 9056A
pH	7.34			su	1	02/20/13 13:30	AA	SW846 9045D

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-44 (1-2)
Lab Sample ID: FA1564-4
Matrix: SO - Soil
Date Sampled: 02/07/13
Date Received: 02/08/13
Percent Solids: 89.8
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	17700	100	10	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	0.96 U	10	0.96	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	3.5 J	5.1	0.81	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	189	100	2.5	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.88 J	2.5	0.25	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	21.4	2.0	0.25	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	56000	2500	25	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	144	5.1	0.91	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	27400	150	35	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	4.2 J	5.1	0.28	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	9510	2500	38	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	391	7.6	0.46	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	27.0	20	0.25	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	4120 J	5100	100	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	3.0 J	10	1.5	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	3580 J	5100	250	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	0.91 U	5.1	0.91	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	277	25	0.25	mg/kg	10	02/08/13	02/12/13	DM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10524
(2) Instrument QC Batch: MA10528
(3) Prep QC Batch: MP24586

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-44 (1-2)		
Lab Sample ID:	FA1564-4	**Date Sampled:**	02/07/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	89.8
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	34.5	5.6	1.4	mg/kg	5	02/14/13 23:51	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	8.0	1.3	0.29	mg/kg	1	02/18/13 13:46	VK	EPA 350.1 M
Nitrogen, Nitrate	9.0	5.6	2.8	mg/kg	5	02/14/13 23:51	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	144	12	4.7	mg/kg	1	02/14/13 11:47	MG	EPA 351.2 M
Phosphorus, Total	25200	5600	860	mg/kg	100	02/15/13 11:00	LE	EPA 365.3M
Solids, Percent	89.8			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	3990	110	34	mg/kg	5	02/14/13 23:51	AA	EPA 300/SW846 9056A
pH	6.25			su	1	02/20/13 13:30	AA	SW846 9045D

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-44 (4-5)
Lab Sample ID: FA1564-5
Matrix: SO - Soil
Date Sampled: 02/07/13
Date Received: 02/08/13
Percent Solids: 81.7
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	11900	49	4.9	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.47 U	4.9	0.47	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.3	2.5	0.39	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	122	49	1.2	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.64 J	1.2	0.12	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	20.4	0.99	0.12	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	73200	1200	12	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	18.1	2.5	0.44	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	10800	74	17	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	7.8	4.9	0.27	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	2480	1200	19	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	321	3.7	0.22	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	27.8	9.9	0.12	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	2460 J	2500	49	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.74 U	4.9	0.74	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	477 J	2500	120	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.44 U	2.5	0.44	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	44.0	12	0.12	mg/kg	5	02/08/13	02/11/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10524
(2) Prep QC Batch: MP24586

(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-44 (4-5)		
Lab Sample ID:	FA1564-5	**Date Sampled:**	02/07/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	81.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride [a]	6.1 J	6.2	1.5	mg/kg	5	02/15/13 00:07	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	103	1.5	0.32	mg/kg	1	02/18/13 14:13	VK	EPA 350.1 M
Nitrogen, Nitrate	6.2	6.2	3.1	mg/kg	5	02/15/13 00:07	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	728	24	9.5	mg/kg	2	02/14/13 12:01	MG	EPA 351.2 M
Phosphorus, Total	35400	14000	2100	mg/kg	250	02/15/13 11:00	LE	EPA 365.3M
Solids, Percent	81.7			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	1140	120	37	mg/kg	5	02/15/13 00:07	AA	EPA 300/SW846 9056A
pH	5.22			su	1	02/20/13 13:30	AA	SW846 9045D

(a) Dilution required 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:	WATER-EB-2/6/13		
Lab Sample ID:	FA1564-6	**Date Sampled:**	02/06/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/08/13
		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	15 U	200	15	ug/l	1	02/11/13	02/13/13	LM	SW846 6010C [2]	SW846 3010A [3]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	2.5 U	10	2.5	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [3]
Calcium	172 J	1000	50	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [3]
Chromium	2.0 U	10	2.0	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [3]
Iron	29 U	300	29	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	84.4 J	5000	74	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [3]
Potassium	200 U	10000	200	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [3]
Selenium	2.0 U	10	2.0	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [3]
Sodium	500 U	10000	500	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA10528
(2) Instrument QC Batch: MA10530
(3) Prep QC Batch: MP24591

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:	WATER-EB-2/6/13		
Lab Sample ID:	FA1564-6	**Date Sampled:**	02/06/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/08/13
		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	02/19/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/19/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	1.2 J	5.0	0.60	mg/l	1	02/14/13 08:15	AC	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	02/11/13 11:00	AA	EPA 300/SW846 9056A
Fluoride	0.11 J	0.20	0.060	mg/l	1	02/11/13 11:00	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	0.050 U	0.10	0.050	mg/l	1	02/11/13 11:00	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/14/13 10:51	LE	EPA 365.3
Solids, Total Dissolved	10 U	100	10	mg/l	1	02/12/13 13:57	MG	SM19 2540C
Specific Conductivity [b]	2.9	1.0	1.0	umhos/cm	1	02/08/13 14:20	LE	EPA 120.1
Sulfate	0.60 U	2.0	0.60	mg/l	1	02/11/13 11:00	AA	EPA 300/SW846 9056A
pH [c]	5.69			su	1	02/08/13 15:00	LE	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:	WATER-EB-2/6/13		
Lab Sample ID:	FA1564-6F	**Date Sampled:**	02/06/13
Matrix:	AQ - Equip Blank Filtered	**Date Received:**	02/08/13
		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	0.020 U	0.10	0.020	mg/l	1	02/08/13 14:30	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

CHAIN OF CUSTODY RECORD

FA1564

Page 1 of 1

Nº 04244

Project Number: 36785-01

Site and Location: AGRIUM SODA SPRINGS ID

Contact Name: TIM. HUFF @ WSP GROUP. COM

Contact Email:

Sampler's Name: STEVEN DAWSON

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	METALS *	FLUORIDE, NITRATE, SULFATE	pH	TOTAL PHOSPHORUS	TKN, AMMONIA	TDS	CHLORIDE, FLUORIDE, NITRATE, SULFATE	BICARBONATE, CARBONATE, ALKALINITY AS CaCO3	SPECIFIC CONDUCTANCE	Remarks
1	A-43 (14-15)	14'-15'	2/6/13	1400	S	1	X	X	X	X	X					*Al, Antimony, Arsenic, Barium,
2	A-44-75		2/7/13	1200	S	1	X	X	X	X	X					Beryllium, Cadmium, Calcium, Cr,
3	A-44 (0-1)	0-1'	2/7/13	1140	S	1	X	X	X	X	X					Fe, Pb, Mg, Manganese, Ni, K
4	A-44 (1-2)	1'-2'	2/7/13	1141	S	1	X	X	X	X	X					Selenium, Thallium, Vanadium
5	A-44 (4-5)	4'-5'	2/7/13	1142	S	1	X	X	X	X	X					Na
	~~A-44 (9-10)~~	~~9'-10'~~	~~2/7/13~~	~~1143~~	~~S~~	~~1~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					EB
6	WATER-EB-2/6/13		2/6/13	1600	S		X		X	X		X	X	X	X	METALS LIST FOR WATER-EB-
																2/6/13: Aluminum, Antimony,
																Arsenic, Cadmium, Calcium, Cr,
																Fe, Mg, K, Selenium, Na

Relinquished by (Signature):	Date / Time	Received by (Signature): FO	Laboratory Name: ACCUTEST
Relinquished by (Signature): FO 0208-13	Date / Time 9:30	Received by (Signature): HCSE	Laboratory Location: ORLANDO FL
Turn-Around Time: STD		Tracking Number:	Custody Seal Numbers: 01671
			Method of Shipment: FEDEX

WSP
WSP Environment & Energy

2.4

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA1564: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1564 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 02-08-13 930 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8013 5708 4097

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: 2.0
- [ ] 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)
- [x] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [x] 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: Sample #6 Matrix is (W) Not (SO). Received 1 250mL UV Bottle For OP04 Not on COC. Coc Calls For S-COD NO Bottle Received Sample Would have been out of Hold time

TECHNICIAN SIGNATURE/DATE R Miller 02-08-13 REVIEWER SIGNATURE/DATE [signature] 02/08/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA1564: Chain of Custody
Page 2 of 2

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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10524
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	07:58	MA10524-STD1	1		STDA
	08:02	MA10524-STD2	1		STDB
	08:06	MA10524-STD3	1		STDC
	08:10	MA10524-STD4	1		STDD
	08:15	MA10524-HSTD1	1		
	08:21	MA10524-ICV1	1		
	08:30	MA10524-ICB1	1		
	08:35	MA10524-CRIA1	1		
	08:44	MA10524-ICSA1	1		
	08:53	MA10524-ICSAB1	1		
	08:57	MA10524-CCV1	1		
	09:07	MA10524-CCB1	1		
	09:12	MP24586-MB1	1		
	09:16	MP24586-B1	1		
	09:20	FA1564-1	5		
	09:24	MP24586-D1	5		
	09:28	MP24586-SD1	25		
	09:33	MP24586-PS1	5		
	09:37	MP24586-S1	5		
	09:41	MP24586-S2	5		
	09:54	MA10524-CCV2	1		
	09:59	MA10524-CCB2	1		
	10:03	FA1564-2	5		
	10:07	FA1564-3	5		
	10:11	FA1564-4	5		
	10:16	FA1564-5	5		
---------->	Last reportable sample/prep for job FA1564				
	10:20	ZZZZZZ	1		
	10:24	ZZZZZZ	1		
	10:28	ZZZZZZ	1		
	10:32	ZZZZZZ	1		
	10:36	ZZZZZZ	10		
	10:40	ZZZZZZ	5		
	10:45	MA10524-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10524
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:49	MA10524-CCB3	1		
10:53	MA10524-CCV4	1		
10:57	MA10524-CCB4	1		
12:08	MA10524-CCV5	1		
12:18	MA10524-CCB5	1		
12:24	MP24589-MB1	1		
12:28	MP24589-B1	1		
12:32	FA1511-1A	1		(sample used for QC only; not part of login FA1564)
12:36	MP24589-D1	1		
12:41	MP24589-SD1	5		
12:45	MP24589-S1	1		
12:49	MP24589-S2	1		
12:53	MP24589-D2	1		
12:57	MP24589-MB2	1		
13:01	MP24589-B2	1		
13:05	MA10524-CCV6	1		
13:09	MA10524-CCB6	1		
13:14	MA10524-CRIA2	1		
13:18	MA10524-ICSA2	1		
13:22	MA10524-ICSAB2	1		
13:26	MA10524-CCV7	1		
13:30	MA10524-CCB7	1		

----------> Last reportable CCB for job FA1564
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10524
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:58	MA10524-STD1	7860	46321	5312	3292
08:02	MA10524-STD2	7694	45540	5309	3038
08:06	MA10524-STD3	7435	43739	5241	2758
08:10	MA10524-STD4	7243	42775	5199	2519
08:15	MA10524-HSTD1	7202	42754	5198	2520
08:21	MA10524-ICV1	7419	43282	5185	2717
08:30	MA10524-ICB1	7789 R	45906 R	5266 R	3268 R
08:35	MA10524-CRIA1	7692	45372	5319	3106
08:44	MA10524-ICSA1	6871	39567	5054	2444
08:53	MA10524-ICSAB1	6886	39469	5025	2393
08:57	MA10524-CCV1	7504	43885	5177	2726
09:07	MA10524-CCB1	7736	45818	5203	3255
09:12	MP24586-MB1	7907	46552	5270	3233
09:16	MP24586-B1	7521	44148	5153	2854
09:20	FA1564-1	8345	49201	5842	2836
09:24	MP24586-D1	8077	47110	5593	2862
09:28	MP24586-SD1	8004	46750	5397	3111
09:33	MP24586-PS1	8330	49020	5835	2855
09:37	MP24586-S1	8211	47762	5692	2792
09:41	MP24586-S2	8503	48962	5865	2772
09:54	MA10524-CCV2	7507	44175	5198	2759
09:59	MA10524-CCB2	7903	47098	5255	3316
10:03	FA1564-2	10243 !	60484 !	7142 !	2792
10:07	FA1564-3	12612 !	73998 !	9028 !	2663
10:11	FA1564-4	11889 !	69007 !	8343 !	2741
10:16	FA1564-5	8451	49056	5861	2836
10:20	ZZZZZZ	8456	50463	5824	3073
10:24	ZZZZZZ	8215	49214	5594	3192
10:28	ZZZZZZ	8830	52092	5991	3093
10:32	ZZZZZZ	8728	50772	6169	2584
10:36	ZZZZZZ	9043	54081	6179	3046
10:40	ZZZZZZ	7242	42789	5160	2705
10:45	MA10524-CCV3	7505	43646	5131	2770

INTERNAL STANDARD SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10524
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:49	MA10524-CCB3	7877	47265	5319	3363
10:53	MA10524-CCV4	7453	44316	5203	2788
10:57	MA10524-CCB4	7957	47238	5329	3371
12:08	MA10524-CCV5	7328	43254	5093	2724
12:18	MA10524-CCB5	7841	46322	5241	3306
12:24	MP24589-MB1	7864	46995	5260	3329
12:28	MP24589-B1	7561	45150	5300	2976
12:32	FA1511-1A	7377	42847	5192	2886
12:36	MP24589-D1	7622	44951	5563	2936
12:41	MP24589-SD1	7996	47682	5756	3198
12:45	MP24589-S1	7576	45577	5769	2831
12:49	MP24589-S2	7540	45594	5718	2827
12:53	MP24589-D2	7615	45384	5740	2946
12:57	MP24589-MB2	7810	45955	5734	3032
13:01	MP24589-B2	7748	46010	5608	2869
13:05	MA10524-CCV6	7495	45089	5354	2816
13:09	MA10524-CCB6	7994	48087	5536	3427
13:14	MA10524-CRIA2	7979	47248	5490	3258
13:18	MA10524-ICSA2	7125	41103	5253	2536
13:22	MA10524-ICSAB2	7108	41283	5338	2523
13:26	MA10524-CCV7	7607	45836	5476	2892
13:30	MA10524-CCB7	7933	48020	5420	3405

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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10524 Units: ug/l

Time:			08:30		09:07		09:59		10:49	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.6	<200	1.3	<200	-1.6	<200	-3.7	<200
Antimony	20	1.3	-0.10	<20	-0.30	<20	-1.1	<20	-1.1	<20
Arsenic	10	1.6	-0.10	<10	-0.50	<10	-0.40	<10	-0.20	<10
Barium	200	1	0.30	<200	0.20	<200	0.20	<200	0.20	<200
Beryllium	5.0	.5	0.0	<5.0	-0.10	<5.0	0.0	<5.0	0.0	<5.0
Cadmium	4.0	.5	0.0	<4.0	0.20	<4.0	0.20	<4.0	0.10	<4.0
Calcium	5000	50	5.0	<5000	6.4	<5000	7.6	<5000	5.8	<5000
Chromium	10	1.8	0.30	<10	0.30	<10	0.0	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	4.9	<300	1.9	<300	1.3	<300	4.4	<300
Lead	20	1.1	-0.30	<20	0.30	<20	0.0	<20	-0.80	<20
Magnesium	5000	74	2.0	<5000	0.60	<5000	10.0	<5000	22.0	<5000
Manganese	15	.7	0.20	<15	0.10	<15	0.20	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	0.20	<40	0.30	<40	0.10	<40
Potassium	10000	200	21.1	<10000	-4.1	<10000	61.2	<10000	-22	<10000
Selenium	20	2	-0.10	<20	0.20	<20	1.8	<20	0.70	<20
Silver	10	.5	anr							
Sodium	10000	500	11.0	<10000	22.9	<10000	72.7	<10000	58.1	<10000
Strontium	10	.5								
Thallium	10	1.3	0.70	<10	0.60	<10	0.80	<10	0.10	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	-0.10	<50	0.0	<50	0.0	<50
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10524 Units: ug/l

Time:			10:57		12:18		13:09		13:30	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-11	<200	-1.2	<200	1.2	<200	3.5	<200
Antimony	20	1.3	-0.30	<20	-1.4	<20	-0.70	<20	-0.50	<20
Arsenic	10	1.6	0.30	<10	-0.50	<10	0.10	<10	-0.30	<10
Barium	200	1	-0.10	<200	0.20	<200	0.10	<200	0.40	<200
Beryllium	5.0	.5	0.10	<5.0	0.10	<5.0	0.30	<5.0	0.40	<5.0
Cadmium	4.0	.5	0.20	<4.0	0.10	<4.0	0.20	<4.0	0.20	<4.0
Calcium	5000	50	4.1	<5000	6.6	<5000	9.6	<5000	16.3	<5000
Chromium	10	1.8	0.40	<10	0.30	<10	0.50	<10	0.90	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	-0.10	<300	3.7	<300	10.0	<300	14.8	<300
Lead	20	1.1	-0.40	<20	-0.10	<20	-1.2	<20	-1.1	<20
Magnesium	5000	74	7.6	<5000	8.4	<5000	7.0	<5000	25.2	<5000
Manganese	15	.7	0.10	<15	0.30	<15	0.40	<15	0.50	<15
Molybdenum	50	.6								
Nickel	40	.5	0.30	<40	0.30	<40	0.40	<40	0.50	<40
Potassium	10000	200	15.2	<10000	7.1	<10000	45.9	<10000	36.2	<10000
Selenium	20	2	0.90	<20	-0.30	<20	1.5	<20	1.6	<20
Silver	10	.5	anr							
Sodium	10000	500	59.1	<10000	30.3	<10000	150	<10000	81.7	<10000
Strontium	10	.5								
Thallium	10	1.3	0.60	<10	0.40	<10	0.80	<10	1.0	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.0	<50	0.10	<50	0.20	<50	0.30	<50
Zinc	20	3								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10524 Units: ug/l

Time:		08:21			08:57			09:54	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40600	101.5	40000	40100	100.3
Antimony	2000	1990	99.5	2000	1960	98.0	2000	1990	99.5
Arsenic	2000	1960	98.0	2000	1970	98.5	2000	1990	99.5
Barium	2000	2080	104.0	2000	2010	100.5	2000	2030	101.5
Beryllium	2000	2030	101.5	2000	1970	98.5	2000	1990	99.5
Cadmium	2000	2010	100.5	2000	2030	101.5	2000	2020	101.0
Calcium	40000	42600	106.5	40000	40800	102.0	40000	40000	100.0
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2020	101.0
Cobalt									
Copper									
Iron	40000	42000	105.0	40000	40000	100.0	40000	40500	101.3
Lead	2000	1960	98.0	2000	2010	100.5	2000	1970	98.5
Magnesium	40000	41600	104.0	40000	40000	100.0	40000	39600	99.0
Manganese	2000	2040	102.0	2000	1990	99.5	2000	2030	101.5
Molybdenum									
Nickel	2000	2020	101.0	2000	1980	99.0	2000	2000	100.0
Potassium	40000	42000	105.0	40000	39900	99.8	40000	40500	101.3
Selenium	2000	2030	101.5	2000	1970	98.5	2000	1980	99.0
Silver	anr								
Sodium	40000	38600	96.5	40000	40800	102.0	40000	40400	101.0
Strontium									
Thallium	2000	2080	104.0	2000	2050	102.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	2000	100.0	2000	1940	97.0	2000	1950	97.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10524 Units: ug/l

Time:		10:45			10:53			12:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	40400	101.0	40000	42200	105.5
Antimony	2000	2020	101.0	2000	2050	102.5	2000	2100	105.0
Arsenic	2000	2010	100.5	2000	2040	102.0	2000	2090	104.5
Barium	2000	2060	103.0	2000	2030	101.5	2000	2110	105.5
Beryllium	2000	1970	98.5	2000	2010	100.5	2000	2050	102.5
Cadmium	2000	2050	102.5	2000	2050	102.5	2000	2120	106.0
Calcium	40000	40300	100.8	40000	40200	100.5	40000	42000	105.0
Chromium	2000	2060	103.0	2000	2030	101.5	2000	2110	105.5
Cobalt									
Copper									
Iron	40000	40600	101.5	40000	41000	102.5	40000	41900	104.8
Lead	2000	1990	99.5	2000	1960	98.0	2000	2040	102.0
Magnesium	40000	39600	99.0	40000	39900	99.8	40000	41200	103.0
Manganese	2000	2070	103.5	2000	2020	101.0	2000	2090	104.5
Molybdenum									
Nickel	2000	2020	101.0	2000	2060	103.0	2000	2110	105.5
Potassium	40000	40600	101.5	40000	41100	102.8	40000	42100	105.3
Selenium	2000	2010	100.5	2000	2050	102.5	2000	2100	105.0
Silver	anr								
Sodium	40000	40900	102.3	40000	40500	101.3	40000	42300	105.8
Strontium									
Thallium	2000	2020	101.0	2000	1970	98.5	2000	2060	103.0
Tin									
Titanium									
Vanadium	2000	1980	99.0	2000	1960	98.0	2000	2030	101.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10524 Units: ug/l

Time:		13:05			13:26	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	39900	99.8
Antimony	2000	2130	106.5	2000	2090	104.5
Arsenic	2000	2110	105.5	2000	2070	103.5
Barium	2000	2100	105.0	2000	2050	102.5
Beryllium	2000	2040	102.0	2000	2000	100.0
Cadmium	2000	2090	104.5	2000	2030	101.5
Calcium	40000	41000	102.5	40000	39500	98.8
Chromium	2000	2050	102.5	2000	2000	100.0
Cobalt						
Copper						
Iron	40000	41700	104.3	40000	40700	101.8
Lead	2000	1980	99.0	2000	1900	95.0
Magnesium	40000	40200	100.5	40000	38900	97.3
Manganese	2000	2060	103.0	2000	2020	101.0
Molybdenum						
Nickel	2000	2120	106.0	2000	2080	104.0
Potassium	40000	41900	104.8	40000	41000	102.5
Selenium	2000	2120	106.0	2000	2080	104.0
Silver	anr					
Sodium	40000	41500	103.8	40000	40200	100.5
Strontium						
Thallium	2000	1990	99.5	2000	1910	95.5
Tin						
Titanium						
Vanadium	2000	2000	100.0	2000	1950	97.5
Zinc						

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10524 Units: ug/l

Time:		08:15	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80300	100.4
Antimony	4000	4020	100.5
Arsenic	4000	4040	101.0
Barium	4000	3980	99.5
Beryllium	4000	3980	99.5
Cadmium	4000	3990	99.8
Calcium	80000	80100	100.1
Chromium	4000	3980	99.5
Cobalt			
Copper			
Iron	80000	79100	98.9
Lead	4000	4070	101.8
Magnesium	80000	79800	99.8
Manganese	4000	3930	98.3
Molybdenum			
Nickel	4000	3990	99.8
Potassium	80000	81200	101.5
Selenium	4000	4020	100.5
Silver	anr		
Sodium	80000	80400	100.5
Strontium			
Thallium	4000	4020	100.5
Tin			
Titanium			
Vanadium	4000	4030	100.8
Zinc			

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10524 Units: ug/l

Time:			08:35		13:14	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	212	106.0	201	100.5
Antimony	10	5.0	5.0	100.0	5.6	112.0
Arsenic	20	10	10.2	102.0	10.8	108.0
Barium	400	200	206	103.0	210	105.0
Beryllium	10	5.0	5.1	102.0	4.9	98.0
Cadmium	10	5.0	5.3	106.0	5.2	104.0
Calcium	2000	1000	1070	107.0	1030	103.0
Chromium	20	10	11.0	110.0	10.9	109.0
Cobalt	100	50				
Copper	50	25				
Iron	600	300	321	107.0	309	103.0
Lead	10	5.0	5.2	104.0	4.1	82.0
Magnesium	10000	5000	5210	104.2	5030	100.6
Manganese	30	15	16.3	108.7	16.5	110.0
Molybdenum	100	50				
Nickel	80	40	43.0	107.5	42.9	107.3
Potassium	20000	10000	10100	101.0	10000	100.0
Selenium	20	10	10.8	108.0	11.6	116.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10400	104.0
Strontium	20	10				
Thallium	20	10	9.8	98.0	10.2	102.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	51.9	103.8	51.9	103.8
Zinc	40	20				

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

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

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021113M1.ICP Date Analyzed: 02/11/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10524 Units: ug/l

Time:			08:44		08:53		13:18		13:22	
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	502000	100.4	500000	100.0	493000	98.6
Antimony		1000	-0.80		991	99.1	-0.60		1030	103.0
Arsenic		1000	0.0		998	99.8	0.10		1030	103.0
Barium		500	-0.30		475	95.0	-0.50		483	96.6
Beryllium		500	-0.20		453	90.6	-0.20		445	89.0
Cadmium		1000	-0.10		867	86.7	0.30		869	86.9
Calcium	500000	500000	488000	97.6	480000	96.0	474000	94.8	464000	92.8
Chromium		500	-0.10		447	89.4	0.10		443	88.6
Cobalt		500	0.30		428	85.6	0.20		431	86.2
Copper		500	0.0		473	94.6	0.10		480	96.0
Iron	200000	200000	189000	94.5	182000	91.0	185000	92.5	179000	89.5
Lead		1000	0.20		869	86.9	-3.5		844	84.4
Magnesium	500000	500000	480000	96.0	474000	94.8	458000	91.6	457000	91.4
Manganese		500	-0.40		453	90.6	-0.30		455	91.0
Molybdenum		1000	-0.10		947	94.7	-0.10		986	98.6
Nickel		1000	-0.70		837	83.7	-0.80		857	85.7
Potassium			34.0		57.8		125		52.3	
Selenium		1000	0.0		969	96.9	1.1		1010	101.0
Silver		1000	0.0		901	90.1	0.0		907	90.7
Sodium			117		151		621		338	
Strontium		1000	4.2		1060	106.0	4.3		1070	107.0
Thallium		1000	0.0		969	96.9	0.20		936	93.6
Tin		1000	-0.60		910	91.0	-0.30		916	91.6
Titanium		1000	-1.9		1010	101.0	-2.3		1030	103.0
Vanadium		500	-0.20		456	91.2	0.0		458	91.6
Zinc		1000	-1.3		844	84.4	-1.4		864	86.4

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:23	MA10528-STD1	1		STDA
07:26	MA10528-STD2	1		STDB
07:30	MA10528-STD3	1		STDC
07:33	MA10528-STD4	1		STDD
07:37	MA10528-HSTD1	1		
07:41	MA10528-ICV1	1		
07:47	MA10528-ICB1	1		
07:51	MA10528-CRIA1	1		
08:00	MA10528-ICSA1	1		
08:07	MA10528-ICSAB1	1		
08:12	MA10528-CCV1	1		
08:18	MA10528-CCB1	1		
08:23	FA1564-2	10		
08:27	FA1564-3	10		
08:31	FA1564-4	10		
08:36	ZZZZZZ	2		
08:40	MP24591-MB1	1		
08:45	MP24591-B1	1		
08:49	FA1589-1	1		(sample used for QC only; not part of login FA1564)
08:54	MP24591-D1	1		
08:58	MP24591-SD1	5		
09:03	MP24591-PS1	1		
09:07	MA10528-CCV2	1		
09:11	MA10528-CCB2	1		
09:30	MA10528-CCV3	1		
09:35	MA10528-CCB3	1		
09:39	MP24591-S1	1		
09:43	MP24591-S2	1		
09:47	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	ZZZZZZ	1		
10:01	ZZZZZZ	1		
10:05	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	10:10	ZZZZZZ	1		
	10:14	ZZZZZZ	1		
	10:19	ZZZZZZ	1		
	10:23	MA10528-CCV4	1		
	10:27	MA10528-CCB4	1		
	10:32	ZZZZZZ	1		
	10:37	ZZZZZZ	1		
	10:41	ZZZZZZ	1		
	10:45	ZZZZZZ	1		
	10:50	ZZZZZZ	1		
	10:54	ZZZZZZ	1		
	10:59	ZZZZZZ	1		
	11:04	ZZZZZZ	1		
	11:08	ZZZZZZ	1		
	11:13	FA1564-6	1		
---------->	Last reportable sample/prep for job FA1564				
	11:32	MA10528-CCV5	1		
	11:36	MA10528-CCB5	1		
	11:54	MA10528-CCV6	1		
	11:58	MA10528-CCB6	1		
	12:02	ZZZZZZ	1		
	12:06	MP24594-MB1	1		
	12:11	MP24594-B1	1		
	12:15	FA1567-2	1		(sample used for QC only; not part of login FA1564)
	12:20	MP24594-D1	1		
	12:25	MP24594-SD1	5		
	12:29	MP24594-S1	1		
	12:34	MP24594-S2	1		
	12:38	ZZZZZZ	1		
	12:42	ZZZZZZ	1		
	12:47	MA10528-CCV7	1		
	12:51	MA10528-CCB7	1		
	12:56	ZZZZZZ	1		
	13:00	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:05	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:19	MP24594-MB2	1		
13:24	MP24594-B2	1		
13:28	MP24594-MB3	1		
13:33	MP24594-B3	1		
13:37	MP24600-MB1	1		
13:42	MA10528-CCV8	1		
13:46	MA10528-CCB8	1		
13:51	MP24600-B1	1		
13:55	FA1605-1	1		(sample used for QC only; not part of login FA1564)
13:59	MP24600-D1	1		
14:04	MP24600-SD1	5		
14:08	MP24600-PS1	1		
14:13	MP24600-S1	1		
14:17	MP24600-S2	1		
14:21	ZZZZZZ	1		
14:26	ZZZZZZ	2		
14:31	ZZZZZZ	1		
14:35	MA10528-CCV9	1		
14:39	MA10528-CCB9	1		
14:44	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:53	MA10528-CRIA2	1		
14:58	MA10528-ICSA2	1		
15:03	MA10528-ICSAB2	1		
15:07	MA10528-CCV10	1		
15:11	MA10528-CCB10	1		

----------> Last reportable CCB for job FA1564
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:23	MA10528-STD1	1934	18135	6161	1225
07:26	MA10528-STD2	1894	17534	6087	1135
07:30	MA10528-STD3	1822	16780	5904	1021
07:33	MA10528-STD4	1738	16113	5767	929
07:37	MA10528-HSTD1	1740	16097	5822	921
07:41	MA10528-ICV1	1803	16585	5914	1003
07:47	MA10528-ICB1	1921 R	17530 R	5897 R	1216 R
07:51	MA10528-CRIA1	1882	17074	5880	1149
08:00	MA10528-ICSA1	1653	14324	5462	867
08:07	MA10528-ICSAB1	1646	14428	5504	849
08:12	MA10528-CCV1	1825	16121	5724	1006
08:18	MA10528-CCB1	1926	17265	5836	1206
08:23	FA1564-2	2162	19287	6871	1027
08:27	FA1564-3	2356	21409	7824 !	963
08:31	FA1564-4	2200	20674	7494 !	997
08:36	ZZZZZZ	1839	16907	6339	937
08:40	MP24591-MB1	1825	17326	6117	1178
08:45	MP24591-B1	1747	16346	5964	1032
08:49	FA1589-1	1748	16704	6081	1101
08:54	MP24591-D1	1755	16789	6110	1103
08:58	MP24591-SD1	1824	17162	6089	1159
09:03	MP24591-PS1	1745	16582	6029	1070
09:07	MA10528-CCV2	1727	16076	5921	975
09:11	MA10528-CCB2	1844	17247	6090	1177
09:30	MA10528-CCV3	1727	16020	5925	969
09:35	MA10528-CCB3	1854	17189	5993	1184
09:39	MP24591-S1	1725	16055	5924	1006
09:43	MP24591-S2	1740	16308	6014	1007
09:47	ZZZZZZ	1741	16456	5984	1061
09:52	ZZZZZZ	1791	16935	6047	1125
09:56	ZZZZZZ	1622	15126	5839	943
10:01	ZZZZZZ	1604	15214	5964	986
10:05	ZZZZZZ	1618	15009	5813	943

INTERNAL STANDARD SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:10	ZZZZZZ	1596	15153	5873	970
10:14	ZZZZZZ	1691	16153	5931	1031
10:19	ZZZZZZ	1724	16291	6001	1055
10:23	MA10528-CCV4	1704	15872	5878	969
10:27	MA10528-CCB4	1825	17192	6069	1176
10:32	ZZZZZZ	1717	16246	5920	1047
10:37	ZZZZZZ	1720	16244	5915	1060
10:41	ZZZZZZ	1697	16108	5956	1025
10:45	ZZZZZZ	1780	16922	6058	1123
10:50	ZZZZZZ	1803	17070	6100	1135
10:54	ZZZZZZ	1779	16860	6042	1128
10:59	ZZZZZZ	1763	16875	6040	1088
11:04	ZZZZZZ	1793	17166	6128	1130
11:08	ZZZZZZ	1465	15749	5898	1061
11:13	FA1564-6	1592	16735	6214	1108
11:32	MA10528-CCV5	1809	16461	5946	994
11:36	MA10528-CCB5	1912	17487	5958	1197
11:54	MA10528-CCV6	1779	16316	5837	983
11:58	MA10528-CCB6	1888	17384	5903	1191
12:02	ZZZZZZ	1882	17634	5984	1197
12:06	MP24594-MB1	1874	17660	5942	1190
12:11	MP24594-B1	1807	16680	5941	1042
12:15	FA1567-2	1732	16076	5886	1006
12:20	MP24594-D1	1710	16009	5917	999
12:25	MP24594-SD1	1805	16993	5937	1111
12:29	MP24594-S1	1672	15948	5935	943
12:34	MP24594-S2	1678	15955	5943	945
12:38	ZZZZZZ	1823	16836	6085	948
12:42	ZZZZZZ	1652	15710	5823	971
12:47	MA10528-CCV7	1732	16259	5852	981
12:51	MA10528-CCB7	1832	17574	6056	1175
12:56	ZZZZZZ	1658	15756	5843	967
13:00	ZZZZZZ	1659	15858	5851	970

INTERNAL STANDARD SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:05	ZZZZZZ	1678	16036	5881	996
13:10	ZZZZZZ	1656	16043	5983	972
13:15	ZZZZZZ	1639	15769	5926	966
13:19	MP24594-MB2	1663	15978	5923	999
13:24	MP24594-B2	1650	16001	5886	947
13:28	MP24594-MB3	1781	17669	6106	1165
13:33	MP24594-B3	1725	16624	5969	1019
13:37	MP24600-MB1	1808	17313	6086	1175
13:42	MA10528-CCV8	1699	16417	5845	969
13:46	MA10528-CCB8	1802	17599	5968	1174
13:51	MP24600-B1	1719	16549	5850	1020
13:55	FA1605-1	1666	16165	5848	997
13:59	MP24600-D1	1672	16246	5845	1003
14:04	MP24600-SD1	1758	16969	5909	1103
14:08	MP24600-PS1	1664	16142	5769	982
14:13	MP24600-S1	1654	15558	5821	935
14:17	MP24600-S2	1654	16010	5852	945
14:21	ZZZZZZ	1586	16808	5961	1071
14:26	ZZZZZZ	1104	16428	5864	1061
14:31	ZZZZZZ	1531	16815	5955	1068
14:35	MA10528-CCV9	1696	16379	5927	965
14:39	MA10528-CCB9	1826	17499	5930	1183
14:44	ZZZZZZ	1293	16652	5938	1052
14:49	ZZZZZZ	1569	16373	5863	1028
14:53	MA10528-CRIA2	1760	16978	5891	1105
14:58	MA10528-ICSA2	1540	14404	5494	830
15:03	MA10528-ICSAB2	1537	14289	5440	820
15:07	MA10528-CCV10	1699	16321	5805	965
15:11	MA10528-CCB10	1800	17415	5817	1168

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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10528 Units: ug/l

Time:			07:47		08:18		09:11		09:35	
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	1.0	<200	7.2	<200
Antimony	6.0	1.3	-0.60	<6.0	-1.8	<6.0	-2.0	<6.0	0.90	<6.0
Arsenic	10	1.6	1.1	<10	0.20	<10	0.30	<10	0.80	<10
Barium	200	1	0.20	<200	0.20	<200	0.10	<200	0.30	<200
Beryllium	4.0	.5	0.20	<4.0	0.10	<4.0	0.10	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	8.8	<1000	8.7	<1000	5.8	<1000	6.9	<1000
Chromium	10	1.8	0.0	<10	0.10	<10	0.20	<10	0.70	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	8.4	<300	10.4	<300	5.6	<300	11.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-32	<5000	-8.7	<5000	-17	<5000	-6.5	<5000
Manganese	15	.7	0.20	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.10	<40	0.10	<40	0.0	<40	0.10	<40
Potassium	10000	200	17.0	<10000	12.2	<10000	-2.8	<10000	6.3	<10000
Selenium	10	2	1.2	<10	-0.20	<10	0.0	<10	0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	4.3	<10000	3.0	<10000	6.3	<10000	5.9	<10000
Strontium	10	.5								
Thallium	10	1.3	1.9	<10	0.0	<10	0.0	<10	-0.50	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	-0.10	<50	-0.20	<50	-0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10528 Units: ug/l

Time:			10:27		11:36		11:58		12:51	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.7	<200	-12	<200	0.80	<200	3.0	<200
Antimony	6.0	1.3	-0.30	<6.0	-1.0	<6.0	1.1	<6.0	0.40	<6.0
Arsenic	10	1.6	0.60	<10	2.0	<10	-0.10	<10	0.40	<10
Barium	200	1	0.20	<200	0.10	<200	0.40	<200	0.50	<200
Beryllium	4.0	.5	0.20	<4.0	0.10	<4.0	0.40	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	4.9	<1000	4.6	<1000	5.9	<1000	6.4	<1000
Chromium	10	1.8	0.0	<10	0.20	<10	0.0	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	13.9	<300	7.0	<300	16.3	<300	15.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.1	<5000	-6.0	<5000	13.7	<5000	8.0	<5000
Manganese	15	.7	0.10	<15	0.0	<15	0.20	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.10	<40	0.0	<40	0.0	<40	0.10	<40
Potassium	10000	200	33.5	<10000	23.9	<10000	40.1	<10000	43.7	<10000
Selenium	10	2	1.4	<10	1.9	<10	-1.1	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	12.3	<10000	-0.70	<10000	9.7	<10000	20.8	<10000
Strontium	10	.5								
Thallium	10	1.3	-1.8	<10	-2.9	<10	1.9	<10	1.6	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.10	<50	0.50	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10528 Units: ug/l

Time:			13:46		14:39		15:11	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	1.6	<200	-2.5	<200	0.40	<200
Antimony	6.0	1.3	0.20	<6.0	0.70	<6.0	0.40	<6.0
Arsenic	10	1.6	-0.80	<10	0.0	<10	0.90	<10
Barium	200	1	0.40	<200	0.20	<200	0.30	<200
Beryllium	4.0	.5	0.40	<4.0	0.30	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	6.8	<1000	4.8	<1000	10.0	<1000
Chromium	10	1.8	0.10	<10	0.40	<10	0.10	<10
Cobalt	50	.5						
Copper	25	1	anr					
Iron	300	29	15.0	<300	11.4	<300	13.9	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	7.3	<5000	0.10	<5000	1.8	<5000
Manganese	15	.7	0.20	<15	0.20	<15	0.10	<15
Molybdenum	50	.6						
Nickel	40	.5	-0.20	<40	-0.20	<40	-0.20	<40
Potassium	10000	200	46.3	<10000	21.0	<10000	33.2	<10000
Selenium	10	2	-0.10	<10	1.2	<10	1.0	<10
Silver	10	.5	anr					
Sodium	10000	500	13.8	<10000	5.9	<10000	5.9	<10000
Strontium	10	.5						
Thallium	10	1.3	1.4	<10	3.2	<10	4.4	<10
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5	0.20	<50	0.30	<50	0.0	<50
Zinc	20	3	anr					

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10528 Units: ug/l

Time:		07:41			08:12			09:07	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	40300	100.8	40000	41600	104.0
Antimony	2000	2030	101.5	2000	1990	99.5	2000	2120	106.0
Arsenic	2000	1980	99.0	2000	1990	99.5	2000	2090	104.5
Barium	2000	2090	104.5	2000	2040	102.0	2000	2140	107.0
Beryllium	2000	2060	103.0	2000	2100	105.0	2000	2080	104.0
Cadmium	2000	2040	102.0	2000	2030	101.5	2000	2080	104.0
Calcium	40000	42900	107.3	40000	42500	106.3	40000	40200	100.5
Chromium	2000	2050	102.5	2000	2110	105.5	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	40000	42100	105.3	40000	42200	105.5	40000	41200	103.0
Lead	anr								
Magnesium	40000	41600	104.0	40000	42000	105.0	40000	40600	101.5
Manganese	2000	2040	102.0	2000	2140	107.0	2000	2100	105.0
Molybdenum									
Nickel	2000	2070	103.5	2000	2040	102.0	2000	2100	105.0
Potassium	40000	42200	105.5	40000	40700	101.8	40000	43000	107.5
Selenium	2000	2060	103.0	2000	1970	98.5	2000	2120	106.0
Silver	anr								
Sodium	40000	38600	96.5	40000	40600	101.5	40000	43300	108.3
Strontium									
Thallium	2000	2120	106.0	2000	2050	102.5	2000	2080	104.0
Tin									
Titanium									
Vanadium	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10528 Units: ug/l

Time:		09:30			10:23			11:32	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	40600	101.5	40000	32700	81.8*(a)
Antimony	2000	1990	99.5	2000	2040	102.0	2000	1920	96.0
Arsenic	2000	1990	99.5	2000	2020	101.0	2000	1940	97.0
Barium	2000	2010	100.5	2000	2070	103.5	2000	1890	94.5
Beryllium	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0
Cadmium	2000	2030	101.5	2000	2040	102.0	2000	2020	101.0
Calcium	40000	40600	101.5	40000	40700	101.8	40000	43000	107.5
Chromium	2000	2050	102.5	2000	2070	103.5	2000	2080	104.0
Cobalt									
Copper	anr								
Iron	40000	40900	102.3	40000	41300	103.3	40000	41300	103.3
Lead	anr								
Magnesium	40000	40100	100.3	40000	40600	101.5	40000	41300	103.3
Manganese	2000	2060	103.0	2000	2080	104.0	2000	2040	102.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2050	102.5	2000	2020	101.0
Potassium	40000	39900	99.8	40000	41200	103.0	40000	39000	97.5
Selenium	2000	2000	100.0	2000	2040	102.0	2000	1930	96.5
Silver	anr								
Sodium	40000	39900	99.8	40000	41200	103.0	40000	38600	96.5
Strontium									
Thallium	2000	2020	101.0	2000	2050	102.5	2000	2040	102.0
Tin									
Titanium									
Vanadium	2000	1980	99.0	2000	1990	99.5	2000	2000	100.0
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Al_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10528 Units: ug/l

Time:		11:54			12:47			13:42	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39800	99.5	40000	39400	98.5
Antimony	2000	1990	99.5	2000	2050	102.5	2000	2090	104.5
Arsenic	2000	2000	100.0	2000	2030	101.5	2000	2070	103.5
Barium	2000	2020	101.0	2000	2120	106.0	2000	2120	106.0
Beryllium	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Cadmium	2000	2030	101.5	2000	2040	102.0	2000	2080	104.0
Calcium	40000	40100	100.3	40000	39000	97.5	40000	39100	97.8
Chromium	2000	2050	102.5	2000	2020	101.0	2000	2020	101.0
Cobalt									
Copper	anr								
Iron	40000	40400	101.0	40000	40300	100.8	40000	40400	101.0
Lead	anr								
Magnesium	40000	39700	99.3	40000	38900	97.3	40000	38800	97.0
Manganese	2000	2050	102.5	2000	2030	101.5	2000	2010	100.5
Molybdenum									
Nickel	2000	2040	102.0	2000	2050	102.5	2000	2080	104.0
Potassium	40000	39600	99.0	40000	40400	101.0	40000	40400	101.0
Selenium	2000	2000	100.0	2000	2070	103.5	2000	2100	105.0
Silver	anr								
Sodium	40000	39500	98.8	40000	40600	101.5	40000	40600	101.5
Strontium									
Thallium	2000	2020	101.0	2000	1990	99.5	2000	2010	100.5
Tin									
Titanium									
Vanadium	2000	2060	103.0	2000	2030	101.5	2000	2020	101.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10528 Units: ug/l

Time:		14:35			15:07	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39200	98.0
Antimony	2000	2100	105.0	2000	2080	104.0
Arsenic	2000	2090	104.5	2000	2070	103.5
Barium	2000	2110	105.5	2000	2120	106.0
Beryllium	2000	2020	101.0	2000	2030	101.5
Cadmium	2000	2090	104.5	2000	2090	104.5
Calcium	40000	38600	96.5	40000	39100	97.8
Chromium	2000	2010	100.5	2000	2040	102.0
Cobalt						
Copper	anr					
Iron	40000	39900	99.8	40000	40300	100.8
Lead	anr					
Magnesium	40000	38400	96.0	40000	38700	96.8
Manganese	2000	1990	99.5	2000	2020	101.0
Molybdenum						
Nickel	2000	2090	104.5	2000	2090	104.5
Potassium	40000	41000	102.5	40000	40300	100.8
Selenium	2000	2110	105.5	2000	2110	105.5
Silver	anr					
Sodium	40000	41400	103.5	40000	40500	101.3
Strontium						
Thallium	2000	1970	98.5	2000	2020	101.0
Tin						
Titanium						
Vanadium	2000	2030	101.5	2000	2030	101.5
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10528 Units: ug/l

Time:		07:37	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80900	101.1
Antimony	4000	4030	100.8
Arsenic	4000	4040	101.0
Barium	4000	4010	100.3
Beryllium	4000	4000	100.0
Cadmium	4000	3980	99.5
Calcium	80000	80900	101.1
Chromium	4000	3980	99.5
Cobalt			
Copper	anr		
Iron	80000	79600	99.5
Lead	anr		
Magnesium	80000	81200	101.5
Manganese	4000	3960	99.0
Molybdenum			
Nickel	4000	3980	99.5
Potassium	80000	81600	102.0
Selenium	4000	4030	100.8
Silver	anr		
Sodium	80000	81800	102.3
Strontium			
Thallium	4000	4040	101.0
Tin			
Titanium			
Vanadium	4000	4050	101.3
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10528 Units: ug/l

Time:			07:51		14:53	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	210	105.0	199	99.5
Antimony	10	5.0	4.6	92.0	5.6	112.0
Arsenic	20	10	11.5	115.0	11.0	110.0
Barium	400	200	214	107.0	222	111.0
Beryllium	10	5.0	5.2	104.0	5.3	106.0
Cadmium	10	5.0	5.4	108.0	5.5	110.0
Calcium	2000	1000	1060	106.0	1020	102.0
Chromium	20	10	10.5	105.0	10.1	101.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	324	108.0	318	106.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5060	101.2	4950	99.0
Manganese	30	15	17.0	113.3	16.3	108.7
Molybdenum	100	50				
Nickel	80	40	43.8	109.5	44.5	111.3
Potassium	20000	10000	10200	102.0	10500	105.0
Selenium	20	10	11.0	110.0	10.7	107.0
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	10600	106.0
Strontium	20	10				
Thallium	20	10	9.9	99.0	8.6	86.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	53.9	107.8	51.0	102.0
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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10528 Units: ug/l

Time:			08:00		08:07		14:58		15:03	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	516000	103.2	516000	103.2	515000	103.0	523000	104.6
Antimony		1000	0.0		1030	103.0	5.1		1080	108.0
Arsenic		1000	0.0		1020	102.0	-1.6		1070	107.0
Barium		500	-0.50		481	96.2	0.10		512	102.4
Beryllium		500	-0.20		477	95.4	0.0		479	95.8
Cadmium		1000	0.0		855	85.5	1.8		893	89.3
Calcium	500000	500000	496000	99.2	501000	100.2	479000	95.8	483000	96.6
Chromium		500	-0.10		449	89.8	-0.20		452	90.4
Cobalt		500	-1.2		420	84.0	-1.3		448	89.6
Copper		500	-0.80		525	105.0	1.6		519	103.8
Iron	200000	200000	188000	94.0	183000	91.5	187000	93.5	184000	92.0
Lead		1000	0.0		864	86.4	2.6		863	86.3
Magnesium	500000	500000	529000	105.8	532000	106.4	510000	102.0	514000	102.8
Manganese		500	0.0		469	93.8	-3.7		460	92.0
Molybdenum		1000	0.30		963	96.3	0.20		1000	100.0
Nickel		1000	-0.70		842	84.2	-0.60		873	87.3
Potassium			5.3		-13		49.6		141	
Selenium		1000	1.6		998	99.8	-0.20		1050	105.0
Silver		1000	0.0		987	98.7	-0.30		987	98.7
Sodium			73.0		87.0		101		248	
Strontium		1000	4.1		1080	108.0	4.2		1060	106.0
Thallium		1000	0.0		943	94.3	3.6		901	90.1
Tin		1000	1.1		919	91.9	1.0		911	91.1
Titanium		1000	-3.0		1060	106.0	-3.0		1040	104.0
Vanadium		500	0.0		478	95.6	0.40		462	92.4
Zinc		1000	0.60		869	86.9	3.1		893	89.3

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:40	MA10530-STD1	1		STDA
07:44	MA10530-STD2	1		STDB
07:48	MA10530-STD3	1		STDC
07:52	MA10530-STD4	1		STDD
07:56	MA10530-HSTD1	1		
08:03	MA10530-ICV1	1		
08:09	MA10530-ICB1	1		
08:15	MA10530-CRIA1	1		
08:24	MA10530-ICSA1	1		
08:32	MA10530-ICSAB1	1		
08:41	MA10530-CCV1	1		
08:50	MA10530-CCB1	1		
08:54	MP24602-MB1	1		
08:58	MP24602-B1	1		
09:02	FA1575-2	1		(sample used for QC only; not part of login FA1564)
09:06	MP24602-D1	1		
09:11	MP24602-SD1	5		
09:15	MP24602-PS1	1		
09:19	MP24602-S1	1		
09:23	MP24602-S2	1		
09:27	ZZZZZZ	1		
09:31	ZZZZZZ	1		
09:35	MA10530-CCV2	1		
09:39	MA10530-CCB2	1		
09:44	ZZZZZZ	1		
09:48	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	ZZZZZZ	1		
10:00	ZZZZZZ	5		
10:04	ZZZZZZ	5		
10:09	ZZZZZZ	5		
10:13	ZZZZZZ	5		
10:17	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	10:21	ZZZZZZ	1		
	10:25	MA10530-CCV3	1		
	10:29	MA10530-CCB3	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		
	11:03	ZZZZZZ	4		
	11:07	ZZZZZZ	4		
	11:11	FA1564-6	1		
---------->	Last reportable sample/prep for job FA1564				
	11:15	MA10530-CCV4	1		
	11:19	MA10530-CCB4	1		
	12:58	MA10530-CCV5	1		
	13:02	MA10530-CCB5	1		
	13:11	MP24606-MB1	1		
	13:15	MP24606-B1	1		
	13:19	FA1651-13	1		(sample used for QC only; not part of login FA1564)
	13:23	MP24606-D1	1		
	13:28	MP24606-SD1	5		
	13:32	MP24606-PS1	1		
	13:36	MP24606-S1	1		
	13:40	MP24606-S2	1		
	13:44	ZZZZZZ	1		
	13:48	MA10530-CCV6	1		
	13:52	MA10530-CCB6	1		
	14:25	MA10530-CCV7	1		
	14:33	MA10530-CCB7	1		
	14:38	ZZZZZZ	1		
	14:42	ZZZZZZ	1		
	14:47	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:51	ZZZZZZ	1		
14:55	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:12	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:20	MA10530-CCV8	1		
15:24	MA10530-CCB8	1		
15:29	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:59	MP24606-MB2A	1		
16:12	MA10530-CCV9	1		
16:15	MA10530-CCB9	1		
20:28	MA10530-CCV10	1		
20:32	MA10530-CCB10	1		
20:58	MA10530-CRIA2	1		
21:03	MA10530-ICSA2	1		
21:07	MA10530-ICSAB2	1		
21:11	MA10530-CCV11	1		
21:15	MA10530-CCB11	1		

----------> Last reportable CCB for job FA1564
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:40	MA10530-STD1	4329	34211	6072	2235
07:44	MA10530-STD2	4331	33882	6114	2105
07:48	MA10530-STD3	4171	32322	6011	1907
07:52	MA10530-STD4	3888	31144	5890	1729
07:56	MA10530-HSTD1	3930	31393	5910	1748
08:03	MA10530-ICV1	4101	32537	5971	1892
08:09	MA10530-ICB1	4298 R	34153 R	6035 R	2238 R
08:15	MA10530-CRIA1	4259	34211	6087	2162
08:24	MA10530-ICSA1	3738	28884	5784	1649
08:32	MA10530-ICSAB1	3677	28648	5706	1621
08:41	MA10530-CCV1	3975	32208	5985	1872
08:50	MA10530-CCB1	4231	34337	6107	2212
08:54	MP24602-MB1	4159	33797	5993	2161
08:58	MP24602-B1	4005	32231	5935	1942
09:02	FA1575-2	4180	33868	6074	2094
09:06	MP24602-D1	4222	34143	6117	2115
09:11	MP24602-SD1	4269	34632	6149	2205
09:15	MP24602-PS1	4184	33552	6071	2031
09:19	MP24602-S1	4029	32403	5955	1908
09:23	MP24602-S2	3982	32148	5844	1889
09:27	ZZZZZZ	4231	34113	6104	2116
09:31	ZZZZZZ	4265	34397	6138	2116
09:35	MA10530-CCV2	4070	32420	5986	1892
09:39	MA10530-CCB2	4235	33908	6036	2207
09:44	ZZZZZZ	4180	33781	6006	2131
09:48	ZZZZZZ	4478	34967	6489	1963
09:52	ZZZZZZ	4599	36298	6642	1993
09:56	ZZZZZZ	4827	37785	7020	1940
10:00	ZZZZZZ	5896 !	46932 !	8875 !	1840
10:04	ZZZZZZ	6412 !	50368 !	9654 !	1806
10:09	ZZZZZZ	4380	34479	6593	1846
10:13	ZZZZZZ	4643	36494	6790	1969
10:17	ZZZZZZ	4585	36135	6710	1939

INTERNAL STANDARD SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:21	ZZZZZZ	4200	33777	5955	2147
10:25	MA10530-CCV3	4054	32172	5944	1884
10:29	MA10530-CCB3	4258	33807	5956	2206
10:33	ZZZZZZ	4143	33134	5952	2060
10:37	ZZZZZZ	4200	33662	6030	2122
10:42	ZZZZZZ	4176	32994	5880	2103
10:46	ZZZZZZ	4233	33415	5976	2143
10:50	ZZZZZZ	4258	33773	5990	2174
10:54	ZZZZZZ	4193	32757	5837	2132
10:58	ZZZZZZ	4178	33232	5911	2112
11:03	ZZZZZZ	4095	32540	5995	2022
11:07	ZZZZZZ	4062	32216	5920	2004
11:11	FA1564-6	4222	33650	5914	2181
11:15	MA10530-CCV4	4054	31968	5909	1880
11:19	MA10530-CCB4	4282	33746	5976	2209
12:58	MA10530-CCV5	4157	31524	5944	1888
13:02	MA10530-CCB5	4360	33236	5953	2211
13:11	MP24606-MB1	4337	33204	5975	2186
13:15	MP24606-B1	4180	31630	5924	1955
13:19	FA1651-13	4237	32086	5999	2004
13:23	MP24606-D1	4239	31952	6002	2012
13:28	MP24606-SD1	4353	32857	5951	2155
13:32	MP24606-PS1	4226	31962	5991	1979
13:36	MP24606-S1	4180	31477	6004	1898
13:40	MP24606-S2	4145	31151	5915	1876
13:44	ZZZZZZ	4667	35133	6511	2088
13:48	MA10530-CCV6	4166	31311	5910	1878
13:52	MA10530-CCB6	4413	33133	5975	2210
14:25	MA10530-CCV7	4135	31444	5928	1878
14:33	MA10530-CCB7	4360	33040	5933	2202
14:38	ZZZZZZ	4342	33279	6124	2139
14:42	ZZZZZZ	4367	33341	6095	2169
14:47	ZZZZZZ	6443 !	48975 !	9112 !	2054

INTERNAL STANDARD SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:51	ZZZZZZ	4308	33032	6006	2162
14:55	ZZZZZZ	13652 !	104000 !	19474 !	1973
14:59	ZZZZZZ	4342	33222	6070	2138
15:03	ZZZZZZ	4377	33378	6127	2148
15:08	ZZZZZZ	4498	34088	6321	2100
15:12	ZZZZZZ	4072	31272	5947	1965
15:16	ZZZZZZ	4146	31813	6032	2013
15:20	MA10530-CCV8	4142	31420	6026	1882
15:24	MA10530-CCB8	4341	33333	6007	2206
15:29	ZZZZZZ	4065	31305	5926	1975
15:33	ZZZZZZ	4101	31328	5900	1990
15:37	ZZZZZZ	4389	33504	6104	2209
15:42	ZZZZZZ	4224	31711	6003	2013
15:46	ZZZZZZ	4140	31328	5954	1957
15:50	ZZZZZZ	4339	33121	6024	2192
15:54	ZZZZZZ	4373	33279	5982	2200
15:59	MP24606-MB2A	4390	33265	6053	2185
16:12	MA10530-CCV9	4148	31329	5926	1875
16:15	MA10530-CCB9	4389	33229	6016	2194
20:28	MA10530-CCV10	4154	32085	5940	1900
20:32	MA10530-CCB10	4363	33787	5992	2211
20:58	MA10530-CRIA2	4280	33037	5919	2139
21:03	MA10530-ICSA2	3767	28423	5720	1654
21:07	MA10530-ICSAB2	3778	28221	5677	1636
21:11	MA10530-CCV11	4107	31815	5861	1887
21:15	MA10530-CCB11	4318	33827	5932	2209

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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10530 Units: ug/l

Time:			08:09		08:50		09:39		10:29	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.3	<200	4.2	<200	11.4	<200	0.40	<200
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	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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10530 Units: ug/l

Time:			11:19		13:02		13:52		14:33	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.8	<200	-5.4	<200	5.9	<200	1.4	<200
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	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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10530 Units: ug/l

Time:			15:24		16:15		20:32		21:15	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.1	<200	12.6	<200	23.2	<200	37.3	<200
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	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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		08:03			08:41			09:35	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	39600	99.0	40000	40100	100.3
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	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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		10:25			11:15			12:58	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40200	100.5	40000	39600	99.0
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	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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		13:48			14:25			15:20	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40100	100.3	40000	39600	99.0
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	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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		16:12			20:28			21:11	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40300	100.8	40000	40200	100.5
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	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10530 Units: ug/l

Time:		07:56	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79900	99.9
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	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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10530 Units: ug/l

Time:			08:15		20:58	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	198	99.0	211	105.5
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	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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10530 Units: ug/l

Time:			08:24		08:32		21:03		21:07	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	509000	101.8	513000	102.6	516000	103.2	513000	102.6
Antimony		1000	-0.40		1050	105.0	1.0		1040	104.0
Arsenic		1000	1.2		1030	103.0	1.3		1030	103.0
Barium		500	-0.60		480	96.0	-0.40		476	95.2
Beryllium		500	-0.30		461	92.2	0.0		463	92.6
Cadmium		1000	0.0		904	90.4	0.60		905	90.5
Calcium	500000	500000	480000	96.0	481000	96.2	486000	97.2	479000	95.8
Chromium		500	-0.20		461	92.2	-0.20		461	92.2
Cobalt		500	0.40		446	89.2	0.40		445	89.0
Copper		500	1.4		502	100.4	2.0		500	100.0
Iron	200000	200000	186000	93.0	181000	90.5	182000	91.0	181000	90.5
Lead		1000	-0.10		888	88.8	-0.40		887	88.7
Magnesium	500000	500000	498000	99.6	498000	99.6	502000	100.4	501000	100.2
Manganese		500	-0.70		465	93.0	-0.70		460	92.0
Molybdenum		1000	-0.90		965	96.5	-0.80		960	96.0
Nickel		1000	-0.20		872	87.2	-0.30		872	87.2
Potassium			50.9		69.5		48.1		27.7	
Selenium		1000	0.0		1010	101.0	3.5		1010	101.0
Silver		1000	0.0		995	99.5	-0.10		979	97.9
Sodium			136		172		101		131	
Strontium		1000	3.2		1020	102.0	3.3		1010	101.0
Thallium		1000	-0.90		960	96.0	-0.30		956	95.6
Tin		1000	0.40		931	93.1	0.50		933	93.3
Titanium		1000	-1.4		1040	104.0	-1.0		1030	103.0
Vanadium		500	0.20		468	93.6	0.50		466	93.2
Zinc		1000	0.0		889	88.9	-0.60		891	89.1

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24586
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/08/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	1.6	<10
Antimony	1.0	.065	.095	-0.025	<1.0
Arsenic	0.50	.08	.08	-0.050	<0.50
Barium	10	.05	.25	0.015	<10
Beryllium	0.25	.025	.025	-0.010	<0.25
Cadmium	0.20	.025	.025	-0.0050	<0.20
Calcium	250	2.5	2.5	8.8	<250
Chromium	0.50	.09	.09	0.080	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	3.2	<15
Lead	1.0	.055	.055	0.010	<1.0
Magnesium	250	3.7	3.8	0.27	<250
Manganese	0.75	.035	.045	0.040	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	0.010	<2.0
Potassium	500	10	10	1.5	<500
Selenium	1.0	.1	.15	0.075	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	1.8	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.055	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	0.015	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24586: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5

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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24586
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			02/08/13					02/08/13	
Metal	FA1564-1 Original	DUP	RPD	QC Limits	FA1564-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	16900	12900(a)	26.8*(b)	0-20	16900	16500(a)	1190	-33.7(d)	80-120
Antimony	0.0	0.0 (a)	NC	0-20	0.0	16.0 (a)	22	72.7N(e)	80-120
Arsenic	9.2	7.3 (a)	23.0 (c)	0-20	9.2	95.9 (a)	88	98.5	80-120
Barium	93.9	83.4 (a)	11.8	0-20	93.9	175 (a)	88	92.1	80-120
Beryllium	0.49	0.36 (a)	30.6 (c)	0-20	0.49	2.7 (a)	2.2	100.4	80-120
Cadmium	4.0	3.4 (a)	16.2	0-20	4.0	5.9 (a)	2.2	86.3	80-120
Calcium	37100	24900(a)	39.4*(b)	0-20	37100	28000(a)	1100	-826.8(d	80-120
Chromium	70.0	54.5 (a)	24.9*(b)	0-20	70.0	69.9 (a)	8.8	-1.1 (d)	80-120
Cobalt									
Copper									
Iron	28900	25900(a)	10.9	0-20	28900	36200(a)	1140	637.8(d)	80-120
Lead	2.7	1.3 (a)	70.0 (c)	0-20	2.7	23.9 (a)	22	96.3	80-120
Magnesium	3480	2950 (a)	16.5	0-20	3480	4000 (a)	1100	47.2N(e)	80-120
Manganese	92.0	78.0 (a)	16.5	0-20	92.0	149 (a)	22	259.0N(e	80-120
Molybdenum									
Nickel	11.3	9.3 (a)	19.4	0-20	11.3	32.4 (a)	22	95.9	80-120
Potassium	4020	3210 (a)	22.4 (c)	0-20	4020	4930 (a)	1100	82.7	80-120
Selenium	0.0	0.0 (a)	NC	0-20	0.0	86.7 (a)	88	98.5	80-120
Silver									
Sodium	613	468 (a)	26.8 (c)	0-20	613	1700 (a)	1100	98.8	80-120
Strontium									
Thallium	0.0	0.0 (a)	NC	0-20	0.0	91.3 (a)	88	103.7	80-120
Tin									
Titanium									
Vanadium	103	73.4 (a)	33.6*(b)	0-20	103	105 (a)	22	9.1N (e)	80-120
Zinc									

Associated samples MP24586: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5

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
(a) Sample dilution required due to sample matrix.
(b) High RPD due to possible sample nonhomogeneity.
(c) RPD acceptable due to low duplicate and sample concentrations.
(d) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(e) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24586 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 02/08/13

Metal	FA1564-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	16900	20300(a)	1400	242.4(b)	20.7 (c)	20
Antimony	0.0	20.3 (a)	26	78.1N(d)	23.7 (c)	20
Arsenic	9.2	113 (a)	104	99.9	16.4	20
Barium	93.9	219 (a)	104	120.4N(d	22.3 (c)	20
Beryllium	0.49	3.2 (a)	2.6	104.3	16.9	20
Cadmium	4.0	7.1 (a)	2.6	119.3	18.5	20
Calcium	37100	41000(a)	1300	300.3(b)	37.7 (c)	20
Chromium	70.0	85.6 (a)	10.4	150.1(b)	20.2 (c)	20
Cobalt						
Copper						
Iron	28900	30700(a)	1350	133.3(b)	16.4	20
Lead	2.7	33.0 (a)	26	116.6	32.0 (c)	20
Magnesium	3480	5190 (a)	1300	131.7N(d	25.9 (c)	20
Manganese	92.0	126 (a)	26	130.9N(d	16.7	20
Molybdenum						
Nickel	11.3	37.9 (a)	26	102.4	15.6	20
Potassium	4020	5730 (a)	1300	131.7N(d	15.0	20
Selenium	0.0	105 (a)	104	101.0	19.1	20
Silver						
Sodium	613	2100 (a)	1300	114.5	21.1 (c)	20
Strontium						
Thallium	0.0	116 (a)	104	111.6	23.8 (c)	20
Tin						
Titanium						
Vanadium	103	147 (a)	26	169.4N(d	33.3 (c)	20
Zinc						

Associated samples MP24586: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5

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
(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.
(c) High RPD due to possible sample nonhomogeneity.
(d) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24586
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/08/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1440	1350	106.7	80-120
Antimony	25.0	25	100.0	80-120
Arsenic	97.8	100	97.8	80-120
Barium	105	100	105.0	80-120
Beryllium	2.6	2.5	104.0	80-120
Cadmium	2.6	2.5	104.0	80-120
Calcium	1360	1250	108.8	80-120
Chromium	10.7	10	107.0	80-120
Cobalt				
Copper				
Iron	1370	1300	105.4	80-120
Lead	24.0	25	96.0	80-120
Magnesium	1300	1250	104.0	80-120
Manganese	25.8	25	103.2	80-120
Molybdenum				
Nickel	25.8	25	103.2	80-120
Potassium	1290	1250	103.2	80-120
Selenium	98.9	100	98.9	80-120
Silver				
Sodium	1320	1250	105.6	80-120
Strontium				
Thallium	101	100	101.0	80-120
Tin				
Titanium				
Vanadium	25.7	25	102.8	80-120
Zinc				

Associated samples MP24586: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24586
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/08/13

Metal	FA1564-1 Original	SDL 5:25	%DIF	QC Limits
Aluminum	348000	376000	8.0	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	190	184	2.7	0-10
Barium	1940	2110	8.9	0-10
Beryllium	10.2	0.00	100.0(a)	0-10
Cadmium	82.9	90.3	8.9	0-10
Calcium	765000	830000	8.4	0-10
Chromium	1450	1580	9.4	0-10
Cobalt				
Copper				
Iron	596000	651000	9.1	0-10
Lead	56.2	0.00	100.0(a)	0-10
Magnesium	71800	78200	9.0	0-10
Manganese	1900	2070	9.1	0-10
Molybdenum				
Nickel	234	252	7.7	0-10
Potassium	82900	85800	3.4	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	12600	13300	5.0	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	2130	2270	6.5	0-10
Zinc				

Associated samples MP24586: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5

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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24586
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/08/13

Metal	Sample ml	Final ml	FA1564-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	348300	341334	334100	0.2	125	2500	-289.4*a	80-120
Antimony	9.8	10	0	0	91.7	0.2	5	100	91.7	80-120
Arsenic	9.8	10	189.5	185.71	278.8	0.2	5	100	93.1	80-120
Barium	9.8	10	1938	1899.24	2079	0.2	12.5	250	71.9*(a)	80-120
Beryllium	9.8	10	10.2	9.996	57	0.2	2.5	50	94.0	80-120
Cadmium	9.8	10	82.9	81.242	126.6	0.2	2.5	50	90.7	80-120
Calcium	9.8	10	765400	750092	733500	0.2	250	5000	-331.8*a	80-120
Chromium	9.8	10	1445	1416.1	1422	0.2	2.5	50	11.8*(a)	80-120
Cobalt										
Copper										
Iron	9.8	10	596200	584276	570600	0.2	150	3000	-455.9*a	80-120
Lead	9.8	10	56.2	55.076	100.4	0.2	2.5	50	90.6	80-120
Magnesium	9.8	10	71770	70334.6	72620	0.2	250	5000	45.7*(a)	80-120
Manganese	9.8	10	1898	1860.04	1853	0.2	2.5	50	-14.1*(a	80-120
Molybdenum										
Nickel	9.8	10	233.5	228.83	315.8	0.2	5	100	87.0	80-120
Potassium	9.8	10	82940	81281.2	88250	0.2	500	10000	69.7*(a)	80-120
Selenium	9.8	10	0	0	99.4	0.2	5	100	99.4	80-120
Silver										
Sodium	9.8	10	12640	12387.2	21590	0.2	500	10000	92.0	80-120
Strontium										
Thallium	9.8	10	0	0	58.7	0.2	5	100	58.7*(a)	80-120
Tin										
Titanium										
Vanadium	9.8	10	2132	2089.36	2078	0.2	2.5	50	-22.7*(a	80-120
Zinc										

Associated samples MP24586: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5

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
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/11/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-0.40	<200
Antimony	6.0	1.3	1.3	-0.50	<6.0
Arsenic	10	1.6	2.5	-1.3	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	29.3	<1000
Chromium	10	1.8	2	0.0	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-0.90	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-23	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-24	<10000
Selenium	10	2	2	0.90	<10
Silver	10	.5	.5		
Sodium	10000	500	500	2.0	<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 MP24591: FA1564-6

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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:	02/11/13							02/11/13	
Metal	FA1589-1 Original	DUP	RPD	QC Limits	FA1589-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	78.1	67.8	14.1	0-20	78.1	29500	27000	109.0	80-120
Antimony	0.0	0.0	NC	0-20	0.0	536	500	107.2	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2060	2000	103.0	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	51.6	50	103.2	80-120
Calcium	30200	29000	4.1	0-20	30200	56100	25000	103.6	80-120
Chromium	0.0	0.0	NC	0-20	0.0	223	200	111.5	80-120
Cobalt									
Copper	anr								
Iron	15800	15100	4.5	0-20	15800	43600	26000	106.9	80-120
Lead	anr								
Magnesium	2360	2260	4.3	0-20	2360	28600	25000	105.0	80-120
Manganese									
Molybdenum									
Nickel	anr								
Potassium	2350	2250	4.3	0-20	2350	29000	25000	106.6	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2090	2000	104.5	80-120
Silver	anr								
Sodium	892	838	6.2	0-20	892	27800	25000	107.6	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP24591: FA1564-6

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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/11/13

Metal	FA1589-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	78.1	28300	27000	104.5	4.2	20
Antimony	0.0	497	500	99.4	7.6	20
Arsenic	0.0	1930	2000	96.5	6.5	20
Barium	anr					
Beryllium						
Cadmium	0.0	48.1	50	96.2	7.0	20
Calcium	30200	56300	25000	104.4	0.4	20
Chromium	0.0	206	200	103.0	7.9	20
Cobalt						
Copper	anr					
Iron	15800	42300	26000	101.9	3.0	20
Lead	anr					
Magnesium	2360	27900	25000	102.2	2.5	20
Manganese						
Molybdenum						
Nickel	anr					
Potassium	2350	28400	25000	104.2	2.1	20
Selenium	0.0	1960	2000	98.0	6.4	20
Silver	anr					
Sodium	892	27100	25000	104.8	2.6	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP24591: FA1564-6

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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/11/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	29500	27000	109.3	80-120
Antimony	546	500	109.2	80-120
Arsenic	2080	2000	104.0	80-120
Barium	anr			
Beryllium				
Cadmium	52.3	50	104.6	80-120
Calcium	25800	25000	103.2	80-120
Chromium	214	200	107.0	80-120
Cobalt				
Copper	anr			
Iron	27900	26000	107.3	80-120
Lead	anr			
Magnesium	25900	25000	103.6	80-120
Manganese				
Molybdenum				
Nickel	anr			
Potassium	28300	25000	113.2	80-120
Selenium	2120	2000	106.0	80-120
Silver	anr			
Sodium	28600	25000	114.4	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24591: FA1564-6

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/11/13

Metal	FA1589-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	78.1	0.00	100.0(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	30200	34400	14.0*(b)	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	15800	17600	11.4*(b)	0-10
Lead	anr			
Magnesium	2360	2580	9.2	0-10
Manganese				
Molybdenum				
Nickel	anr			
Potassium	2350	2510	6.9	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	892	0.00	100.0(a)	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24591: FA1564-6

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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/11/13

Metal	Sample ml	Final ml	FA1589-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	78.1	76.538	2646	0.2	125	2500	102.8	80-120
Antimony	9.8	10	0	0	108.2	0.2	5	100	108.2	80-120
Arsenic	9.8	10	0	0	104.8	0.2	5	100	104.8	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	52.8	0.2	2.5	50	105.6	80-120
Calcium	9.8	10	30190	29586.2	35580	0.2	250	5000	119.9	80-120
Chromium	9.8	10	0	0	54	0.2	2.5	50	108.0	80-120
Cobalt										
Copper										
Iron	9.8	10	15810	15493.8	18530	0.2	150	3000	101.2	80-120
Lead										
Magnesium	9.8	10	2360	2312.8	7132	0.2	250	5000	96.4	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	2351	2303.98	13270	0.2	500	10000	109.7	80-120
Selenium	9.8	10	0	0	107.1	0.2	5	100	107.1	80-120
Silver										
Sodium	9.8	10	891.9	874.062	12060	0.2	500	10000	111.9	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24591: FA1564-6

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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1564
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	GN54160	5.0	0.0	mg/l	250	254	102.0	90-113%
Bromide	GP20984/GN54173	5.0	0.0	mg/kg	125	130	104.1	90-110%
Chloride	GP20959/GN54101	2.0	0.0	mg/l	50	51.9	103.8	90-110%
Chloride	GP20984/GN54173	20	0.0	mg/kg	500	512	102.5	90-110%
Fluoride	GP20959/GN54101	0.20	0.0	mg/l	2.5	2.47	98.8	90-110%
Fluoride	GP20984/GN54173	1.0	0.0	mg/kg	25	25.1	100.5	90-110%
Nitrogen, Ammonia	GP20995/GN54202	1.2	0.0	mg/kg	30	29.9	99.7	80-120%
Nitrogen, Nitrate	GP20959/GN54101	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Nitrogen, Nitrate	GP20984/GN54173	1.0	0.0	mg/kg	25	25.0	100.1	90-110%
Nitrogen, Nitrite	GP20984/GN54173	1.0	0.0	mg/kg	25	25.5	102.1	90-110%
Nitrogen, Total Kjeldahl	GP20970/GN54165	11	0.0	mg/kg	105	108	102.9	80-120%
Phosphate, Ortho	GP20943/GN54063	0.10	0.0	mg/l	0.300	0.28	94.3	83-116%
Phosphorus, Total	GP20980/GN54176	6.7	0.0	mg/kg	20.0	19.6	98.2	81-126%
Phosphorus, Total	GP20981/GN54175	0.10	0.0	mg/l	.300	0.29	95.5	81-118%
Solids, Total Dissolved	GN54100	100	0.0	mg/l				
Specific Conductivity	GN54066	1.0	0.0	umhos/cm				
Sulfate	GP20959/GN54101	2.0	0.0	mg/l	50	51.7	103.4	90-110%
Sulfate	GP20984/GN54173	20	0.0	mg/kg	500	513	102.7	90-110%

Associated Samples:
Batch GN54066: FA1564-6
Batch GN54100: FA1564-6
Batch GN54160: FA1564-6
Batch GP20943: FA1564-6F
Batch GP20959: FA1564-6
Batch GP20970: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20980: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20981: FA1564-6
Batch GP20984: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20995: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1564
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	GN54160	FA1526-1	mg/l	75.7	75.5	0.3	0-20%
Phosphate, Ortho	GP20943/GN54063	FA1564-6F	mg/l	0.020 U	0.0	15.2	0-26%
Phosphorus, Total	GP20980/GN54176	FA1466-5	mg/kg	12700	14300	17.2	0-23%
Phosphorus, Total	GP20981/GN54175	FA1566-1	mg/l	4550	4390	3.6	0-22%
Solids, Percent	GN54123	FA1566-3	%	85.4	85.7	0.4	0-5%
Solids, Total Dissolved	GN54100	FA1507-7	mg/l	322	318	1.3	0-5%
Specific Conductivity	GN54066	FA1566-1	umhos/cm	11300	11300	0.3	0-10%
pH	GN54089	FA1566-1	su	2.39	2.40	0.4	0-10%
pH	GN54242	FA1466-3	su	10.38	10.24	1.4	0-10%

Associated Samples:
Batch GN54066: FA1564-6
Batch GN54089: FA1564-6
Batch GN54100: FA1564-6
Batch GN54123: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GN54160: FA1564-6
Batch GN54242: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20943: FA1564-6F
Batch GP20980: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20981: FA1564-6
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1564
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	GN54160	FA1526-1	mg/l	75.7	250	318	96.8	90-113%
Bromide	GP20984/GN54173	FA1564-5	mg/kg	6.2 U	154	114	74.1N(a)	90-110%
Chloride	GP20959/GN54101	FA1564-6	mg/l	0.80 U	50	51.8	103.6	90-110%
Chloride	GP20984/GN54173	FA1564-5	mg/kg	44 U	615	626	101.8	90-110%
Fluoride	GP20959/GN54101	FA1564-6	mg/l	0.11	2.5	2.1	79.6N(a)	90-110%
Fluoride	GP20984/GN54173	FA1564-5	mg/kg	6.1	30.8	12.5	20.8N(a)	90-110%
Nitrogen, Ammonia	GP20995/GN54202	FA1446-4	mg/kg	184	35.4	213	81.8	80-120%
Nitrogen, Nitrate	GP20959/GN54101	FA1564-6	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Nitrate	GP20984/GN54173	FA1564-5	mg/kg	6.2	30.8	31.2	81.3N(a)	90-110%
Nitrogen, Nitrite	GP20984/GN54173	FA1564-5	mg/kg	3.1 U	30.8	27.2	88.4N(a)	90-110%
Nitrogen, Total Kjeldahl	GP20970/GN54165	FA1564-1	mg/kg	376	116	439	54.1N(a)	80-120%
Phosphate, Ortho	GP20943/GN54063	FA1564-6F	mg/l	0.020 U	0.300	0.29	188.5*(a)	83-116%
Phosphorus, Total	GP20980/GN54176	FA1466-5	mg/kg	12700	21.2	14000	4380.0*(a)	81-126%
Phosphorus, Total	GP20981/GN54175	FA1566-1	mg/l	4550	.300	4450	0.0(b)	81-118%
Sulfate	GP20959/GN54101	FA1564-6	mg/l	0.60 U	50	53.3	106.6	90-110%
Sulfate	GP20984/GN54173	FA1564-5	mg/kg	1140	615	1710	92.7	90-110%

Associated Samples:
Batch GN54160: FA1564-6
Batch GP20943: FA1564-6F
Batch GP20959: FA1564-6
Batch GP20970: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20980: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20981: FA1564-6
Batch GP20984: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20995: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
(*) 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: FA1564
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	GP20984/GN54173	FA1564-5	mg/kg	6.2 U	154	177	43.3N(a)	
Chloride	GP20959/GN54101	FA1564-6	mg/l	0.80 U	50	51.8	0.0	
Chloride	GP20984/GN54173	FA1564-5	mg/kg	44 U	615	619	1.1	
Fluoride	GP20959/GN54101	FA1564-6	mg/l	0.11	2.5	2.1	0.0N(a)	
Fluoride	GP20984/GN54173	FA1564-5	mg/kg	6.1	30.8	11.8	5.8N(a)	
Nitrogen, Ammonia	GP20995/GN54202	FA1446-4	mg/kg	184	34.8	207	2.9	30%
Nitrogen, Nitrate	GP20959/GN54101	FA1564-6	mg/l	0.050 U	2.5	2.5	4.1	
Nitrogen, Nitrate	GP20984/GN54173	FA1564-5	mg/kg	6.2	30.8	31.5	1.0N(a)	
Nitrogen, Nitrite	GP20984/GN54173	FA1564-5	mg/kg	3.1 U	30.8	28.3	4.0	
Nitrogen, Total Kjeldahl	GP20970/GN54165	FA1564-1	mg/kg	376	116	578	27.3N(a)	30%
Phosphorus, Total	GP20980/GN54176	FA1466-5	mg/kg	12700	21.2	13000	4.8(a)	23%
Phosphorus, Total	GP20981/GN54175	FA1566-1	mg/l	4550	.300	4490	0.9(b)	22%
Sulfate	GP20959/GN54101	FA1564-6	mg/l	0.60 U	50	49.3	7.8	
Sulfate	GP20984/GN54173	FA1564-5	mg/kg	1140	615	1670	2.4N(a)	

Associated Samples:
Batch GP20959: FA1564-6
Batch GP20970: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20980: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20981: FA1564-6
Batch GP20984: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
Batch GP20995: FA1564-1, FA1564-2, FA1564-3, FA1564-4, FA1564-5
(*) 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: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54101
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:25	GN54101-CCV1	1		
09:41	GN54101-CCB1	1		
09:56	GP20959-MB1	1		
10:12	GP20959-B1	1		
11:00	FA1564-6	1		
11:16	ZZZZZZ	500		
11:32	ZZZZZZ	500		
11:48	ZZZZZZ	100		
12:04	GP20959-S1	1		
12:20	GP20959-S2	1		
12:35	GN54101-CCV2	1		
12:51	GN54101-CCB2	1		
13:11	GP20960-MB1	1		
13:27	GP20960-B1	1		
13:43	ZZZZZZ	5		
13:59	ZZZZZZ	25		
14:15	ZZZZZZ	5		
14:46	ZZZZZZ	10		
15:02	ZZZZZZ	10		
15:18	ZZZZZZ	10		
15:50	GN54101-CCV3	1		
16:06	GN54101-CCB3	1		
16:38	ZZZZZZ	2		
17:25	ZZZZZZ	10		
17:41	ZZZZZZ	5		
17:57	ZZZZZZ	25		
18:13	ZZZZZZ	25		
18:29	FA1416-2	5		(sample used for QC only; not part of login FA1564)
19:01	GN54101-CCV4	1		
19:17	GN54101-CCB4	1		
19:33	ZZZZZZ	5		
19:49	ZZZZZZ	5		
20:04	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54101
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:20	ZZZZZZ	5		
20:36	ZZZZZZ	5		
20:52	ZZZZZZ	5		
21:08	ZZZZZZ	5		
21:24	GP20960-S1	5		
21:40	GP20960-S2	5		
22:12	GN54101-CCV5	1		
22:27	GN54101-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Run ID: GN54101 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54101-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54101-CCV1	Chloride	51.9	2.0	0.80	50	103.8	90-110
GN54101-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54101-CCV1	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN54101-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB1	Chloride	0.80 U	2.0	0.80			
GN54101-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54101-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV2	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54101-CCV2	Chloride	51.8	2.0	0.80	50	103.6	90-110
GN54101-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54101-CCV2	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54101-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB2	Chloride	0.80 U	2.0	0.80			
GN54101-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54101-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54101-CCV3	Chloride	51.8	2.0	0.80	50	103.6	90-110
GN54101-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54101-CCV3	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54101-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB3	Chloride	0.80 U	2.0	0.80			
GN54101-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54101-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV4	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54101-CCV4	Chloride	51.9	2.0	0.80	50	103.8	90-110
GN54101-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54101-CCV4	Sulfate	51.1	2.0	0.60	50	102.2	90-110
GN54101-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB4	Chloride	0.80 U	2.0	0.80			
GN54101-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54101-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54101-CCV5	Chloride	51.9	2.0	0.80	50	103.8	90-110
GN54101-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54101-CCV5	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54101-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB5	Chloride	0.80 U	2.0	0.80			
GN54101-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54101-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021413TKN1.CSV Date Analyzed: 02/14/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54165
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:35	GN54165-ICV1	1		
11:36	GN54165-CCV1	1		
11:37	GN54165-CCB1	1		
11:39	GP20970-MB1	1		
11:40	GP20970-B1	1		
11:41	FA1564-1	1		
11:45	FA1564-2	1		
11:47	FA1564-4	1		
11:50	GN54165-CCV2	1		
11:51	GN54165-CCB2	1		
11:55	ZZZZZZ	1		
11:56	ZZZZZZ	1		
11:58	GP20970-S1	2		
11:59	GP20970-S2	2		
12:00	FA1564-3	2		
12:01	FA1564-5	2		
12:02	ZZZZZZ	2		
12:03	GN54165-CCV3	1		
12:05	GN54165-CCB3	1		
12:06	ZZZZZZ	5		
12:07	ZZZZZZ	5		
12:08	ZZZZZZ	2		
12:09	GN54165-CCV4	1		
12:10	GN54165-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021413TKN1.CSV Date Analyzed: 02/14/13 Methods: EPA 351.2 M
Run ID: GN54165 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54165-ICV1	Nitrogen, Total Kjeldahl	2.7	0.25	0.10	2.5	108.0	90-110
GN54165-CCV1	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54165-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54165-CCV2	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54165-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54165-CCV3	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54165-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54165-CCV4	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54165-CCB4	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54173
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:51	GN54173-CCV1	1		
11:06	GN54173-CCB1	1		
11:22	GP20986-MB1	1		
11:38	GP20986-B1	1		
12:26	ZZZZZZ	25		
12:42	ZZZZZZ	10		
12:57	ZZZZZZ	10		
13:13	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:45	ZZZZZZ	10		
14:01	GN54173-CCV2	1		
14:17	GN54173-CCB2	1		
14:33	ZZZZZZ	10		
15:23	ZZZZZZ	1		
15:39	FA1735-1	1		(sample used for QC only; not part of login FA1564)
15:55	FA1735-3	1		(sample used for QC only; not part of login FA1564)
16:11	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:46	GN54173-CCV3	1		
18:02	GN54173-CCB3	1		
18:17	ZZZZZZ	1		
18:33	ZZZZZZ	1		
18:49	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:21	ZZZZZZ	25		
19:37	ZZZZZZ	25		
19:53	ZZZZZZ	25		
20:09	ZZZZZZ	25		
20:25	GN54173-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54173
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:41	GN54173-CCB4	1		
20:56	GP20986-S1	1		
21:12	GP20986-S2	1		
21:28	GP20986-S3	1		
21:44	GP20986-S4	1		
22:00	GN54173-CCV5	1		
22:16	GN54173-CCB5	1		
22:32	GP20984-MB1	1		
22:48	GP20984-B1	1		
23:04	FA1564-1	5		
23:19	FA1564-2	5		
23:35	FA1564-3	5		
23:51	FA1564-4	5		
00:07	FA1564-5	5		
00:23	ZZZZZZ	5		
00:39	ZZZZZZ	5		
01:11	GN54173-CCV6	1		
01:27	GN54173-CCB6	1		
01:43	ZZZZZZ	5		
01:58	ZZZZZZ	5		
02:14	ZZZZZZ	5		
02:30	FA1616-5	5		(sample used for QC only; not part of login FA1564)
02:46	ZZZZZZ	2		
03:02	GP20984-S1	5		
03:18	GP20984-S2	5		
03:34	GP20984-S3	5		
03:50	GP20984-S4	5		
04:21	GN54173-CCV7	1		
04:37	GN54173-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Run ID: GN54173 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54173-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54173-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV1	Sulfate	51.7	2.0	0.60	50	103.4	90-110
GN54173-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54173-CCV2	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54173-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV3	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54173-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV4	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54173-CCV4	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN54173-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV5	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV5	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN54173-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV6	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV6	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV6	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54173-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV7	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV7	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV7	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54173-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB7	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB7	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150201.TXT Date Analyzed: 02/15/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54200
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:54	GN54200-CCV1	1		
11:10	GN54200-CCB1	1		
11:26	GP20997-MB1	1		
11:42	GP20997-B1	1		
12:29	ZZZZZZ	100		
12:45	ZZZZZZ	50		
13:01	ZZZZZZ	25		
13:17	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:49	ZZZZZZ	1		
14:05	GN54200-CCV2	1		
14:21	GN54200-CCB2	1		
14:36	FA1764-3	1		(sample used for QC only; not part of login FA1564)
14:52	ZZZZZZ	1		
15:08	FA1764-5	1		(sample used for QC only; not part of login FA1564)
15:24	ZZZZZZ	1		
15:40	ZZZZZZ	5		
15:56	ZZZZZZ	1		
16:55	ZZZZZZ	2		
17:11	ZZZZZZ	500		
17:26	GP20997-S1	1		
17:42	GP20997-S2	1		
17:58	GN54200-CCV3	1		
18:14	GN54200-CCB3	1		
18:30	GP20997-S3	1		
18:46	GP20997-S4	1		
19:02	GN54200-CCV4	1		
19:18	GN54200-CCB4	1		
19:34	FA1564-1	25		
19:50	FA1564-3	25		
20:21	ZZZZZZ	10		
20:37	ZZZZZZ	25		
21:25	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150201.TXT Date Analyzed: 02/15/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54200
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:13	GN54200-CCV5	1		
22:29	GN54200-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150201.TXT Date Analyzed: 02/15/13 Methods: EPA 300/SW846 9056A
Run ID: GN54200 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54200-CCV1	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN54200-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54200-CCV2	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN54200-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54200-CCV3	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN54200-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54200-CCV4	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN54200-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54200-CCV5	Sulfate	49.9	2.0	0.60	50	99.8	90-110
GN54200-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54202
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:21	GN54202-ICV1	1		
13:22	GN54202-CCV1	1		
13:23	GN54202-CCB1	1		
13:24	GP20995-MB1	1		
13:25	GP20995-B1	1		
13:32	ZZZZZZ	1		
13:34	GN54202-CCV2	1		
13:35	GN54202-CCB2	1		
13:40	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:44	FA1564-2	1		
13:46	FA1564-4	1		
13:47	GN54202-CCV3	1		
13:48	GN54202-CCB3	1		
14:11	GN54202-CCV4	1		
14:12	GN54202-CCB4	1		
14:13	FA1564-5	1		
14:14	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:17	GP20995-S1	5		
14:18	GP20995-S2	5		
14:19	FA1446-4	5		(sample used for QC only; not part of login FA1564)
14:20	ZZZZZZ	2		
14:21	ZZZZZZ	2		
14:22	ZZZZZZ	10		
14:23	GN54202-CCV5	1		
14:24	GN54202-CCB5	1		
14:25	ZZZZZZ	10		
14:26	ZZZZZZ	25		
14:27	ZZZZZZ	2		
14:28	ZZZZZZ	2		
14:29	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54202
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:30	FA1564-1	2		
14:31	FA1564-3	5		
14:33	GN54202-CCV6	1		
14:35	GN54202-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1564
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Run ID: GN54202 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54202-ICV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV2	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV3	Nitrogen, Ammonia	2.6	0.10	0.022	2.5	104.0	90-110
GN54202-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV4	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB4	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV5	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB5	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV6	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB6	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA1564
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1564-1 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-43 (14-15)

Wet Weight (Total)	8.17	g
Tare Weight	1.01	g
Dry Weight (Total)	7.22	g
Solids, Percent	86.7	%

Sample: FA1564-2 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-44-75

Wet Weight (Total)	8.6	g
Tare Weight	1.03	g
Dry Weight (Total)	7.9	g
Solids, Percent	90.8	%

Sample: FA1564-3 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-44 (0-1)

Wet Weight (Total)	8.35	g
Tare Weight	.98	g
Dry Weight (Total)	7.38	g
Solids, Percent	86.8	%

Sample: FA1564-4 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-44 (1-2)

Wet Weight (Total)	8.76	g
Tare Weight	1.02	g
Dry Weight (Total)	7.97	g
Solids, Percent	89.8	%

Sample: FA1564-5 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-44 (4-5)

Wet Weight (Total)	8.75	g
Tare Weight	1.01	g
Dry Weight (Total)	7.33	g
Solids, Percent	81.7	%

Southeast ACCUTEST LABORATORIES

02/25/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA1566

Sampling Dates: 02/05/13 - 02/06/13

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: **173**

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.

Table of Contents

-1-

Section 1: Sample Summary 3
Section 2: Case Narrative/Conformance Summary 4
Section 3: Summary of Hits 10
Section 4: Sample Results 14
- **4.1:** FA1566-1: A-38-19 15
- **4.2:** FA1566-1F: A-38-19 16
- **4.3:** FA1566-2: WATER-EB-2/5/13 18
- **4.4:** FA1566-3: A-43 (0-1) 20
- **4.5:** FA1566-4: A-43 (1-2) 22
- **4.6:** FA1566-5: A-43 (4-5) 24
- **4.7:** FA1566-6: A-43 (9-10) 26
- **4.8:** FA1566-7: A-101 28

Section 5: Misc. Forms 30
- **5.1:** Chain of Custody 31

Section 6: Metals Analysis - QC Data Summaries 34
- **6.1:** Inst QC MA10528: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 35
- **6.2:** Inst QC MA10530: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 51
- **6.3:** Inst QC MA10533: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V 67
- **6.4:** Inst QC MA10534: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 87
- **6.5:** Inst QC MA10537: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se 100
- **6.6:** Inst QC MA10541: K,Na 116
- **6.7:** Prep QC MP24591: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 132
- **6.8:** Prep QC MP24602: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 138
- **6.9:** Prep QC MP24608: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 144

Section 7: General Chemistry - QC Data Summaries 150
- **7.1:** Method Blank and Spike Results Summary 151
- **7.2:** Duplicate Results Summary 152
- **7.3:** Matrix Spike Results Summary 153
- **7.4:** Matrix Spike Duplicate Results Summary 154
- **7.5:** Inst QC GN54075: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 155
- **7.6:** Inst QC GN54165: Nitrogen, Total Kjeldahl 158
- **7.7:** Inst QC GN54173: Fluoride,Nitrogen, Nitrate,Sulfate 160
- **7.8:** Inst QC GN54200: Sulfate 163
- **7.9:** Inst QC GN54202: Nitrogen, Ammonia 166
- **7.10:** Inst QC GN54217: Sulfate 169
- **7.11:** Inst QC GN54262: Nitrogen, Ammonia 171
- **7.12:** Percent Solids Raw Data Summary 173

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA1566

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
FA1566-1	02/05/13	13:30	SD	02/08/13	AQ	Water	A-38-19
FA1566-1F	02/05/13	13:30	SD	02/08/13	AQ	Water Filtered	A-38-19
FA1566-2	02/05/13	16:00	SD	02/08/13	AQ	Equipment Blank	WATER-EB-2/5/13
FA1566-3	02/06/13	12:30	SD	02/08/13	SO	Soil	A-43 (0-1)
FA1566-4	02/06/13	12:31	SD	02/08/13	SO	Soil	A-43 (1-2)
FA1566-5	02/06/13	12:32	SD	02/08/13	SO	Soil	A-43 (4-5)
FA1566-6	02/06/13	12:33	SD	02/08/13	SO	Soil	A-43 (9-10)
FA1566-7	02/06/13	12:40	SD	02/08/13	SO	Soil	A-101

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA1566

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 2/25/2013 4:16:16 PM

7 Samples were collected on/between 02/05/2013 and 02/06/2013 and were received at Accutest SE on 02/08/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA1566. 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:** MP24591

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) FA1589-1DUP, FA1589-1MS, FA1589-1MSD, FA1589-1PS, FA1589-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Aluminum, Sodium, Calcium, Iron are outside control limits for sample MP24591-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24591-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24591-SD1 for Calcium: Serial dilution indicates possible matrix interference.

Matrix: AQ **Batch ID:** MP24608

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) FA1672-1DUP, FA1672-1MS, FA1672-1MSD, FA1672-1PS, FA1672-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Antimony are outside control limits for sample MP24608-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Antimony are outside control limits for sample MP24608-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

FA1566-1F for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1566-1F for Antimony: Elevated reporting limit(s) due to matrix interference.

FA1566-1F for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1566-1F for Chromium: Elevated reporting limit(s) due to matrix interference.

FA1566-1F for Iron: Elevated reporting limit(s) due to matrix interference.

FA1566-1F for Magnesium: Elevated reporting limit(s) due to matrix interference.

FA1566-1F for Selenium: Elevated reporting limit(s) due to matrix interference.

Matrix: SO **Batch ID:** MP24602

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) FA1575-2DUP, FA1575-2MS, FA1575-2MSD, FA1575-2PS, FA1575-2SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Arsenic, Calcium, Selenium are outside control limits for sample MP24602-D1. RPD acceptable due to low duplicate and
sample concentrations.

RPD(s) for Serial Dilution for Arsenic, Calcium, Nickel, Potassium, Selenium are outside control limits for sample MP24602-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24602-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24602

FA1566-3 for Lead: Sample dilution required due to sample matrix.
FA1566-4 for Lead: Sample dilution required due to sample matrix.
FA1566-5 for Aluminum: Sample dilution required due to sample matrix.
FA1566-5 for Antimony: Sample dilution required due to sample matrix.
FA1566-5 for Arsenic: Sample dilution required due to sample matrix.
FA1566-5 for Barium: Sample dilution required due to sample matrix.
FA1566-5 for Beryllium: Sample dilution required due to sample matrix.
FA1566-5 for Cadmium: Sample dilution required due to sample matrix.
FA1566-3 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1566-5 for Chromium: Sample dilution required due to sample matrix.
FA1566-4 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1566-5 for Lead: Sample dilution required due to sample matrix.
FA1566-5 for Magnesium: Sample dilution required due to sample matrix.
FA1566-5 for Manganese: Sample dilution required due to sample matrix.
FA1566-5 for Nickel: Sample dilution required due to sample matrix.
FA1566-5 for Potassium: Sample dilution required due to sample matrix.
FA1566-5 for Selenium: Sample dilution required due to sample matrix.
FA1566-5 for Sodium: Sample dilution required due to sample matrix.
FA1566-4 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1566-3 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1566-3 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1566-3 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1566-5 for Iron: Sample dilution required due to sample matrix.
FA1566-3 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1566-5 for Thallium: Sample dilution required due to sample matrix.
FA1566-3 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1566-4 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1566-3 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1566-3 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1566-7 for Iron: Sample dilution required due to sample matrix.
FA1566-3 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1566-7 for Lead: Sample dilution required due to sample matrix.
FA1566-7 for Magnesium: Sample dilution required due to sample matrix.
FA1566-7 for Manganese: Sample dilution required due to sample matrix.
FA1566-5 for Vanadium: Sample dilution required due to sample matrix.
FA1566-3 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1566-5 for Calcium: Sample dilution required due to sample matrix.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24602

FA1566-7 for Calcium: Sample dilution required due to sample matrix.
FA1566-3 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1566-7 for Cadmium: Sample dilution required due to sample matrix.
FA1566-3 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1566-3 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1566-3 for Barium: Elevated reporting limit(s) due to matrix interference.
FA1566-7 for Potassium: Sample dilution required due to sample matrix.
FA1566-7 for Selenium: Sample dilution required due to sample matrix.
FA1566-7 for Sodium: Sample dilution required due to sample matrix.
FA1566-7 for Thallium: Sample dilution required due to sample matrix.
FA1566-7 for Vanadium: Sample dilution required due to sample matrix.
FA1566-3 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1566-3 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1566-3 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1566-6 for Nickel: Sample dilution required due to sample matrix.
FA1566-6 for Aluminum: Sample dilution required due to sample matrix.
FA1566-6 for Antimony: Sample dilution required due to sample matrix.
FA1566-6 for Arsenic: Sample dilution required due to sample matrix.
FA1566-6 for Barium: Sample dilution required due to sample matrix.
FA1566-6 for Beryllium: Sample dilution required due to sample matrix.
FA1566-6 for Cadmium: Sample dilution required due to sample matrix.
FA1566-6 for Calcium: Sample dilution required due to sample matrix.
FA1566-6 for Chromium: Sample dilution required due to sample matrix.
FA1566-6 for Iron: Sample dilution required due to sample matrix.
FA1566-6 for Lead: Sample dilution required due to sample matrix.
FA1566-7 for Chromium: Sample dilution required due to sample matrix.
FA1566-6 for Manganese: Sample dilution required due to sample matrix.
FA1566-7 for Nickel: Sample dilution required due to sample matrix.
FA1566-6 for Potassium: Sample dilution required due to sample matrix.
FA1566-6 for Selenium: Sample dilution required due to sample matrix.
FA1566-6 for Sodium: Sample dilution required due to sample matrix.
FA1566-6 for Thallium: Sample dilution required due to sample matrix.
FA1566-6 for Vanadium: Sample dilution required due to sample matrix.
FA1566-7 for Aluminum: Sample dilution required due to sample matrix.
FA1566-7 for Antimony: Sample dilution required due to sample matrix.
FA1566-7 for Arsenic: Sample dilution required due to sample matrix.
FA1566-7 for Barium: Sample dilution required due to sample matrix.
FA1566-7 for Beryllium: Sample dilution required due to sample matrix.
FA1566-6 for Magnesium: Sample dilution required due to sample matrix.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54066

All method blanks for this batch meet method specific criteria.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1566-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA1566-1, FA1566-2. Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP20948

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) FA1566-2MS, FA1566-2MSD 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. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA1566-1 for Nitrogen, Nitrate: Dilution required due to matrix interference. Sample received outside the holding time.

FA1566-1 for Chloride: Dilution required due to matrix interference.

FA1566-2 for Nitrogen, Nitrate: Sample received outside the holding time.

Matrix: SO **Batch ID:** GP20984

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) FA1564-5MS, FA1564-5MSD were used as the QC samples for Fluoride, Nitrogen, Nitrate, Sulfate.

Matrix Spike Recovery(s) for Fluoride, Nitrogen, Nitrate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Matrix Spike Duplicate Recovery(s) for Fluoride, Nitrogen, Nitrate, Sulfate are outside control limits. Probable cause is due to matrix interference. Refer to lab control or spike blank for recovery information.

FA1566-3 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1566-4 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1566-5 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1566-5 for Fluoride: Dilution required due to matrix interference.

FA1566-6 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1566-7 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP20995

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) FA1446-4MS, FA1446-4MSD were used as the QC samples for Nitrogen, Ammonia.

Matrix: SO **Batch ID:** GP21023

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) FA1772-1MSD, FA1772-1MS were used as the QC samples for Nitrogen, Ammonia.

GP21023-S1 for Nitrogen, Ammonia: Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 351.2 M

Matrix: SO **Batch ID:** GP20970

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) FA1564-1MS, FA1564-1MSD were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP20943

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1564-6FDUP, FA1564-6FMS were used as the QC samples for Phosphate, Ortho.

The following samples were prepped outside of holding time for method EPA 365.3: FA1566-1F, FA1566-2. Sample received outside the holding time.

Matrix Spike Recovery(s) for Phosphate, Ortho are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Matrix: AQ **Batch ID:** GP20981

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1566-1DUP, FA1566-1MSD were used as the QC samples for Phosphorus, Total.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery 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 EPA 365.3M

Matrix: SO **Batch ID:** GP20998

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) FA1566-3DUP, FA1566-3MSD were used as the QC samples for Phosphorus, Total.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery 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:** GN54089

Sample(s) FA1566-1DUP was used as the QC sample for pH.

FA1566-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA1566-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54160

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1526-1DUP, FA1526-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54100

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1507-7DUP was used as the QC sample for Solids, Total Dissolved.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN54123

Sample(s) FA1566-3DUP, FA1566-4DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54306

Sample(s) FA1565-1DUP was used as the QC sample for pH.

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.

2

Narrative prepared by:

_____ Date: February 25, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1566
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/05/13 thru 02/06/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1566-1	**A-38-19**					
Fluoride		3020	200	60	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		4550	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved		18600	1000	100	mg/l	SM19 2540C
Specific Conductivity [a]		11300	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		4420	200	60	mg/l	EPA 300/SW846 9056A
pH [b]		2.39			su	SM 4500H B/SW 9040C
FA1566-1F	**A-38-19**					
Aluminum		1210000	1000	75	ug/l	SW846 6010C
Antimony [c]		16.1 J	30	6.5	ug/l	SW846 6010C
Arsenic [c]		350	50	13	ug/l	SW846 6010C
Cadmium [c]		4390	25	2.5	ug/l	SW846 6010C
Calcium		770000	5000	250	ug/l	SW846 6010C
Chromium [c]		3640	50	10	ug/l	SW846 6010C
Iron [c]		241000	1500	150	ug/l	SW846 6010C
Magnesium [c]		310000	25000	370	ug/l	SW846 6010C
Potassium		626000	250000	5000	ug/l	SW846 6010C
Selenium [c]		10.0 J	50	10	ug/l	SW846 6010C
Sodium		918000	250000	13000	ug/l	SW846 6010C
Phosphate, Ortho [a]		0.29	0.10	0.020	mg/l	EPA 365.3
FA1566-2	**WATER-EB-2/5/13**					
Antimony		1.4 J	6.0	1.3	ug/l	SW846 6010C
Calcium		62.8 J	1000	50	ug/l	SW846 6010C
Iron		36.2 J	300	29	ug/l	SW846 6010C
Selenium		2.1 J	10	2.0	ug/l	SW846 6010C
Fluoride		0.85	0.20	0.060	mg/l	EPA 300/SW846 9056A
Phosphate, Ortho [a]		0.14	0.10	0.020	mg/l	EPA 365.3
Specific Conductivity [a]		4.0	1.0	1.0	umhos/cm	EPA 120.1
pH [b]		5.06			su	SM 4500H B/SW 9040C
FA1566-3	**A-43 (0-1)**					
Aluminum [c]		9620	100	10	mg/kg	SW846 6010C
Arsenic [c]		4.5 J	5.2	0.84	mg/kg	SW846 6010C
Barium [c]		90.4 J	100	2.6	mg/kg	SW846 6010C
Beryllium [c]		0.36 J	2.6	0.26	mg/kg	SW846 6010C
Cadmium [c]		18.6	2.1	0.26	mg/kg	SW846 6010C
Calcium [c]		62200	2600	26	mg/kg	SW846 6010C
Chromium [c]		184	5.2	0.94	mg/kg	SW846 6010C
Iron [c]		11500	160	37	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1566
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/05/13 thru 02/06/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead [d]		18.4	5.2	0.29	mg/kg	SW846 6010C
Magnesium [c]		6130	2600	40	mg/kg	SW846 6010C
Manganese [c]		320	7.8	0.47	mg/kg	SW846 6010C
Nickel [c]		61.7	21	0.26	mg/kg	SW846 6010C
Potassium [c]		1810 J	5200	100	mg/kg	SW846 6010C
Selenium [c]		2.2 J	10	1.6	mg/kg	SW846 6010C
Sodium [c]		1660 J	5200	260	mg/kg	SW846 6010C
Vanadium [c]		239	26	0.26	mg/kg	SW846 6010C
Fluoride		94.3	5.9	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		86.1	1.4	0.30	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		613	23	9.1	mg/kg	EPA 351.2 M
Phosphorus, Total		27700	5900	900	mg/kg	EPA 365.3M
Sulfate		13300	590	180	mg/kg	EPA 300/SW846 9056A
pH		7.18			su	SW846 9045D
FA1566-4	**A-43 (1-2)**					
Aluminum [c]		9580	99	9.9	mg/kg	SW846 6010C
Antimony [c]		1.6 J	9.9	0.94	mg/kg	SW846 6010C
Arsenic [c]		7.2	5.0	0.79	mg/kg	SW846 6010C
Barium [c]		86.3 J	99	2.5	mg/kg	SW846 6010C
Beryllium [c]		0.43 J	2.5	0.25	mg/kg	SW846 6010C
Cadmium [c]		23.7	2.0	0.25	mg/kg	SW846 6010C
Calcium [c]		71300	2500	25	mg/kg	SW846 6010C
Chromium [c]		111	5.0	0.89	mg/kg	SW846 6010C
Iron [c]		10900	150	35	mg/kg	SW846 6010C
Lead [d]		98.3	5.0	0.27	mg/kg	SW846 6010C
Magnesium [c]		5460	2500	38	mg/kg	SW846 6010C
Manganese [c]		252	7.4	0.45	mg/kg	SW846 6010C
Nickel [c]		52.9	20	0.25	mg/kg	SW846 6010C
Potassium [c]		2260 J	5000	99	mg/kg	SW846 6010C
Selenium [c]		2.6 J	9.9	1.5	mg/kg	SW846 6010C
Sodium [c]		1690 J	5000	250	mg/kg	SW846 6010C
Vanadium [c]		163	25	0.25	mg/kg	SW846 6010C
Fluoride		79.6	5.8	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		35.9	1.3	0.29	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		942	57	23	mg/kg	EPA 351.2 M
Phosphorus, Total		19800	5800	890	mg/kg	EPA 365.3M
Sulfate		8260	230	69	mg/kg	EPA 300/SW846 9056A
pH		7.21			su	SW846 9045D
FA1566-5	**A-43 (4-5)**					
Aluminum [d]		10500	52	5.2	mg/kg	SW846 6010C
Arsenic [d]		4.1	2.6	0.42	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1566
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/05/13 thru 02/06/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Barium [d]	160	52	1.3	mg/kg	SW846 6010C
Beryllium [d]	0.54 J	1.3	0.13	mg/kg	SW846 6010C
Calcium [d]	76900	1300	13	mg/kg	SW846 6010C
Chromium [d]	14.2	2.6	0.47	mg/kg	SW846 6010C
Iron [d]	11900	79	18	mg/kg	SW846 6010C
Lead [d]	8.4	5.2	0.29	mg/kg	SW846 6010C
Magnesium [d]	8320	1300	20	mg/kg	SW846 6010C
Manganese [d]	729	3.9	0.24	mg/kg	SW846 6010C
Nickel [d]	12.6	10	0.13	mg/kg	SW846 6010C
Potassium [d]	1860 J	2600	52	mg/kg	SW846 6010C
Sodium [d]	320 J	2600	130	mg/kg	SW846 6010C
Vanadium [d]	19.3	13	0.13	mg/kg	SW846 6010C
Fluoride [e]	7.3	6.0	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	114	1.4	0.31	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	1180	63	25	mg/kg	EPA 351.2 M
Phosphorus, Total	1030	300	47	mg/kg	EPA 365.3M
Sulfate	363	120	36	mg/kg	EPA 300/SW846 9056A
pH	7.71			su	SW846 9045D
FA1566-6 A-43 (9-10)					
Aluminum [d]	25100	60	6.0	mg/kg	SW846 6010C
Arsenic [d]	4.7	3.0	0.48	mg/kg	SW846 6010C
Barium [d]	86.3	60	1.5	mg/kg	SW846 6010C
Beryllium [d]	1.1 J	1.5	0.15	mg/kg	SW846 6010C
Cadmium [d]	3.5	1.2	0.15	mg/kg	SW846 6010C
Calcium [d]	20000	1500	15	mg/kg	SW846 6010C
Chromium [d]	75.6	3.0	0.54	mg/kg	SW846 6010C
Iron [d]	13200	90	21	mg/kg	SW846 6010C
Lead [d]	8.3	6.0	0.33	mg/kg	SW846 6010C
Magnesium [d]	3530	1500	23	mg/kg	SW846 6010C
Manganese [d]	85.0	4.5	0.27	mg/kg	SW846 6010C
Nickel [d]	23.6	12	0.15	mg/kg	SW846 6010C
Potassium [d]	1800 J	3000	60	mg/kg	SW846 6010C
Sodium [d]	389 J	3000	150	mg/kg	SW846 6010C
Vanadium [d]	99.5	15	0.15	mg/kg	SW846 6010C
Fluoride	121	6.3	1.6	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	189	2.9	0.64	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	248	13	5.2	mg/kg	EPA 351.2 M
Phosphorus, Total	6470	1400	220	mg/kg	EPA 365.3M
Sulfate	13900	630	190	mg/kg	EPA 300/SW846 9056A
pH	4.80			su	SW846 9045D

Summary of Hits

Job Number: FA1566
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/05/13 thru 02/06/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1566-7	**A-101**					
Aluminum [d]		15900	55	5.5	mg/kg	SW846 6010C
Arsenic [d]		4.1	2.7	0.44	mg/kg	SW846 6010C
Barium [d]		88.3	55	1.4	mg/kg	SW846 6010C
Beryllium [d]		0.49 J	1.4	0.14	mg/kg	SW846 6010C
Cadmium [d]		5.3	1.1	0.14	mg/kg	SW846 6010C
Calcium [d]		24300	1400	14	mg/kg	SW846 6010C
Chromium [d]		59.4	2.7	0.49	mg/kg	SW846 6010C
Iron [d]		14500	82	19	mg/kg	SW846 6010C
Lead [d]		8.2	5.5	0.30	mg/kg	SW846 6010C
Magnesium [d]		3920	1400	21	mg/kg	SW846 6010C
Manganese [d]		73.6	4.1	0.25	mg/kg	SW846 6010C
Nickel [d]		27.0	11	0.14	mg/kg	SW846 6010C
Potassium [d]		2550 J	2700	55	mg/kg	SW846 6010C
Sodium [d]		508 J	2700	140	mg/kg	SW846 6010C
Vanadium [d]		87.4	14	0.14	mg/kg	SW846 6010C
Fluoride		119	6.4	1.6	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		197	3.0	0.67	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		414	13	5.3	mg/kg	EPA 351.2 M
Phosphorus, Total		6670	1600	250	mg/kg	EPA 365.3M
Sulfate		14800	640	190	mg/kg	EPA 300/SW846 9056A
pH		4.60			su	SW846 9045D

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-38-19		
Lab Sample ID:	FA1566-1	**Date Sampled:**	02/05/13
Matrix:	AQ - Water	**Date Received:**	02/08/13
		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	02/19/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/19/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/14/13 08:15	AC	SM19 2320B
Chloride [a]	80 U	200	80	mg/l	100	02/08/13 13:50	AA	EPA 300/SW846 9056A
Fluoride	3020	200	60	mg/l	1000	02/08/13 14:23	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	5.0 U	10	5.0	mg/l	100	02/08/13 13:50	AA	EPA 300/SW846 9056A
Phosphorus, Total	4550	1000	280	mg/l	10000	02/14/13 10:51	LE	EPA 365.3
Solids, Total Dissolved	18600	1000	100	mg/l	10	02/12/13 13:57	MG	SM19 2540C
Specific Conductivity [c]	11300	1.0	1.0	umhos/cm	1	02/08/13 14:20	LE	EPA 120.1
Sulfate	4420	200	60	mg/l	100	02/08/13 13:50	AA	EPA 300/SW846 9056A
pH [d]	2.39			su	1	02/08/13 15:00	LE	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Dilution required due to matrix interference. Sample received outside the holding 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-38-19		
Lab Sample ID:	FA1566-1F	**Date Sampled:**	02/05/13
Matrix:	AQ - Water Filtered	**Date Received:**	02/08/13
		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	1210000	1000	75	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	16.1 J	30	6.5	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	350	50	13	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	4390	25	2.5	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	770000	5000	250	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	3640	50	10	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron [a]	241000	1500	150	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium [a]	310000	25000	370	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	626000	250000	5000	ug/l	25	02/13/13	02/18/13	LM	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	10.0 J	50	10	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	918000	250000	13000	ug/l	25	02/13/13	02/18/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10537
(2) Instrument QC Batch: MA10541
(3) Prep QC Batch: MP24608

(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-38-19		
Lab Sample ID:	FA1566-1F	**Date Sampled:**	02/05/13
Matrix:	AQ - Water Filtered	**Date Received:**	02/08/13
		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]	0.29	0.10	0.020	mg/l	1	02/08/13 14:30	MG	EPA 365.3

(a) Sample received outside the holding 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:	WATER-EB-2/5/13		
Lab Sample ID:	FA1566-2	**Date Sampled:**	02/05/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/08/13
		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	15 U	200	15	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.4 J	6.0	1.3	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]
Calcium	62.8 J	1000	50	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]
Iron	36.2 J	300	29	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.1 J	10	2.0	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/11/13	02/12/13	DM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10528
(2) Prep QC Batch: MP24591

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:	WATER-EB-2/5/13		
Lab Sample ID:	FA1566-2	**Date Sampled:**	02/05/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/08/13
		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	02/19/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/19/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/14/13 08:15	AC	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	02/08/13 14:05	AA	EPA 300/SW846 9056A
Fluoride	0.85	0.20	0.060	mg/l	1	02/08/13 14:05	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	0.050 U	0.10	0.050	mg/l	1	02/08/13 14:05	AA	EPA 300/SW846 9056A
Phosphate, Ortho [a]	0.14	0.10	0.020	mg/l	1	02/08/13 14:30	MG	EPA 365.3
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/14/13 10:51	LE	EPA 365.3
Solids, Total Dissolved	10 U	100	10	mg/l	1	02/12/13 13:57	MG	SM19 2540C
Specific Conductivity [a]	4.0	1.0	1.0	umhos/cm	1	02/08/13 14:20	LE	EPA 120.1
Sulfate	0.60 U	2.0	0.60	mg/l	1	02/08/13 14:05	AA	EPA 300/SW846 9056A
pH [b]	5.06			su	1	02/08/13 15:00	LE	SM 4500H B/SW 9040C

(a) Sample received outside the holding time.
(b) 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-43 (0-1)
Lab Sample ID: FA1566-3 **Date Sampled:** 02/06/13
Matrix: SO - Soil **Date Received:** 02/08/13
Percent Solids: 85.4
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	9620	100	10	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	0.99 U	10	0.99	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	4.5 J	5.2	0.84	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	90.4 J	100	2.6	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.36 J	2.6	0.26	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	18.6	2.1	0.26	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	62200	2600	26	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	184	5.2	0.94	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	11500	160	37	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	18.4	5.2	0.29	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	6130	2600	40	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	320	7.8	0.47	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	61.7	21	0.26	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	1810 J	5200	100	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	2.2 J	10	1.6	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	1660 J	5200	260	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	9.4 U	21	9.4	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	239	26	0.26	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10530
(2) Instrument QC Batch: MA10533
(3) Prep QC Batch: MP24602

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-43 (0-1)		
Lab Sample ID:	FA1566-3	**Date Sampled:**	02/06/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	85.4
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	94.3	5.9	1.5	mg/kg	5	02/15/13 00:23	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	86.1	1.4	0.30	mg/kg	1	02/18/13 14:14	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	2.9 U	5.9	2.9	mg/kg	5	02/15/13 00:23	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	613	23	9.1	mg/kg	2	02/14/13 12:02	MG	EPA 351.2 M
Phosphorus, Total	27700	5900	900	mg/kg	100	02/18/13 11:43	LE	EPA 365.3M
Solids, Percent	85.4			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	13300	590	180	mg/kg	25	02/18/13 21:59	AA	EPA 300/SW846 9056A
pH	7.18			su	1	02/25/13 11:50	MG	SW846 9045D

(a) Dilution required 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-43 (1-2)
Lab Sample ID: FA1566-4
Matrix: SO - Soil
Date Sampled: 02/06/13
Date Received: 02/08/13
Percent Solids: 86.9
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	9580	99	9.9	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	1.6 J	9.9	0.94	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	7.2	5.0	0.79	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	86.3 J	99	2.5	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.43 J	2.5	0.25	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	23.7	2.0	0.25	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	71300	2500	25	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	111	5.0	0.89	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	10900	150	35	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	98.3	5.0	0.27	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	5460	2500	38	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	252	7.4	0.45	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	52.9	20	0.25	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	2260 J	5000	99	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	2.6 J	9.9	1.5	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	1690 J	5000	250	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	8.9 U	20	8.9	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	163	25	0.25	mg/kg	10	02/12/13	02/14/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10530
(2) Instrument QC Batch: MA10533
(3) Prep QC Batch: MP24602

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-43 (1-2)		
Lab Sample ID:	FA1566-4	**Date Sampled:**	02/06/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	86.9
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	79.6	5.8	1.4	mg/kg	5	02/15/13 00:39	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	35.9	1.3	0.29	mg/kg	1	02/18/13 14:15	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	2.9 U	5.8	2.9	mg/kg	5	02/15/13 00:39	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	942	57	23	mg/kg	5	02/14/13 12:06	MG	EPA 351.2 M
Phosphorus, Total	19800	5800	890	mg/kg	100	02/18/13 11:43	LE	EPA 365.3M
Solids, Percent	86.9			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	8260	230	69	mg/kg	10	02/15/13 20:21	AA	EPA 300/SW846 9056A
pH	7.21			su	1	02/25/13 11:50	MG	SW846 9045D

(a) Dilution required 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-43 (4-5)		
Lab Sample ID:	FA1566-5	**Date Sampled:**	02/06/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	82.9
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	10500	52	5.2	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.50 U	5.2	0.50	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.1	2.6	0.42	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	160	52	1.3	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.54 J	1.3	0.13	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	0.13 U	1.0	0.13	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	76900	1300	13	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	14.2	2.6	0.47	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	11900	79	18	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	8.4	5.2	0.29	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	8320	1300	20	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	729	3.9	0.24	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	12.6	10	0.13	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1860 J	2600	52	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.79 U	5.2	0.79	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	320 J	2600	130	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.47 U	2.6	0.47	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	19.3	13	0.13	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10530
(2) Prep QC Batch: MP24602

(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-43 (4-5)		
Lab Sample ID:	FA1566-5	**Date Sampled:**	02/06/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	82.9
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride [a]	7.3	6.0	1.5	mg/kg	5	02/15/13 01:43	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	114	1.4	0.31	mg/kg	1	02/18/13 14:16	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.0 U	6.0	3.0	mg/kg	5	02/15/13 01:43	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	1180	63	25	mg/kg	5	02/14/13 12:07	MG	EPA 351.2 M
Phosphorus, Total	1030	300	47	mg/kg	5	02/18/13 11:43	LE	EPA 365.3M
Solids, Percent	82.9			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	363	120	36	mg/kg	5	02/15/13 01:43	AA	EPA 300/SW846 9056A
pH	7.71			su	1	02/25/13 11:50	MG	SW846 9045D

(a) Dilution required 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-43 (9-10)
Lab Sample ID: FA1566-6
Matrix: SO - Soil
Date Sampled: 02/06/13
Date Received: 02/08/13
Percent Solids: 79.9
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	25100	60	6.0	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.57 U	6.0	0.57	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.7	3.0	0.48	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	86.3	60	1.5	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	1.1 J	1.5	0.15	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	3.5	1.2	0.15	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	20000	1500	15	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	75.6	3.0	0.54	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	13200	90	21	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	8.3	6.0	0.33	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	3530	1500	23	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	85.0	4.5	0.27	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	23.6	12	0.15	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1800 J	3000	60	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.90 U	6.0	0.90	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	389 J	3000	150	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.54 U	3.0	0.54	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	99.5	15	0.15	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10530
(2) Prep QC Batch: MP24602

(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-43 (9-10)		
Lab Sample ID:	FA1566-6	**Date Sampled:**	02/06/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	79.9
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	121	6.3	1.6	mg/kg	5	02/15/13 01:58	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	189	2.9	0.64	mg/kg	2	02/21/13 14:35	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.1 U	6.3	3.1	mg/kg	5	02/15/13 01:58	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	248	13	5.2	mg/kg	1	02/14/13 11:55	MG	EPA 351.2 M
Phosphorus, Total	6470	1400	220	mg/kg	25	02/18/13 11:43	LE	EPA 365.3M
Solids, Percent	79.9			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	13900	630	190	mg/kg	25	02/15/13 20:37	AA	EPA 300/SW846 9056A
pH	4.80			su	1	02/25/13 11:50	MG	SW846 9045D

(a) Dilution required 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-101
Lab Sample ID: FA1566-7
Matrix: SO - Soil
Date Sampled: 02/06/13
Date Received: 02/08/13
Percent Solids: 77.7
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	15900	55	5.5	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.52 U	5.5	0.52	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.1	2.7	0.44	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	88.3	55	1.4	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.49 J	1.4	0.14	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	5.3	1.1	0.14	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	24300	1400	14	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	59.4	2.7	0.49	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	14500	82	19	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	8.2	5.5	0.30	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	3920	1400	21	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	73.6	4.1	0.25	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	27.0	11	0.14	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	2550 J	2700	55	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.82 U	5.5	0.82	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	508 J	2700	140	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.49 U	2.7	0.49	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	87.4	14	0.14	mg/kg	5	02/12/13	02/13/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10530
(2) Prep QC Batch: MP24602

(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-101		
Lab Sample ID:	FA1566-7	**Date Sampled:**	02/06/13
Matrix:	SO - Soil	**Date Received:**	02/08/13
		Percent Solids:	77.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	119	6.4	1.6	mg/kg	5	02/15/13 02:14	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	197	3.0	0.67	mg/kg	2	02/21/13 14:36	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.2 U	6.4	3.2	mg/kg	5	02/15/13 02:14	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	414	13	5.3	mg/kg	1	02/14/13 11:56	MG	EPA 351.2 M
Phosphorus, Total	6670	1600	250	mg/kg	25	02/18/13 11:43	LE	EPA 365.3M
Solids, Percent	77.7			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	14800	640	190	mg/kg	25	02/18/13 22:14	AA	EPA 300/SW846 9056A
pH	4.60			su	1	02/25/13 11:50	MG	SW846 9045D

(a) Dilution required due to matrix interference.

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

CHAIN OF CUSTODY RECORD

Page 1 of 1

Nº 02992

FA1566

Project Number: 36785-01

Site and Location: AGRIUM SODA SPRINGS

Contact Name: TIM.HUFF@WSPGROUP.COM

Contact Email:

Sampler's Name: STEVEN DAWSON

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification: (B)	Depth	Date	Time	Matrix	Number of Containers	ANIONS & GENERAL CHEM.	DISSOLVED METALS	DISSOLVED SECONDARY PHOSPHORUS	TOTAL METALS	TOTAL ORTHOPHOSPHATE	METALS *	TKN TOTAL KJELDAHL NITROGEN	pH	AMMONIA	Remarks
1	A-38-~~(2/5/13)~~ 19		2/5/13	1330	AQ	4	1	1	1	1					1	RENAME A-38-19 (B)
2	WATER-EB-(2/5/13		2/5/13	1600	AQ	4	1			1	1	1			1	(B)
3	A-43 (0-1)	0-1	2/6/13	1230	S	1	1			1			1	1	1	(0-1)
4	A-43 (1-2)	1-2'	2/6/13	1231	S	1	1			1			1	1	1	
5	A-43 (4-5)	4-5'	2/6/13	1232	S	1	1			1			1	1	1	* METALS: Al, ANTIMONY, ARSENIC
6	A-43 (9-10)	9-10'	2/6/13	1233	S	1	1			1			1	1	1	Ba, Be, Cd, Ca, Cr, Fe, Pb, Mg,
7	A-101		2/6/13	1240	S	1	1			1			1	1	1	MANGANESE, Ni, K, Na, SELENIUM,
																THALLIUM, VANADIUM
																GEN CHEM INCLUDES FLUORIDE,
																NITRATE & SULFATE
																(B) ALSO RUN: TDS, Cl, Fl, NITRATE AS N,
																SULFATE; BICARBONATE & CARBONATE
																ALKALINITY AS $CaCO_3$; SPECIFIC CONDUCTANCE

Relinquished by (Signature):	2/6/13 1400 Date / Time	Received by (Signature): FX	Laboratory Name: ACCUTEST
Relinquished by (Signature): FX	2-8-13 Date / Time	Received by (Signature): J. Cooper (ALSE) 09:30	Laboratory Location: ORLANDO FL
Turn-Around Time: STD		Tracking Number: 8013 5708 4053	Custody Seal Numbers: 01670
			Method of Shipment: FEDEX

WSP
WSP Environment & Energy

2-8

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA1566: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1566 CLIENT: WSP PROJECT: 36785-01

DATE/TIME RECEIVED: 2-8-13 09:30 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8013 5708 4053

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_____ CORR. FACTOR_____
- [ ] OBSERVED TEMPS:_____
- [ ] CORRECTED TEMPS:_____

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 JC 2-8-13 REVIEWER SIGNATURE/DATE [signature] 02/08/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA1566: Chain of Custody
Page 2 of 3

Job Change Order: FA1566_2/19/2013

Requested Date:	2/19/2013	**Received Date:**	2/8/2013
Account Name:	WSP Environment & Energy	**Due Date:**	2/22/2013
Project Description:	Nu-West Conda Phosphate Operations, 3010	**Deliverable:**	REDT1
CSR:	AC	**TAT (Days):**	2

Sample #:
FA1566-1F

Change: Please rerun the sample out of hold time and at dilution for OPO4.

A-38-19

Above Changes Tim Huff **Date:** 2/19/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

FA1566: Chain of Custody
Page 3 of 3

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:23	MA10528-STD1	1		STDA
07:26	MA10528-STD2	1		STDB
07:30	MA10528-STD3	1		STDC
07:33	MA10528-STD4	1		STDD
07:37	MA10528-HSTD1	1		
07:41	MA10528-ICV1	1		
07:47	MA10528-ICB1	1		
07:51	MA10528-CRIA1	1		
08:00	MA10528-ICSA1	1		
08:07	MA10528-ICSAB1	1		
08:12	MA10528-CCV1	1		
08:18	MA10528-CCB1	1		
08:23	ZZZZZZ	10		
08:27	ZZZZZZ	10		
08:31	ZZZZZZ	10		
08:36	ZZZZZZ	2		
08:40	MP24591-MB1	1		
08:45	MP24591-B1	1		
08:49	FA1589-1	1		(sample used for QC only; not part of login FA1566)
08:54	MP24591-D1	1		
08:58	MP24591-SD1	5		
09:03	MP24591-PS1	1		
09:07	MA10528-CCV2	1		
09:11	MA10528-CCB2	1		
09:30	MA10528-CCV3	1		
09:35	MA10528-CCB3	1		
09:39	MP24591-S1	1		
09:43	MP24591-S2	1		
09:47	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	ZZZZZZ	1		
10:01	ZZZZZZ	1		
10:05	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	10:10	ZZZZZZ	1		
	10:14	ZZZZZZ	1		
	10:19	ZZZZZZ	1		
	10:23	MA10528-CCV4	1		
	10:27	MA10528-CCB4	1		
	10:32	ZZZZZZ	1		
	10:37	ZZZZZZ	1		
	10:41	ZZZZZZ	1		
	10:45	ZZZZZZ	1		
	10:50	ZZZZZZ	1		
	10:54	ZZZZZZ	1		
	10:59	ZZZZZZ	1		
	11:04	ZZZZZZ	1		
	11:08	ZZZZZZ	1		
	11:13	ZZZZZZ	1		
	11:32	MA10528-CCV5	1		
	11:36	MA10528-CCB5	1		
	11:54	MA10528-CCV6	1		
	11:58	MA10528-CCB6	1		
	12:02	FA1566-2	1		
---------->	Last reportable sample/prep for job FA1566				
	12:06	MP24594-MB1	1		
	12:11	MP24594-B1	1		
	12:15	FA1567-2	1		(sample used for QC only; not part of login FA1566)
	12:20	MP24594-D1	1		
	12:25	MP24594-SD1	5		
	12:29	MP24594-S1	1		
	12:34	MP24594-S2	1		
	12:38	ZZZZZZ	1		
	12:42	ZZZZZZ	1		
	12:47	MA10528-CCV7	1		
	12:51	MA10528-CCB7	1		
	12:56	ZZZZZZ	1		
	13:00	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:05	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:19	MP24594-MB2	1		
13:24	MP24594-B2	1		
13:28	MP24594-MB3	1		
13:33	MP24594-B3	1		
13:37	MP24600-MB1	1		
13:42	MA10528-CCV8	1		
13:46	MA10528-CCB8	1		
13:51	MP24600-B1	1		
13:55	FA1605-1	1		(sample used for QC only; not part of login FA1566)
13:59	MP24600-D1	1		
14:04	MP24600-SD1	5		
14:08	MP24600-PS1	1		
14:13	MP24600-S1	1		
14:17	MP24600-S2	1		
14:21	ZZZZZZ	1		
14:26	ZZZZZZ	2		
14:31	ZZZZZZ	1		
14:35	MA10528-CCV9	1		
14:39	MA10528-CCB9	1		
14:44	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:53	MA10528-CRIA2	1		
14:58	MA10528-ICSA2	1		
15:03	MA10528-ICSAB2	1		
15:07	MA10528-CCV10	1		
15:11	MA10528-CCB10	1		

----------> Last reportable CCB for job FA1566
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:23	MA10528-STD1	1934	18135	6161	1225
07:26	MA10528-STD2	1894	17534	6087	1135
07:30	MA10528-STD3	1822	16780	5904	1021
07:33	MA10528-STD4	1738	16113	5767	929
07:37	MA10528-HSTD1	1740	16097	5822	921
07:41	MA10528-ICV1	1803	16585	5914	1003
07:47	MA10528-ICB1	1921 R	17530 R	5897 R	1216 R
07:51	MA10528-CRIA1	1882	17074	5880	1149
08:00	MA10528-ICSA1	1653	14324	5462	867
08:07	MA10528-ICSAB1	1646	14428	5504	849
08:12	MA10528-CCV1	1825	16121	5724	1006
08:18	MA10528-CCB1	1926	17265	5836	1206
08:23	ZZZZZZ	2162	19287	6871	1027
08:27	ZZZZZZ	2356	21409	7824 !	963
08:31	ZZZZZZ	2200	20674	7494 !	997
08:36	ZZZZZZ	1839	16907	6339	937
08:40	MP24591-MB1	1825	17326	6117	1178
08:45	MP24591-B1	1747	16346	5964	1032
08:49	FA1589-1	1748	16704	6081	1101
08:54	MP24591-D1	1755	16789	6110	1103
08:58	MP24591-SD1	1824	17162	6089	1159
09:03	MP24591-PS1	1745	16582	6029	1070
09:07	MA10528-CCV2	1727	16076	5921	975
09:11	MA10528-CCB2	1844	17247	6090	1177
09:30	MA10528-CCV3	1727	16020	5925	969
09:35	MA10528-CCB3	1854	17189	5993	1184
09:39	MP24591-S1	1725	16055	5924	1006
09:43	MP24591-S2	1740	16308	6014	1007
09:47	ZZZZZZ	1741	16456	5984	1061
09:52	ZZZZZZ	1791	16935	6047	1125
09:56	ZZZZZZ	1622	15126	5839	943
10:01	ZZZZZZ	1604	15214	5964	986
10:05	ZZZZZZ	1618	15009	5813	943

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:10	ZZZZZZ	1596	15153	5873	970
10:14	ZZZZZZ	1691	16153	5931	1031
10:19	ZZZZZZ	1724	16291	6001	1055
10:23	MA10528-CCV4	1704	15872	5878	969
10:27	MA10528-CCB4	1825	17192	6069	1176
10:32	ZZZZZZ	1717	16246	5920	1047
10:37	ZZZZZZ	1720	16244	5915	1060
10:41	ZZZZZZ	1697	16108	5956	1025
10:45	ZZZZZZ	1780	16922	6058	1123
10:50	ZZZZZZ	1803	17070	6100	1135
10:54	ZZZZZZ	1779	16860	6042	1128
10:59	ZZZZZZ	1763	16875	6040	1088
11:04	ZZZZZZ	1793	17166	6128	1130
11:08	ZZZZZZ	1465	15749	5898	1061
11:13	ZZZZZZ	1592	16735	6214	1108
11:32	MA10528-CCV5	1809	16461	5946	994
11:36	MA10528-CCB5	1912	17487	5958	1197
11:54	MA10528-CCV6	1779	16316	5837	983
11:58	MA10528-CCB6	1888	17384	5903	1191
12:02	FA1566-2	1882	17634	5984	1197
12:06	MP24594-MB1	1874	17660	5942	1190
12:11	MP24594-B1	1807	16680	5941	1042
12:15	FA1567-2	1732	16076	5886	1006
12:20	MP24594-D1	1710	16009	5917	999
12:25	MP24594-SD1	1805	16993	5937	1111
12:29	MP24594-S1	1672	15948	5935	943
12:34	MP24594-S2	1678	15955	5943	945
12:38	ZZZZZZ	1823	16836	6085	948
12:42	ZZZZZZ	1652	15710	5823	971
12:47	MA10528-CCV7	1732	16259	5852	981
12:51	MA10528-CCB7	1832	17574	6056	1175
12:56	ZZZZZZ	1658	15756	5843	967
13:00	ZZZZZZ	1659	15858	5851	970

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
Analyst: DM Run ID: MA10528
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	ZZZZZZ	1678	16036	5881	996
13:10	ZZZZZZ	1656	16043	5983	972
13:15	ZZZZZZ	1639	15769	5926	966
13:19	MP24594-MB2	1663	15978	5923	999
13:24	MP24594-B2	1650	16001	5886	947
13:28	MP24594-MB3	1781	17669	6106	1165
13:33	MP24594-B3	1725	16624	5969	1019
13:37	MP24600-MB1	1808	17313	6086	1175
13:42	MA10528-CCV8	1699	16417	5845	969
13:46	MA10528-CCB8	1802	17599	5968	1174
13:51	MP24600-B1	1719	16549	5850	1020
13:55	FA1605-1	1666	16165	5848	997
13:59	MP24600-D1	1672	16246	5845	1003
14:04	MP24600-SD1	1758	16969	5909	1103
14:08	MP24600-PS1	1664	16142	5769	982
14:13	MP24600-S1	1654	15558	5821	935
14:17	MP24600-S2	1654	16010	5852	945
14:21	ZZZZZZ	1586	16808	5961	1071
14:26	ZZZZZZ	1104	16428	5864	1061
14:31	ZZZZZZ	1531	16815	5955	1068
14:35	MA10528-CCV9	1696	16379	5927	965
14:39	MA10528-CCB9	1826	17499	5930	1183
14:44	ZZZZZZ	1293	16652	5938	1052
14:49	ZZZZZZ	1569	16373	5863	1028
14:53	MA10528-CRIA2	1760	16978	5891	1105
14:58	MA10528-ICSA2	1540	14404	5494	830
15:03	MA10528-ICSAB2	1537	14289	5440	820
15:07	MA10528-CCV10	1699	16321	5805	965
15:11	MA10528-CCB10	1800	17415	5817	1168

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10528 Units: ug/l

Time:			07:47		08:18		09:11		09:35	
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	1.0	<200	7.2	<200
Antimony	6.0	1.3	-0.60	<6.0	-1.8	<6.0	-2.0	<6.0	0.90	<6.0
Arsenic	10	1.6	1.1	<10	0.20	<10	0.30	<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	0.0	<5.0	0.0	<5.0
Calcium	1000	50	8.8	<1000	8.7	<1000	5.8	<1000	6.9	<1000
Chromium	10	1.8	0.0	<10	0.10	<10	0.20	<10	0.70	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	8.4	<300	10.4	<300	5.6	<300	11.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-32	<5000	-8.7	<5000	-17	<5000	-6.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	17.0	<10000	12.2	<10000	-2.8	<10000	6.3	<10000
Selenium	10	2	1.2	<10	-0.20	<10	0.0	<10	0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	4.3	<10000	3.0	<10000	6.3	<10000	5.9	<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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10528 Units: ug/l

Time:			10:27		11:36		11:58		12:51	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.7	<200	-12	<200	0.80	<200	3.0	<200
Antimony	6.0	1.3	-0.30	<6.0	-1.0	<6.0	1.1	<6.0	0.40	<6.0
Arsenic	10	1.6	0.60	<10	2.0	<10	-0.10	<10	0.40	<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	4.9	<1000	4.6	<1000	5.9	<1000	6.4	<1000
Chromium	10	1.8	0.0	<10	0.20	<10	0.0	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	13.9	<300	7.0	<300	16.3	<300	15.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.1	<5000	-6.0	<5000	13.7	<5000	8.0	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	33.5	<10000	23.9	<10000	40.1	<10000	43.7	<10000
Selenium	10	2	1.4	<10	1.9	<10	-1.1	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	12.3	<10000	-0.70	<10000	9.7	<10000	20.8	<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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10528 Units: ug/l

Time:			13:46		14:39		15:11	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	1.6	<200	-2.5	<200	0.40	<200
Antimony	6.0	1.3	0.20	<6.0	0.70	<6.0	0.40	<6.0
Arsenic	10	1.6	-0.80	<10	0.0	<10	0.90	<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
Calcium	1000	50	6.8	<1000	4.8	<1000	10.0	<1000
Chromium	10	1.8	0.10	<10	0.40	<10	0.10	<10
Cobalt	50	.5						
Copper	25	1	anr					
Iron	300	29	15.0	<300	11.4	<300	13.9	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	7.3	<5000	0.10	<5000	1.8	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	46.3	<10000	21.0	<10000	33.2	<10000
Selenium	10	2	-0.10	<10	1.2	<10	1.0	<10
Silver	10	.5	anr					
Sodium	10000	500	13.8	<10000	5.9	<10000	5.9	<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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10528 Units: ug/l

Time:		07:41			08:12			09:07	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	40300	100.8	40000	41600	104.0
Antimony	2000	2030	101.5	2000	1990	99.5	2000	2120	106.0
Arsenic	2000	1980	99.0	2000	1990	99.5	2000	2090	104.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2030	101.5	2000	2080	104.0
Calcium	40000	42900	107.3	40000	42500	106.3	40000	40200	100.5
Chromium	2000	2050	102.5	2000	2110	105.5	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	40000	42100	105.3	40000	42200	105.5	40000	41200	103.0
Lead	anr								
Magnesium	40000	41600	104.0	40000	42000	105.0	40000	40600	101.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42200	105.5	40000	40700	101.8	40000	43000	107.5
Selenium	2000	2060	103.0	2000	1970	98.5	2000	2120	106.0
Silver	anr								
Sodium	40000	38600	96.5	40000	40600	101.5	40000	43300	108.3
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10528 Units: ug/l

Time:		09:30			10:23			11:32	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	40600	101.5	40000	32700	81.8*(a)
Antimony	2000	1990	99.5	2000	2040	102.0	2000	1920	96.0
Arsenic	2000	1990	99.5	2000	2020	101.0	2000	1940	97.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2040	102.0	2000	2020	101.0
Calcium	40000	40600	101.5	40000	40700	101.8	40000	43000	107.5
Chromium	2000	2050	102.5	2000	2070	103.5	2000	2080	104.0
Cobalt									
Copper	anr								
Iron	40000	40900	102.3	40000	41300	103.3	40000	41300	103.3
Lead	anr								
Magnesium	40000	40100	100.3	40000	40600	101.5	40000	41300	103.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39900	99.8	40000	41200	103.0	40000	39000	97.5
Selenium	2000	2000	100.0	2000	2040	102.0	2000	1930	96.5
Silver	anr								
Sodium	40000	39900	99.8	40000	41200	103.0	40000	38600	96.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Al_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10528 Units: ug/l

Time:		11:54			12:47			13:42	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39800	99.5	40000	39400	98.5
Antimony	2000	1990	99.5	2000	2050	102.5	2000	2090	104.5
Arsenic	2000	2000	100.0	2000	2030	101.5	2000	2070	103.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2040	102.0	2000	2080	104.0
Calcium	40000	40100	100.3	40000	39000	97.5	40000	39100	97.8
Chromium	2000	2050	102.5	2000	2020	101.0	2000	2020	101.0
Cobalt									
Copper	anr								
Iron	40000	40400	101.0	40000	40300	100.8	40000	40400	101.0
Lead	anr								
Magnesium	40000	39700	99.3	40000	38900	97.3	40000	38800	97.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39600	99.0	40000	40400	101.0	40000	40400	101.0
Selenium	2000	2000	100.0	2000	2070	103.5	2000	2100	105.0
Silver	anr								
Sodium	40000	39500	98.8	40000	40600	101.5	40000	40600	101.5
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10528 Units: ug/l

Time:		14:35			15:07	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39200	98.0
Antimony	2000	2100	105.0	2000	2080	104.0
Arsenic	2000	2090	104.5	2000	2070	103.5
Barium	anr					
Beryllium	anr					
Cadmium	2000	2090	104.5	2000	2090	104.5
Calcium	40000	38600	96.5	40000	39100	97.8
Chromium	2000	2010	100.5	2000	2040	102.0
Cobalt						
Copper	anr					
Iron	40000	39900	99.8	40000	40300	100.8
Lead	anr					
Magnesium	40000	38400	96.0	40000	38700	96.8
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	41000	102.5	40000	40300	100.8
Selenium	2000	2110	105.5	2000	2110	105.5
Silver	anr					
Sodium	40000	41400	103.5	40000	40500	101.3
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10528 Units: ug/l

Time:		07:37	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80900	101.1
Antimony	4000	4030	100.8
Arsenic	4000	4040	101.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3980	99.5
Calcium	80000	80900	101.1
Chromium	4000	3980	99.5
Cobalt			
Copper	anr		
Iron	80000	79600	99.5
Lead	anr		
Magnesium	80000	81200	101.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	81600	102.0
Selenium	4000	4030	100.8
Silver	anr		
Sodium	80000	81800	102.3
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10528 Units: ug/l

Time:			07:51		14:53	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	210	105.0	199	99.5
Antimony	10	5.0	4.6	92.0	5.6	112.0
Arsenic	20	10	11.5	115.0	11.0	110.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.4	108.0	5.5	110.0
Calcium	2000	1000	1060	106.0	1020	102.0
Chromium	20	10	10.5	105.0	10.1	101.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	324	108.0	318	106.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5060	101.2	4950	99.0
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10200	102.0	10500	105.0
Selenium	20	10	11.0	110.0	10.7	107.0
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	10600	106.0
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021213M1.ICP Date Analyzed: 02/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10528 Units: ug/l

Time:			08:00		08:07		14:58		15:03	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	516000	103.2	516000	103.2	515000	103.0	523000	104.6
Antimony		1000	0.0		1030	103.0	5.1		1080	108.0
Arsenic		1000	0.0		1020	102.0	-1.6		1070	107.0
Barium		500	-0.50		481	96.2	0.10		512	102.4
Beryllium		500	-0.20		477	95.4	0.0		479	95.8
Cadmium		1000	0.0		855	85.5	1.8		893	89.3
Calcium	500000	500000	496000	99.2	501000	100.2	479000	95.8	483000	96.6
Chromium		500	-0.10		449	89.8	-0.20		452	90.4
Cobalt		500	-1.2		420	84.0	-1.3		448	89.6
Copper		500	-0.80		525	105.0	1.6		519	103.8
Iron	200000	200000	188000	94.0	183000	91.5	187000	93.5	184000	92.0
Lead		1000	0.0		864	86.4	2.6		863	86.3
Magnesium	500000	500000	529000	105.8	532000	106.4	510000	102.0	514000	102.8
Manganese		500	0.0		469	93.8	-3.7		460	92.0
Molybdenum		1000	0.30		963	96.3	0.20		1000	100.0
Nickel		1000	-0.70		842	84.2	-0.60		873	87.3
Potassium			5.3		-13		49.6		141	
Selenium		1000	1.6		998	99.8	-0.20		1050	105.0
Silver		1000	0.0		987	98.7	-0.30		987	98.7
Sodium			73.0		87.0		101		248	
Strontium		1000	4.1		1080	108.0	4.2		1060	106.0
Thallium		1000	0.0		943	94.3	3.6		901	90.1
Tin		1000	1.1		919	91.9	1.0		911	91.1
Titanium		1000	-3.0		1060	106.0	-3.0		1040	104.0
Vanadium		500	0.0		478	95.6	0.40		462	92.4
Zinc		1000	0.60		869	86.9	3.1		893	89.3

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:40	MA10530-STD1	1		STDA
07:44	MA10530-STD2	1		STDB
07:48	MA10530-STD3	1		STDC
07:52	MA10530-STD4	1		STDD
07:56	MA10530-HSTD1	1		
08:03	MA10530-ICV1	1		
08:09	MA10530-ICB1	1		
08:15	MA10530-CRIA1	1		
08:24	MA10530-ICSA1	1		
08:32	MA10530-ICSAB1	1		
08:41	MA10530-CCV1	1		
08:50	MA10530-CCB1	1		
08:54	MP24602-MB1	1		
08:58	MP24602-B1	1		
09:02	FA1575-2	1		(sample used for QC only; not part of login FA1566)
09:06	MP24602-D1	1		
09:11	MP24602-SD1	5		
09:15	MP24602-PS1	1		
09:19	MP24602-S1	1		
09:23	MP24602-S2	1		
09:27	ZZZZZZ	1		
09:31	ZZZZZZ	1		
09:35	MA10530-CCV2	1		
09:39	MA10530-CCB2	1		
09:44	ZZZZZZ	1		
09:48	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	ZZZZZZ	1		
10:00	FA1566-3	5		
10:04	FA1566-4	5		
10:09	FA1566-5	5		
10:13	FA1566-6	5		
10:17	FA1566-7	5		

----------> Last reportable sample/prep for job FA1566

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:21	ZZZZZZ	1		
10:25	MA10530-CCV3	1		
10:29	MA10530-CCB3	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		
11:03	ZZZZZZ	4		
11:07	ZZZZZZ	4		
11:11	ZZZZZZ	1		
11:15	MA10530-CCV4	1		
11:19	MA10530-CCB4	1		
12:58	MA10530-CCV5	1		
13:02	MA10530-CCB5	1		
13:11	MP24606-MB1	1		
13:15	MP24606-B1	1		
13:19	FA1651-13	1		(sample used for QC only; not part of login FA1566)
13:23	MP24606-D1	1		
13:28	MP24606-SD1	5		
13:32	MP24606-PS1	1		
13:36	MP24606-S1	1		
13:40	MP24606-S2	1		
13:44	ZZZZZZ	1		
13:48	MA10530-CCV6	1		
13:52	MA10530-CCB6	1		
14:25	MA10530-CCV7	1		
14:33	MA10530-CCB7	1		
14:38	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:47	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:51	ZZZZZZ	1		
14:55	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:12	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:20	MA10530-CCV8	1		
15:24	MA10530-CCB8	1		
15:29	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:59	MP24606-MB2A	1		
16:12	MA10530-CCV9	1		
16:15	MA10530-CCB9	1		
20:28	MA10530-CCV10	1		
20:32	MA10530-CCB10	1		
20:58	MA10530-CRIA2	1		
21:03	MA10530-ICSA2	1		
21:07	MA10530-ICSAB2	1		
21:11	MA10530-CCV11	1		
21:15	MA10530-CCB11	1		

----------> Last reportable CCB for job FA1566
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:40	MA10530-STD1	4329	34211	6072	2235
07:44	MA10530-STD2	4331	33882	6114	2105
07:48	MA10530-STD3	4171	32322	6011	1907
07:52	MA10530-STD4	3888	31144	5890	1729
07:56	MA10530-HSTD1	3930	31393	5910	1748
08:03	MA10530-ICV1	4101	32537	5971	1892
08:09	MA10530-ICB1	4298 R	34153 R	6035 R	2238 R
08:15	MA10530-CRIA1	4259	34211	6087	2162
08:24	MA10530-ICSA1	3738	28884	5784	1649
08:32	MA10530-ICSAB1	3677	28648	5706	1621
08:41	MA10530-CCV1	3975	32208	5985	1872
08:50	MA10530-CCB1	4231	34337	6107	2212
08:54	MP24602-MB1	4159	33797	5993	2161
08:58	MP24602-B1	4005	32231	5935	1942
09:02	FA1575-2	4180	33868	6074	2094
09:06	MP24602-D1	4222	34143	6117	2115
09:11	MP24602-SD1	4269	34632	6149	2205
09:15	MP24602-PS1	4184	33552	6071	2031
09:19	MP24602-S1	4029	32403	5955	1908
09:23	MP24602-S2	3982	32148	5844	1889
09:27	ZZZZZZ	4231	34113	6104	2116
09:31	ZZZZZZ	4265	34397	6138	2116
09:35	MA10530-CCV2	4070	32420	5986	1892
09:39	MA10530-CCB2	4235	33908	6036	2207
09:44	ZZZZZZ	4180	33781	6006	2131
09:48	ZZZZZZ	4478	34967	6489	1963
09:52	ZZZZZZ	4599	36298	6642	1993
09:56	ZZZZZZ	4827	37785	7020	1940
10:00	FA1566-3	5896 !	46932 !	8875 !	1840
10:04	FA1566-4	6412 !	50368 !	9654 !	1806
10:09	FA1566-5	4380	34479	6593	1846
10:13	FA1566-6	4643	36494	6790	1969
10:17	FA1566-7	4585	36135	6710	1939

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:21	ZZZZZZ	4200	33777	5955	2147
10:25	MA10530-CCV3	4054	32172	5944	1884
10:29	MA10530-CCB3	4258	33807	5956	2206
10:33	ZZZZZZ	4143	33134	5952	2060
10:37	ZZZZZZ	4200	33662	6030	2122
10:42	ZZZZZZ	4176	32994	5880	2103
10:46	ZZZZZZ	4233	33415	5976	2143
10:50	ZZZZZZ	4258	33773	5990	2174
10:54	ZZZZZZ	4193	32757	5837	2132
10:58	ZZZZZZ	4178	33232	5911	2112
11:03	ZZZZZZ	4095	32540	5995	2022
11:07	ZZZZZZ	4062	32216	5920	2004
11:11	ZZZZZZ	4222	33650	5914	2181
11:15	MA10530-CCV4	4054	31968	5909	1880
11:19	MA10530-CCB4	4282	33746	5976	2209
12:58	MA10530-CCV5	4157	31524	5944	1888
13:02	MA10530-CCB5	4360	33236	5953	2211
13:11	MP24606-MB1	4337	33204	5975	2186
13:15	MP24606-B1	4180	31630	5924	1955
13:19	FA1651-13	4237	32086	5999	2004
13:23	MP24606-D1	4239	31952	6002	2012
13:28	MP24606-SD1	4353	32857	5951	2155
13:32	MP24606-PS1	4226	31962	5991	1979
13:36	MP24606-S1	4180	31477	6004	1898
13:40	MP24606-S2	4145	31151	5915	1876
13:44	ZZZZZZ	4667	35133	6511	2088
13:48	MA10530-CCV6	4166	31311	5910	1878
13:52	MA10530-CCB6	4413	33133	5975	2210
14:25	MA10530-CCV7	4135	31444	5928	1878
14:33	MA10530-CCB7	4360	33040	5933	2202
14:38	ZZZZZZ	4342	33279	6124	2139
14:42	ZZZZZZ	4367	33341	6095	2169
14:47	ZZZZZZ	6443 !	48975 !	9112 !	2054

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:51	ZZZZZZ	4308	33032	6006	2162
14:55	ZZZZZZ	13652 !	104000 !	19474 !	1973
14:59	ZZZZZZ	4342	33222	6070	2138
15:03	ZZZZZZ	4377	33378	6127	2148
15:08	ZZZZZZ	4498	34088	6321	2100
15:12	ZZZZZZ	4072	31272	5947	1965
15:16	ZZZZZZ	4146	31813	6032	2013
15:20	MA10530-CCV8	4142	31420	6026	1882
15:24	MA10530-CCB8	4341	33333	6007	2206
15:29	ZZZZZZ	4065	31305	5926	1975
15:33	ZZZZZZ	4101	31328	5900	1990
15:37	ZZZZZZ	4389	33504	6104	2209
15:42	ZZZZZZ	4224	31711	6003	2013
15:46	ZZZZZZ	4140	31328	5954	1957
15:50	ZZZZZZ	4339	33121	6024	2192
15:54	ZZZZZZ	4373	33279	5982	2200
15:59	MP24606-MB2A	4390	33265	6053	2185
16:12	MA10530-CCV9	4148	31329	5926	1875
16:15	MA10530-CCB9	4389	33229	6016	2194
20:28	MA10530-CCV10	4154	32085	5940	1900
20:32	MA10530-CCB10	4363	33787	5992	2211
20:58	MA10530-CRIA2	4280	33037	5919	2139
21:03	MA10530-ICSA2	3767	28423	5720	1654
21:07	MA10530-ICSAB2	3778	28221	5677	1636
21:11	MA10530-CCV11	4107	31815	5861	1887
21:15	MA10530-CCB11	4318	33827	5932	2209

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10530 Units: ug/l

Time:			08:09		08:50		09:39		10:29	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.3	<200	4.2	<200	11.4	<200	0.40	<200
Antimony	6.0	1.3	0.50	<6.0	-0.50	<6.0	0.80	<6.0	1.0	<6.0
Arsenic	10	1.6	-0.40	<10	-0.50	<10	-0.40	<10	-0.20	<10
Barium	200	1	0.0	<200	0.0	<200	0.50	<200	0.10	<200
Beryllium	4.0	.5	-0.10	<4.0	0.0	<4.0	0.40	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	-0.30	<1000	5.4	<1000	10.8	<1000	5.4	<1000
Chromium	10	1.8	-0.10	<10	-0.20	<10	0.10	<10	-0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-1.3	<300	1.4	<300	11.2	<300	4.3	<300
Lead	5.0	1.1	-0.60	<5.0	-0.60	<5.0	0.20	<5.0	0.10	<5.0
Magnesium	5000	74	4.5	<5000	-0.60	<5000	15.2	<5000	18.4	<5000
Manganese	15	.7	0.0	<15	0.0	<15	0.30	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	-0.10	<40	0.20	<40	-0.10	<40
Potassium	10000	200	44.9	<10000	-26	<10000	-12	<10000	-23	<10000
Selenium	10	2	0.70	<10	0.0	<10	0.50	<10	0.80	<10
Silver	10	.5	anr							
Sodium	10000	500	7.3	<10000	-0.90	<10000	-1.2	<10000	-14	<10000
Strontium	10	.5								
Thallium	10	1.3	0.50	<10	0.0	<10	-0.30	<10	0.40	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.10	<50	0.50	<50	0.50	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10530 Units: ug/l

Time:			11:19		13:02		13:52		14:33	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.8	<200	-5.4	<200	5.9	<200	1.4	<200
Antimony	6.0	1.3	0.80	<6.0	1.2	<6.0	0.40	<6.0	0.20	<6.0
Arsenic	10	1.6	-0.40	<10	0.30	<10	0.60	<10	0.0	<10
Barium	200	1	0.20	<200	0.10	<200	0.10	<200	0.30	<200
Beryllium	4.0	.5	0.10	<4.0	0.0	<4.0	0.20	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	2.5	<1000	2.9	<1000	4.4	<1000	1.7	<1000
Chromium	10	1.8	-0.20	<10	-0.40	<10	0.10	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	4.8	<300	2.2	<300	5.3	<300	3.7	<300
Lead	5.0	1.1	-0.40	<5.0	-0.40	<5.0	-0.10	<5.0	0.30	<5.0
Magnesium	5000	74	5.0	<5000	9.4	<5000	17.2	<5000	-13	<5000
Manganese	15	.7	0.10	<15	0.10	<15	0.20	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.20	<40	-0.10	<40	-0.30	<40	0.0	<40
Potassium	10000	200	-21	<10000	-28	<10000	-15	<10000	63.8	<10000
Selenium	10	2	-0.70	<10	-0.20	<10	-0.20	<10	1.8	<10
Silver	10	.5	anr							
Sodium	10000	500	-13	<10000	-28	<10000	-17	<10000	12.4	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.90	<10	-0.10	<10	0.30	<10	0.50	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.30	<50	0.50	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10530 Units: ug/l

Time:			15:24		16:15		20:32		21:15	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.1	<200	12.6	<200	23.2	<200	37.3	<200
Antimony	6.0	1.3	-0.20	<6.0	0.90	<6.0	1.3	<6.0	0.50	<6.0
Arsenic	10	1.6	-0.60	<10	0.10	<10	-0.10	<10	-0.10	<10
Barium	200	1	0.50	<200	0.50	<200	0.60	<200	0.60	<200
Beryllium	4.0	.5	0.40	<4.0	0.50	<4.0	0.40	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.30	<5.0	0.30	<5.0
Calcium	1000	50	10.8	<1000	9.0	<1000	38.5	<1000	45.5	<1000
Chromium	10	1.8	0.50	<10	0.50	<10	0.30	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	7.9	<300	11.5	<300	17.6	<300	18.5	<300
Lead	5.0	1.1	0.90	<5.0	0.40	<5.0	0.80	<5.0	0.10	<5.0
Magnesium	5000	74	1.1	<5000	1.0	<5000	17.9	<5000	27.6	<5000
Manganese	15	.7	0.30	<15	0.30	<15	0.40	<15	0.40	<15
Molybdenum	50	.6								
Nickel	40	.5	0.20	<40	0.30	<40	0.50	<40	0.50	<40
Potassium	10000	200	52.4	<10000	36.7	<10000	45.4	<10000	33.4	<10000
Selenium	10	2	0.30	<10	1.6	<10	2.1	<10	2.3	<10
Silver	10	.5	anr							
Sodium	10000	500	13.2	<10000	8.0	<10000	13.2	<10000	23.7	<10000
Strontium	10	.5								
Thallium	10	1.3	0.70	<10	1.3	<10	-0.50	<10	0.30	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.50	<50	0.60	<50	0.50	<50	0.90	<50
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		08:03			08:41			09:35	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	39600	99.0	40000	40100	100.3
Antimony	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	1980	99.0	2000	2030	101.5	2000	2040	102.0
Barium	2000	2060	103.0	2000	1980	99.0	2000	2000	100.0
Beryllium	2000	2030	101.5	2000	1970	98.5	2000	2040	102.0
Cadmium	2000	2030	101.5	2000	2080	104.0	2000	2080	104.0
Calcium	40000	43000	107.5	40000	39700	99.3	40000	40600	101.5
Chromium	2000	2020	101.0	2000	2030	101.5	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	42000	105.0	40000	39000	97.5	40000	40100	100.3
Lead	2000	1970	98.5	2000	1950	97.5	2000	2010	100.5
Magnesium	40000	41600	104.0	40000	39000	97.5	40000	40300	100.8
Manganese	2000	2000	100.0	2000	2000	100.0	2000	2030	101.5
Molybdenum									
Nickel	2000	2040	102.0	2000	2050	102.5	2000	2060	103.0
Potassium	40000	41600	104.0	40000	38900	97.3	40000	39700	99.3
Selenium	2000	2050	102.5	2000	2030	101.5	2000	2040	102.0
Silver	anr								
Sodium	40000	38200	95.5	40000	39600	99.0	40000	39900	99.8
Strontium									
Thallium	2000	2070	103.5	2000	1980	99.0	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	1960	98.0	2000	2030	101.5	2000	2060	103.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		10:25			11:15			12:58	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40200	100.5	40000	39600	99.0
Antimony	2000	2040	102.0	2000	2030	101.5	2000	2000	100.0
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	1970	98.5
Barium	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Beryllium	2000	2050	102.5	2000	2050	102.5	2000	2090	104.5
Cadmium	2000	2070	103.5	2000	2060	103.0	2000	1960	98.0
Calcium	40000	40800	102.0	40000	40600	101.5	40000	40100	100.3
Chromium	2000	2060	103.0	2000	2050	102.5	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	40300	100.8	40000	40200	100.5	40000	41100	102.8
Lead	2000	2020	101.0	2000	2020	101.0	2000	2050	102.5
Magnesium	40000	40600	101.5	40000	40500	101.3	40000	40500	101.3
Manganese	2000	2050	102.5	2000	2040	102.0	2000	2080	104.0
Molybdenum									
Nickel	2000	2070	103.5	2000	2070	103.5	2000	2030	101.5
Potassium	40000	39900	99.8	40000	39900	99.8	40000	40000	100.0
Selenium	2000	2050	102.5	2000	2040	102.0	2000	1990	99.5
Silver	anr								
Sodium	40000	40000	100.0	40000	39900	99.8	40000	39200	98.0
Strontium									
Thallium	2000	2030	101.5	2000	2030	101.5	2000	2050	102.5
Tin									
Titanium									
Vanadium	2000	2070	103.5	2000	2070	103.5	2000	2070	103.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		13:48			14:25			15:20	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40100	100.3	40000	39600	99.0
Antimony	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	1970	98.5	2000	2010	100.5	2000	2020	101.0
Barium	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Beryllium	2000	2120	106.0	2000	2030	101.5	2000	2010	100.5
Cadmium	2000	1940	97.0	2000	2050	102.5	2000	2060	103.0
Calcium	40000	40600	101.5	40000	40400	101.0	40000	39800	99.5
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	41800	104.5	40000	40200	100.5	40000	39800	99.5
Lead	2000	2090	104.5	2000	2000	100.0	2000	1990	99.5
Magnesium	40000	41100	102.8	40000	40000	100.0	40000	39400	98.5
Manganese	2000	2100	105.0	2000	2040	102.0	2000	2060	103.0
Molybdenum									
Nickel	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Potassium	40000	40800	102.0	40000	39700	99.3	40000	39000	97.5
Selenium	2000	2000	100.0	2000	2010	100.5	2000	2020	101.0
Silver	anr								
Sodium	40000	39600	99.0	40000	40000	100.0	40000	39500	98.8
Strontium									
Thallium	2000	2080	104.0	2000	2010	100.5	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	2100	105.0	2000	2050	102.5	2000	2050	102.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		16:12			20:28			21:11	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40300	100.8	40000	40200	100.5
Antimony	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	2010	100.5	2000	2040	102.0	2000	2050	102.5
Barium	2000	2030	101.5	2000	1990	99.5	2000	2000	100.0
Beryllium	2000	2030	101.5	2000	2020	101.0	2000	2000	100.0
Cadmium	2000	2030	101.5	2000	2110	105.5	2000	2140	107.0
Calcium	40000	40200	100.5	40000	40900	102.3	40000	40800	102.0
Chromium	2000	2040	102.0	2000	2060	103.0	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	40200	100.5	40000	39700	99.3	40000	39800	99.5
Lead	2000	2000	100.0	2000	1990	99.5	2000	1990	99.5
Magnesium	40000	39900	99.8	40000	40400	101.0	40000	40400	101.0
Manganese	2000	2060	103.0	2000	2000	100.0	2000	2030	101.5
Molybdenum									
Nickel	2000	2040	102.0	2000	2070	103.5	2000	2080	104.0
Potassium	40000	39500	98.8	40000	39600	99.0	40000	39200	98.0
Selenium	2000	2020	101.0	2000	2040	102.0	2000	2050	102.5
Silver	anr								
Sodium	40000	39900	99.8	40000	40100	100.3	40000	39900	99.8
Strontium									
Thallium	2000	2030	101.5	2000	2000	100.0	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	2050	102.5	2000	2050	102.5	2000	2060	103.0
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10530 Units: ug/l

Time:		07:56	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79900	99.9
Antimony	4000	3980	99.5
Arsenic	4000	4020	100.5
Barium	4000	3950	98.8
Beryllium	4000	3890	97.3
Cadmium	4000	4010	100.3
Calcium	80000	79500	99.4
Chromium	4000	3960	99.0
Cobalt	anr		
Copper	anr		
Iron	80000	78500	98.1
Lead	4000	4000	100.0
Magnesium	80000	79700	99.6
Manganese	4000	3910	97.8
Molybdenum			
Nickel	4000	3960	99.0
Potassium	80000	79700	99.6
Selenium	4000	3990	99.8
Silver	anr		
Sodium	80000	80300	100.4
Strontium			
Thallium	4000	3960	99.0
Tin			
Titanium			
Vanadium	4000	3900	97.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10530 Units: ug/l

Time:			08:15		20:58	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	198	99.0	211	105.5
Antimony	10	5.0	4.9	98.0	5.4	108.0
Arsenic	20	10	10.5	105.0	10.2	102.0
Barium	400	200	200	100.0	204	102.0
Beryllium	10	5.0	4.9	98.0	5.1	102.0
Cadmium	10	5.0	5.3	106.0	5.6	112.0
Calcium	2000	1000	1040	104.0	1080	108.0
Chromium	20	10	10.2	102.0	10.7	107.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	308	102.7	318	106.0
Lead	10	5.0	4.5	90.0	5.7	114.0
Magnesium	10000	5000	5060	101.2	5220	104.4
Manganese	30	15	15.7	104.7	15.9	106.0
Molybdenum	100	50				
Nickel	80	40	42.5	106.3	43.5	108.8
Potassium	20000	10000	9650	96.5	9870	98.7
Selenium	20	10	9.6	96.0	10.9	109.0
Silver	20	10	anr			
Sodium	20000	10000	9970	99.7	10300	103.0
Strontium	20	10				
Thallium	20	10	9.9	99.0	10.1	101.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	50.2	100.4	50.8	101.6
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10530 Units: ug/l

Time:			08:24		08:32		21:03		21:07	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	509000	101.8	513000	102.6	516000	103.2	513000	102.6
Antimony		1000	-0.40		1050	105.0	1.0		1040	104.0
Arsenic		1000	1.2		1030	103.0	1.3		1030	103.0
Barium		500	-0.60		480	96.0	-0.40		476	95.2
Beryllium		500	-0.30		461	92.2	0.0		463	92.6
Cadmium		1000	0.0		904	90.4	0.60		905	90.5
Calcium	500000	500000	480000	96.0	481000	96.2	486000	97.2	479000	95.8
Chromium		500	-0.20		461	92.2	-0.20		461	92.2
Cobalt		500	0.40		446	89.2	0.40		445	89.0
Copper		500	1.4		502	100.4	2.0		500	100.0
Iron	200000	200000	186000	93.0	181000	90.5	182000	91.0	181000	90.5
Lead		1000	-0.10		888	88.8	-0.40		887	88.7
Magnesium	500000	500000	498000	99.6	498000	99.6	502000	100.4	501000	100.2
Manganese		500	-0.70		465	93.0	-0.70		460	92.0
Molybdenum		1000	-0.90		965	96.5	-0.80		960	96.0
Nickel		1000	-0.20		872	87.2	-0.30		872	87.2
Potassium			50.9		69.5		48.1		27.7	
Selenium		1000	0.0		1010	101.0	3.5		1010	101.0
Silver		1000	0.0		995	99.5	-0.10		979	97.9
Sodium			136		172		101		131	
Strontium		1000	3.2		1020	102.0	3.3		1010	101.0
Thallium		1000	-0.90		960	96.0	-0.30		956	95.6
Tin		1000	0.40		931	93.1	0.50		933	93.3
Titanium		1000	-1.4		1040	104.0	-1.0		1030	103.0
Vanadium		500	0.20		468	93.6	0.50		466	93.2
Zinc		1000	0.0		889	88.9	-0.60		891	89.1

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:58	MA10533-STD1	1		STDA
08:11	MA10533-STD2	1		STDB
08:14	MA10533-STD3	1		STDC
08:19	MA10533-STD4	1		STDD
08:23	MA10533-HSTD1	1		
08:31	MA10533-ICV1	1		
08:40	MA10533-ICB1	1		
08:44	MA10533-CRIA1	1		
08:58	MA10533-ICSA1	1		
09:07	MA10533-ICSAB1	1		
09:17	MA10533-CCV1	1		
09:25	MA10533-CCB1	1		
09:48	MA10533-CCV2	1		
09:57	MA10533-CCB2	1		
10:01	MP24609-MB1	1		
10:05	MP24609-B1	1		
10:09	FA1663-1	1		(sample used for QC only; not part of login FA1566)
10:13	MP24609-D1	1		
10:18	MP24609-SD1	5		
10:22	MP24609-PS1	1		
10:26	MP24609-S1	1		
10:30	MP24609-S2	1		
10:34	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:42	MA10533-CCV3	1		
10:46	MA10533-CCB3	1		
10:50	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:59	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:07	ZZZZZZ	1		
11:11	ZZZZZZ	1		
11:15	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:19	ZZZZZZ	1		
	11:23	ZZZZZZ	1		
	11:31	MA10533-CCV4	1		
	11:35	MA10533-CCB4	1		
	11:39	ZZZZZZ	1		
	11:48	ZZZZZZ	1		
	11:57	ZZZZZZ	1		
	12:02	ZZZZZZ	1		
	12:11	FA1566-3	10		
	12:15	FA1566-4	10		
---------->	Last reportable sample/prep for job FA1566				
	12:19	MP24610-MB1	1		
	12:23	MA10533-CCV5	1		
	12:27	MA10533-CCB5	1		
	12:31	MP24610-B1	1		
	12:35	FA1682-1	1		(sample used for QC only; not part of login FA1566)
	12:40	MP24610-D1	1		
	12:45	MP24610-SD1	5		
	12:49	MP24610-PS1	1		
	12:53	MP24610-S1	1		
	12:58	MP24610-S2	1		
	13:02	ZZZZZZ	1		
	13:06	ZZZZZZ	1		
	13:11	ZZZZZZ	1		
	13:15	MA10533-CCV6	1		
	13:19	MA10533-CCB6	1		
	13:23	ZZZZZZ	1		
	13:27	ZZZZZZ	1		
	13:31	ZZZZZZ	1		
	13:35	ZZZZZZ	5		
	13:39	MP24615-MB1	1		
	13:43	MP24615-B1	1		
	13:47	FA1695-1	1		(sample used for QC only; not part of login FA1566)
	13:51	MP24615-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:56	MP24615-SD1	5		
14:00	MP24615-PS1	1		
14:04	MA10533-CCV7	1		
14:08	MA10533-CCB7	1		
14:12	MP24615-S1	1		
14:16	MP24615-S2	1		
14:20	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:29	ZZZZZZ	1		
14:33	MP24614-MB1	1		
14:37	MP24614-B1	1		
14:41	ZZZZZZ	5		
14:45	FA1660-1L	1		(sample used for QC only; not part of login FA1566)
14:50	MP24614-D1	1		
14:54	MA10533-CCV8	1		
14:58	MA10533-CCB8	1		
15:02	MP24614-SD1	5		
15:06	MP24614-S1	1		
15:10	MP24614-S2	1		
15:14	ZZZZZZ	1		
15:19	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:45	MA10533-CCV9	1		
15:49	MA10533-CCB9	1		
15:53	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:06	MP24614-D2	1		
16:10	MP24614-MB2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:14	MP24614-B2	1		
16:18	MP24614-MB3	1		
16:23	MP24614-B3	1		
16:31	MP24616-B1	1		
16:35	MA10533-CCV10	1		
16:39	MA10533-CCB10	1		
16:43	FA1677-1	1		(sample used for QC only; not part of login FA1566)
16:47	MP24616-D1	1		
16:51	MP24616-SD1	5		
16:56	MP24616-PS1	1		
17:00	MP24616-S1	1		
17:04	MP24616-S2	1		
17:07	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:20	ZZZZZZ	1		
17:24	MA10533-CCV11	1		
17:28	MA10533-CCB11	1		
17:33	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:45	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:53	ZZZZZZ	1		
17:57	MA10533-CRIA2	1		
18:01	MA10533-ICSA2	1		
18:06	MA10533-ICSAB2	1		
18:10	MA10533-CCV12	1		
18:14	MA10533-CCB12	1		

----------> Last reportable CCB for job FA1566
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:58	MA10533-STD1	6972	41696	7396	3329
08:11	MA10533-STD2	6824	42173	7519	3096
08:14	MA10533-STD3	6582	39827	7407	2763
08:19	MA10533-STD4	6319	38813	7304	2506
08:23	MA10533-HSTD1	6238	39013	7268	2497
08:31	MA10533-ICV1	6455	39506	7321	2719
08:40	MA10533-ICB1	6666 R	42710 R	7473 R	3319 R
08:44	MA10533-CRIA1	6577	41114	7396	3128
08:58	MA10533-ICSA1	5889	36257	7168	2397
09:07	MA10533-ICSAB1	5992	36245	7250	2369
09:17	MA10533-CCV1	6323	40699	7472	2728
09:25	MA10533-CCB1	6713	42791	7478	3331
09:48	MA10533-CCV2	6178	40148	7222	2679
09:57	MA10533-CCB2	6681	42421	7480	3322
10:01	MP24609-MB1	6559	42473	7423	3223
10:05	MP24609-B1	6158	40276	7114	2787
10:09	FA1663-1	8682	56260	9956	2966
10:13	MP24609-D1	8716	55511	9888	3007
10:18	MP24609-SD1	7244	45932	8037	3212
10:22	MP24609-PS1	8616	55685	9860	2894
10:26	MP24609-S1	8161	51965	9480	2774
10:30	MP24609-S2	8441	53416	9704	2811
10:34	ZZZZZZ	7401	48118	8387	3095
10:38	ZZZZZZ	6981	45299	8070	2954
10:42	MA10533-CCV3	6381	40536	7338	2755
10:46	MA10533-CCB3	6761	43257	7535	3361
10:50	ZZZZZZ	6944	44978	7915	3044
10:54	ZZZZZZ	8128	51424	9654	2549
10:59	ZZZZZZ	7111	44709	8057	2928
11:03	ZZZZZZ	7040	44447	7928	3059
11:07	ZZZZZZ	7321	47062	8478	2923
11:11	ZZZZZZ	6801	44159	7677	3098
11:15	ZZZZZZ	6818	42833	7560	3107

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:19	ZZZZZZ	6831	43254	7742	3020
11:23	ZZZZZZ	6828	43764	7597	3080
11:31	MA10533-CCV4	6439	40233	7314	2739
11:35	MA10533-CCB4	6567	42166	7270	3282
11:39	ZZZZZZ	6562	42733	7426	3213
11:48	ZZZZZZ	8370 !	52234	9662 !	2519
11:57	ZZZZZZ	7547	46175	8801	2466
12:02	ZZZZZZ	7994	49502	9183	2558
12:11	FA1566-3	8022	50630	8971	2930
12:15	FA1566-4	8474	52272	9377	2868
12:19	MP24610-MB1	6650	42178	7169	3248
12:23	MA10533-CCV5	6331	40348	7117	2724
12:27	MA10533-CCB5	6637	42032	7176	3293
12:31	MP24610-B1	6536	40236	7120	2872
12:35	FA1682-1	12878 !	80027 !	14565 !	2528
12:40	MP24610-D1	12229 !	77816 !	14130 !	2553
12:45	MP24610-SD1	8127	50684	8899	2985
12:49	MP24610-PS1	12823 !	78709 !	14434 !	2504
12:53	MP24610-S1	11587 !	73287 !	13309 !	2466
12:58	MP24610-S2	12022 !	76023 !	13956 !	2435
13:02	ZZZZZZ	6817	42897	7288	3175
13:06	ZZZZZZ	6746	42437	7232	3131
13:11	ZZZZZZ	6688	42856	7125	3149
13:15	MA10533-CCV6	6586	40933	7185	2763
13:19	MA10533-CCB6	6965	42416	7269	3352
13:23	ZZZZZZ	6854	41398	7094	3104
13:27	ZZZZZZ	6749	42541	7196	3213
13:31	ZZZZZZ	6632	41458	7088	3174
13:35	ZZZZZZ	7764	46296	8359	2882
13:39	MP24615-MB1	6765	39647	7304	3241
13:43	MP24615-B1	6452	40344	7066	2856
13:47	FA1695-1	11743 !	72774 !	12706 !	2950
13:51	MP24615-D1	11288 !	67791 !	11992 !	2974

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:56	MP24615-SD1	8153	49573	8530	3263
14:00	MP24615-PS1	11419 !	71526 !	12337 !	2873
14:04	MA10533-CCV7	6512	40416	7165	2746
14:08	MA10533-CCB7	6889	42034	7267	3324
14:12	MP24615-S1	12193 !	74120 !	13237 !	2768
14:16	MP24615-S2	10130 !	64256 !	11272 !	2747
14:20	ZZZZZZ	11375 !	73423 !	12551 !	2949
14:24	ZZZZZZ	6873	42642	7676	2753
14:29	ZZZZZZ	6296	38367	7372	2285
14:33	MP24614-MB1	6787	43312	7301	3321
14:37	MP24614-B1	6604	41876	7313	2939
14:41	ZZZZZZ	6459	40028	7331	2753
14:45	FA1660-1L	6344	40118	7267	2841
14:50	MP24614-D1	6299	40226	7281	2849
14:54	MA10533-CCV8	6458	40408	7292	2734
14:58	MA10533-CCB8	6543	40117	6940	3171
15:02	MP24614-SD1	6659	41111	7246	3080
15:06	MP24614-S1	6379	39656	7194	2689
15:10	MP24614-S2	6422	38471	7096	2677
15:14	ZZZZZZ	6642	40232	7310	2895
15:19	ZZZZZZ	6600	42109	7742	2969
15:23	ZZZZZZ	6651	41356	7743	2958
15:27	ZZZZZZ	6778	41296	7753	2993
15:32	ZZZZZZ	6780	40848	7703	2973
15:36	ZZZZZZ	6696	41216	7570	2908
15:41	ZZZZZZ	6712	41267	7755	2944
15:45	MA10533-CCV9	6760	41023	7465	2798
15:49	MA10533-CCB9	7185	44051	7799	3437
15:53	ZZZZZZ	6745	40809	7480	2948
15:57	ZZZZZZ	6577	41218	7521	2875
16:02	ZZZZZZ	6760	40748	7602	2954
16:06	MP24614-D2	6626	39929	7476	2868
16:10	MP24614-MB2	6822	40954	7685	2988

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:14	MP24614-B2	6755	41225	7562	2841
16:18	MP24614-MB3	6645	41277	7626	2972
16:23	MP24614-B3	6819	41151	7740	2856
16:31	MP24616-B1	6932	42329	7746	3004
16:35	MA10533-CCV10	6720	41917	7517	2803
16:39	MA10533-CCB10	7060	43903	7718	3437
16:43	FA1677-1	6915	41833	7789	3120
16:47	MP24616-D1	6937	42087	7835	3115
16:51	MP24616-SD1	7071	43858	7739	3321
16:56	MP24616-PS1	6799	42178	7670	3023
17:00	MP24616-S1	6848	41558	7801	2914
17:04	MP24616-S2	6796	41338	7526	2893
17:07	ZZZZZZ	6748	41711	7833	2955
17:12	ZZZZZZ	6628	41510	7546	2994
17:16	ZZZZZZ	7292	44590	8184	2944
17:20	ZZZZZZ	6912	41653	7723	3032
17:24	MA10533-CCV11	6803	41186	7573	2813
17:28	MA10533-CCB11	7123	43684	7604	3427
17:33	ZZZZZZ	6801	41449	7436	2991
17:37	ZZZZZZ	7261	44062	7916	3170
17:41	ZZZZZZ	6804	41126	7623	3028
17:45	ZZZZZZ	6999	42407	7664	3207
17:49	ZZZZZZ	6835	42279	7464	3170
17:53	ZZZZZZ	6613	41625	7574	2962
17:57	MA10533-CRIA2	7017	42751	7610	3264
18:01	MA10533-ICSA2	6304	37113	7261	2469
18:06	MA10533-ICSAB2	6237	36604	7088	2409
18:10	MA10533-CCV12	6802	41611	7405	2815
18:14	MA10533-CCB12	7065	43205	7434	3395

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10533 Units: ug/l

Time:			08:40		09:25		09:57		10:46	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.4	<200	9.0	<200	8.5	<200	1.9	<200
Antimony	6.0	1.3	0.50	<6.0	0.60	<6.0	0.50	<6.0	-0.10	<6.0
Arsenic	10	1.6	0.20	<10	0.30	<10	0.90	<10	0.30	<10
Barium	200	1	0.10	<200	0.30	<200	0.50	<200	0.30	<200
Beryllium	4.0	.5	0.10	<4.0	0.40	<4.0	0.20	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	1.0	<1000	13.4	<1000	8.9	<1000	8.0	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	0.40	<10	0.50	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	2.0	<300	11.6	<300	6.6	<300	9.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	7.3	<5000	5.0	<5000	8.2	<5000	20.8	<5000
Manganese	15	.7	0.0	<15	0.30	<15	0.30	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.20	<40	0.10	<40	0.20	<40	0.20	<40
Potassium	10000	200	-3.9	<10000	17.0	<10000	23.2	<10000	-10	<10000
Selenium	10	2	2.1	<10	1.9	<10	0.10	<10	-0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	0.70	<10000	25.9	<10000	19.4	<10000	7.4	<10000
Strontium	10	.5								
Thallium	10	1.3	0.50	<10	0.80	<10	1.4	<10	1.8	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.20	<50	0.0	<50	0.30	<50	0.20	<50
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10533 Units: ug/l

Time:			11:35		12:27		13:19		14:08	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	8.0	<200	0.40	<200	-2.6	<200	-2.7	<200
Antimony	6.0	1.3	-0.40	<6.0	0.0	<6.0	0.0	<6.0	-0.20	<6.0
Arsenic	10	1.6	0.30	<10	-0.20	<10	0.60	<10	0.70	<10
Barium	200	1	0.10	<200	0.40	<200	-0.20	<200	0.30	<200
Beryllium	4.0	.5	0.20	<4.0	0.30	<4.0	0.0	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	31.8	<1000	10.3	<1000	1.3	<1000	5.0	<1000
Chromium	10	1.8	0.30	<10	0.30	<10	0.20	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	7.4	<300	10.4	<300	3.3	<300	4.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	11.1	<5000	3.9	<5000	0.70	<5000	-1.1	<5000
Manganese	15	.7	0.20	<15	0.20	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.30	<40	0.10	<40	0.0	<40	0.0	<40
Potassium	10000	200	-26	<10000	5.8	<10000	-12	<10000	22.9	<10000
Selenium	10	2	0.60	<10	-0.70	<10	-0.70	<10	-0.10	<10
Silver	10	.5	anr							
Sodium	10000	500	54.5	<10000	20.8	<10000	27.0	<10000	31.0	<10000
Strontium	10	.5								
Thallium	10	1.3	0.80	<10	0.70	<10	1.7	<10	1.2	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.20	<50	0.40	<50	0.10	<50	0.20	<50
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10533 Units: ug/l

Time:			14:58		15:49		16:39		17:28	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.8	<200	3.2	<200	6.5	<200	5.5	<200
Antimony	6.0	1.3	0.0	<6.0	0.20	<6.0	-0.30	<6.0	-0.10	<6.0
Arsenic	10	1.6	0.30	<10	0.80	<10	0.70	<10	0.50	<10
Barium	200	1	0.10	<200	0.0	<200	0.10	<200	0.20	<200
Beryllium	4.0	.5	0.30	<4.0	0.20	<4.0	0.30	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	8.7	<1000	4.6	<1000	5.2	<1000	6.4	<1000
Chromium	10	1.8	0.50	<10	0.30	<10	0.50	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	7.6	<300	9.1	<300	7.4	<300	7.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	5.2	<5000	-12	<5000	8.7	<5000	13.9	<5000
Manganese	15	.7	0.30	<15	0.30	<15	0.20	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.20	<40	0.10	<40	0.20	<40	0.10	<40
Potassium	10000	200	65.1	<10000	23.0	<10000	32.8	<10000	25.7	<10000
Selenium	10	2	-0.50	<10	-0.70	<10	-0.50	<10	-0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	69.3	<10000	91.8	<10000	92.2	<10000	80.2	<10000
Strontium	10	.5								
Thallium	10	1.3	1.4	<10	7.4	<10* (a)	7.0	<10* (a)	5.6	<10* (a)
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.20	<50	0.30	<50	0.0	<50
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Tl_ reported in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10533 Units: ug/l

Time:			18:14	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	15	6.6	<200
Antimony	6.0	1.3	-0.50	<6.0
Arsenic	10	1.6	1.0	<10
Barium	200	1	0.10	<200
Beryllium	4.0	.5	0.20	<4.0
Cadmium	5.0	.5	0.10	<5.0
Calcium	1000	50	11.7	<1000
Chromium	10	1.8	0.50	<10
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	10.0	<300
Lead	5.0	1.1	anr	
Magnesium	5000	74	0.60	<5000
Manganese	15	.7	0.30	<15
Molybdenum	50	.6		
Nickel	40	.5	0.10	<40
Potassium	10000	200	25.3	<10000
Selenium	10	2	0.10	<10
Silver	10	.5	anr	
Sodium	10000	500	66.2	<10000
Strontium	10	.5		
Thallium	10	1.3	5.6	<10* (a)
Tin	50	.7		
Titanium	10	.9		
Vanadium	50	.5	0.30	<50
Zinc	20	3		

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Tl_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10533 Units: ug/l

Time:		08:31			09:17			09:48	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	40500	101.3	40000	40700	101.8
Antimony	2000	2040	102.0	2000	2080	104.0	2000	2050	102.5
Arsenic	2000	2010	100.5	2000	2100	105.0	2000	2050	102.5
Barium	2000	2090	104.5	2000	2050	102.5	2000	2080	104.0
Beryllium	2000	2040	102.0	2000	1970	98.5	2000	2050	102.5
Cadmium	2000	2070	103.5	2000	2170	108.5	2000	2090	104.5
Calcium	40000	43100	107.8	40000	40600	101.5	40000	40900	102.3
Chromium	2000	2060	103.0	2000	2060	103.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	42200	105.5	40000	39000	97.5	40000	40800	102.0
Lead	anr								
Magnesium	40000	41900	104.8	40000	39500	98.8	40000	40900	102.3
Manganese	2000	2040	102.0	2000	1990	99.5	2000	2040	102.0
Molybdenum									
Nickel	2000	2070	103.5	2000	2090	104.5	2000	2070	103.5
Potassium	40000	42100	105.3	40000	39200	98.0	40000	40100	100.3
Selenium	2000	2080	104.0	2000	2100	105.0	2000	2050	102.5
Silver	anr								
Sodium	40000	38900	97.3	40000	40800	102.0	40000	40800	102.0
Strontium									
Thallium	2000	2070	103.5	2000	1980	99.0	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	1990	99.5	2000	2030	101.5	2000	2050	102.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10533 Units: ug/l

Time:		10:42			11:31			12:23	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40200	100.5	40000	40200	100.5
Antimony	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Barium	2000	2030	101.5	2000	2050	102.5	2000	2060	103.0
Beryllium	2000	2020	101.0	2000	2060	103.0	2000	2010	100.5
Cadmium	2000	2070	103.5	2000	2020	101.0	2000	2060	103.0
Calcium	40000	40300	100.8	40000	40300	100.8	40000	40000	100.0
Chromium	2000	2050	102.5	2000	2040	102.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	40100	100.3	40000	40800	102.0	40000	40000	100.0
Lead	anr								
Magnesium	40000	40400	101.0	40000	40700	101.8	40000	39900	99.8
Manganese	2000	2050	102.5	2000	2070	103.5	2000	2050	102.5
Molybdenum									
Nickel	2000	2050	102.5	2000	2040	102.0	2000	2050	102.5
Potassium	40000	40000	100.0	40000	40700	101.8	40000	40600	101.5
Selenium	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Silver	anr								
Sodium	40000	40300	100.8	40000	40400	101.0	40000	40700	101.8
Strontium									
Thallium	2000	2010	100.5	2000	2040	102.0	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	2070	103.5	2000	2070	103.5	2000	2050	102.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10533 Units: ug/l

Time:		13:15			14:04			14:54	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39700	99.3	40000	39800	99.5
Antimony	2000	1980	99.0	2000	2000	100.0	2000	2020	101.0
Arsenic	2000	1960	98.0	2000	1980	99.0	2000	1990	99.5
Barium	2000	2030	101.5	2000	2040	102.0	2000	2050	102.5
Beryllium	2000	1980	99.0	2000	2000	100.0	2000	1990	99.5
Cadmium	2000	1970	98.5	2000	1990	99.5	2000	2000	100.0
Calcium	40000	39100	97.8	40000	39200	98.0	40000	39300	98.3
Chromium	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Cobalt									
Copper	anr								
Iron	40000	39600	99.0	40000	39700	99.3	40000	39600	99.0
Lead	anr								
Magnesium	40000	39200	98.0	40000	39400	98.5	40000	39000	97.5
Manganese	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Molybdenum									
Nickel	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Potassium	40000	40500	101.3	40000	41000	102.5	40000	41000	102.5
Selenium	2000	1980	99.0	2000	1990	99.5	2000	2010	100.5
Silver	anr								
Sodium	40000	40000	100.0	40000	40400	101.0	40000	40600	101.5
Strontium									
Thallium	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Tin									
Titanium									
Vanadium	2000	2040	102.0	2000	2060	103.0	2000	2060	103.0
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10533 Units: ug/l

Time:		15:45			16:35			17:24	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39400	98.5	40000	39300	98.3
Antimony	2000	2000	100.0	2000	2010	100.5	2000	2000	100.0
Arsenic	2000	1960	98.0	2000	1960	98.0	2000	1950	97.5
Barium	2000	2070	103.5	2000	2090	104.5	2000	2070	103.5
Beryllium	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Cadmium	2000	1910	95.5	2000	1920	96.0	2000	1900	95.0
Calcium	40000	39100	97.8	40000	38800	97.0	40000	38700	96.8
Chromium	2000	2010	100.5	2000	1950	97.5	2000	1980	99.0
Cobalt									
Copper	anr								
Iron	40000	40800	102.0	40000	40600	101.5	40000	40600	101.5
Lead	anr								
Magnesium	40000	39400	98.5	40000	39000	97.5	40000	38900	97.3
Manganese	2000	2060	103.0	2000	2030	101.5	2000	2060	103.0
Molybdenum									
Nickel	2000	2010	100.5	2000	2000	100.0	2000	1990	99.5
Potassium	40000	42000	105.0	40000	41300	103.3	40000	41600	104.0
Selenium	2000	1990	99.5	2000	1980	99.0	2000	1980	99.0
Silver	anr								
Sodium	40000	40400	101.0	40000	40100	100.3	40000	39900	99.8
Strontium									
Thallium	2000	1990	99.5	2000	2040	102.0	2000	2050	102.5
Tin									
Titanium									
Vanadium	2000	2080	104.0	2000	2020	101.0	2000	2060	103.0
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10533 Units: ug/l

Time:		18:10	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	40000	38900	97.3
Antimony	2000	1970	98.5
Arsenic	2000	1930	96.5
Barium	2000	2050	102.5
Beryllium	2000	2020	101.0
Cadmium	2000	1880	94.0
Calcium	40000	38400	96.0
Chromium	2000	1950	97.5
Cobalt			
Copper	anr		
Iron	40000	40100	100.3
Lead	anr		
Magnesium	40000	38600	96.5
Manganese	2000	2020	101.0
Molybdenum			
Nickel	2000	1970	98.5
Potassium	40000	41300	103.3
Selenium	2000	1950	97.5
Silver	anr		
Sodium	40000	39700	99.3
Strontium			
Thallium	2000	2040	102.0
Tin			
Titanium			
Vanadium	2000	2020	101.0
Zinc			

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10533 Units: ug/l

Time:		08:23	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79800	99.8
Antimony	4000	4000	100.0
Arsenic	4000	4020	100.5
Barium	4000	3970	99.3
Beryllium	4000	3940	98.5
Cadmium	4000	3990	99.8
Calcium	80000	79600	99.5
Chromium	4000	3920	98.0
Cobalt			
Copper	anr		
Iron	80000	79700	99.6
Lead	anr		
Magnesium	80000	79500	99.4
Manganese	4000	3910	97.8
Molybdenum			
Nickel	4000	3960	99.0
Potassium	80000	80100	100.1
Selenium	4000	3980	99.5
Silver	anr		
Sodium	80000	80000	100.0
Strontium			
Thallium	4000	3990	99.8
Tin			
Titanium			
Vanadium	4000	3880	97.0
Zinc			

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10533 Units: ug/l

Time:			08:44		17:57	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	220	110.0	198	99.0
Antimony	10	5.0	6.3	126.0	4.6	92.0
Arsenic	20	10	10.5	105.0	9.9	99.0
Barium	400	200	206	103.0	202	101.0
Beryllium	10	5.0	5.2	104.0	4.9	98.0
Cadmium	10	5.0	5.5	110.0	4.8	96.0
Calcium	2000	1000	1070	107.0	991	99.1
Chromium	20	10	11.0	110.0	10.3	103.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	319	106.3	316	105.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5260	105.2	4960	99.2
Manganese	30	15	16.2	108.0	15.9	106.0
Molybdenum	100	50				
Nickel	80	40	44.4	111.0	41.4	103.5
Potassium	20000	10000	9970	99.7	10300	103.0
Selenium	20	10	11.2	112.0	9.5	95.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10100	101.0
Strontium	20	10				
Thallium	20	10	9.2	92.0	9.5	95.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	51.2	102.4	50.6	101.2
Zinc	40	20				

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

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

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10533 Units: ug/l

Time:			08:58		09:07		18:01		18:06	
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	502000	100.4	488000	97.6	496000	99.2
Antimony		1000	0.50		1010	101.0	-0.90		970	97.0
Arsenic		1000	-1.0		1020	102.0	-0.30		958	95.8
Barium		500	-0.50		482	96.4	-0.50		486	97.2
Beryllium		500	-0.10		455	91.0	-0.10		462	92.4
Cadmium		1000	0.0		897	89.7	-2.5		800	80.0
Calcium	500000	500000	482000	96.4	478000	95.6	458000	91.6	456000	91.2
Chromium		500	0.0		453	90.6	0.20		439	87.8
Cobalt		500	0.50		441	88.2	0.40		398	80.0
Copper		500	0.0		480	96.0	0.0		501	100.2
Iron	200000	200000	182000	91.0	180000	90.0	184000	92.0	183000	91.5
Lead		1000	0.90		869	86.9	-4.1		880	88.0
Magnesium	500000	500000	472000	94.4	472000	94.4	459000	91.8	462000	92.4
Manganese		500	-0.30		459	91.8	-0.60		463	92.6
Molybdenum		1000	-0.10		943	94.3	0.20		921	92.1
Nickel		1000	0.0		861	86.1	1.2		825	82.5
Potassium			59.9		44.8		53.2		38.4	
Selenium		1000	-0.50		993	99.3	-0.20		936	93.6
Silver		1000	-0.80		923	92.3	-1.1		931	93.1
Sodium			114		158		282		260	
Strontium		1000	3.8		1020	102.0	4.6		1080	108.0
Thallium		1000	0.0		949	94.9	1.5		955	95.5
Tin		1000	-0.20		913	91.3	-0.30		839	83.9
Titanium		1000	-2.1		1020	102.0	-2.6		1060	106.0
Vanadium		500	-0.80		456	91.2	-0.40		456	91.2
Zinc		1000	-0.20		873	87.3	-0.90		846	84.6

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10534
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:51	MA10534-STD1	1		STDA
07:55	MA10534-STD2	1		STDB
08:01	MA10534-STD3	1		STDC
08:05	MA10534-STD4	1		STDD
08:12	MA10534-HSTD1	1		
08:18	MA10534-ICV1	1		
08:31	MA10534-ICB1	1		
08:36	MA10534-CRIA1	1		
08:45	MA10534-ICSA1	1		
08:53	MA10534-ICSAB1	1		
09:06	MA10534-CCV1	1		
09:11	MA10534-CCB1	1		
09:19	MP24608-MB1	1		
09:24	MP24608-B1	1		
09:28	FA1672-1	1		(sample used for QC only; not part of login FA1566)
09:32	MP24608-D1	1		
09:37	MP24608-SD1	5		
09:41	MP24608-PS1	1		
09:46	MP24608-S1	1		
09:50	MP24608-S2	1		
---------->	Last reportable sample/prep for job FA1566			
09:54	ZZZZZZ	1		
09:59	ZZZZZZ	1		
10:03	MA10534-CCV2	1		
10:07	MA10534-CCB2	1		
10:12	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:21	ZZZZZZ	1		
10:25	ZZZZZZ	1		
10:30	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:39	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:48	MP24607-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10534
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:52	MP24607-B1	1		
10:57	MA10534-CCV3	1		
11:01	MA10534-CCB3	1		
11:05	FA1675-1	1		(sample used for QC only; not part of login FA1566)
11:10	MP24607-D1	1		
11:15	MP24607-SD1	5		
11:19	MP24607-PS1	1		
11:24	MP24607-S1	1		
11:29	MP24607-S2	1		
11:34	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:42	ZZZZZZ	1		
11:51	MA10534-CCV4	1		
11:56	MA10534-CCB4	1		
12:45	MA10534-CCV5	1		
12:49	MA10534-CCB5	1		
13:39	MA10534-CCV6	1		
13:43	MA10534-CCB6	1		
14:39	ZZZZZZ	1		
14:44	MA10534-CRIA2	1		
14:48	MA10534-CCV7	1		
14:52	MA10534-CCB7	1		
14:57	MA10534-ICSA2	1		
15:02	MA10534-ICSAB2	1		
15:06	MA10534-CCV8	1		
15:10	MA10534-CCB8	1		

----------> Last reportable CCB for job FA1566
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10534
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:51	MA10534-STD1	2062	18667	6852	1213
07:55	MA10534-STD2	2016	18180	6897	1122
08:01	MA10534-STD3	1929	17359	6835	998
08:05	MA10534-STD4	1869	16812	6702	927
08:12	MA10534-HSTD1	1855	16763	6711	921
08:18	MA10534-ICV1	1934	17422	6866	997
08:31	MA10534-ICB1	2048 R	18351 R	6844 R	1186 R
08:36	MA10534-CRIA1	2031	17994	6812	1147
08:45	MA10534-ICSA1	1763	15210	6492	867
08:53	MA10534-ICSAB1	1761	15213	6445	855
09:06	MA10534-CCV1	1941	17091	6729	992
09:11	MA10534-CCB1	2088	18295	6814	1208
09:19	MP24608-MB1	2116	18738	6939	1215
09:24	MP24608-B1	1949	17241	6876	1037
09:28	FA1672-1	1914	17002	6801	1042
09:32	MP24608-D1	1895	16881	6713	1035
09:37	MP24608-SD1	1991	17722	6835	1128
09:41	MP24608-PS1	1901	16945	6838	1018
09:46	MP24608-S1	1891	16620	6718	982
09:50	MP24608-S2	1875	16519	6664	980
09:54	ZZZZZZ	1975	17594	6889	1108
09:59	ZZZZZZ	1905	16989	6854	1033
10:03	MA10534-CCV2	1921	17006	6733	984
10:07	MA10534-CCB2	2044	18181	6781	1190
10:12	ZZZZZZ	1943	17253	6934	1029
10:16	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:21	ZZZZZZ	1951	17217	6760	1074
10:25	ZZZZZZ	1826	16274	6673	968
10:30	ZZZZZZ	1982	17763	6896	1113
10:34	ZZZZZZ	1950	17344	6747	1093
10:39	ZZZZZZ	1840	15900	6866	865
10:43	ZZZZZZ	1971	17629	6889	1105
10:48	MP24607-MB1	2086	18405	6985	1229

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10534
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:52	MP24607-B1	1990	17337	6953	1060
10:57	MA10534-CCV3	1892	16713	6709	973
11:01	MA10534-CCB3	2044	18176	6918	1180
11:05	FA1675-1	3149	28028	11705	926
11:10	MP24607-D1	3248	29337	12138	915
11:15	MP24607-SD1	2186	19516	7843	1024
11:19	MP24607-PS1	3090	27858	11689	905
11:24	MP24607-S1	2847	25701	10845	889
11:29	MP24607-S2	3428	31314	13295	879
11:34	ZZZZZZ	3284 !	29549 !	11965 !	1015
11:38	ZZZZZZ	4465 !	40172 !	16445 !	979
11:42	ZZZZZZ	3342 !	30430 !	12306 !	1041
11:51	MA10534-CCV4	1879	16704	6666	975
11:56	MA10534-CCB4	1999	18040	6855	1164
12:45	MA10534-CCV5	1846	16534	6693	971
12:49	MA10534-CCB5	1970	17813	6801	1165
13:39	MA10534-CCV6	1876	16840	6834	970
13:43	MA10534-CCB6	10210	74025	18281	5403
14:39	ZZZZZZ	1623	14266	6206	805
14:44	MA10534-CRIA2	1956	17406	6859	1105
14:48	MA10534-CCV7	1857	16629	6708	965
14:52	MA10534-CCB7	1964	17797	6850	1155
14:57	MA10534-ICSA2	1667	14702	6453	832
15:02	MA10534-ICSAB2	1671	14596	6384	825
15:06	MA10534-CCV8	1842	16667	6722	959
15:10	MA10534-CCB8	1965	17806	6857	1153

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10534 Units: ug/l

Time:			08:31		09:11		10:07		11:01	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	8.2	<200	12.9	<200	11.3	<200	7.5	<200
Antimony	6.0	1.3	0.20	<6.0	-0.40	<6.0	-0.40	<6.0	-0.10	<6.0
Arsenic	10	1.6	0.40	<10	1.2	<10	0.40	<10	0.0	<10
Barium	200	1								
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	3.2	<1000	11.2	<1000	11.3	<1000	4.5	<1000
Chromium	10	1.8	0.10	<10	0.30	<10	0.10	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	5.2	<300	17.5	<300	16.7	<300	15.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	9.0	<5000	18.5	<5000	6.7	<5000	9.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	1.6	<10000	0.30	<10000	0.50	<10000	2.2	<10000
Selenium	10	2	0.50	<10	0.40	<10	-0.50	<10	1.8	<10
Silver	10	.5	anr							
Sodium	10000	500	5.0	<10000	9.5	<10000	8.7	<10000	24.6	<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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10534 Units: ug/l

Time:			11:56		12:49		13:43		14:52	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.5	<200	5.6	<200	-5.4	<200	10.1	<200
Antimony	6.0	1.3	0.20	<6.0	0.10	<6.0	-1.4	<6.0	0.10	<6.0
Arsenic	10	1.6	1.1	<10	-1.0	<10	6.3	<10* (a)	0.50	<10
Barium	200	1								
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.40	<5.0	0.10	<5.0
Calcium	1000	50	1.9	<1000	6.2	<1000	3.5	<1000	12.4	<1000
Chromium	10	1.8	0.10	<10	0.30	<10	-0.10	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	8.5	<300	11.4	<300	-3.4	<300	19.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.0	<5000	20.6	<5000	14.5	<5000	19.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	29.7	<10000	-4.1	<10000	-25	<10000	106	<10000
Selenium	10	2	1.1	<10	-0.40	<10	2.4	<10	0.70	<10
Silver	10	.5	anr							
Sodium	10000	500	19.3	<10000	12.5	<10000	-13	<10000	66.3	<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
(a) No samples for As_ reported in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10534 Units: ug/l

Time:			15:10	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	15	16.9	<200
Antimony	6.0	1.3	-0.60	<6.0
Arsenic	10	1.6	0.20	<10
Barium	200	1		
Beryllium	4.0	.5		
Cadmium	5.0	.5	0.20	<5.0
Calcium	1000	50	14.9	<1000
Chromium	10	1.8	0.0	<10
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	22.4	<300
Lead	5.0	1.1	anr	
Magnesium	5000	74	22.6	<5000
Manganese	15	.7	anr	
Molybdenum	50	.6	anr	
Nickel	40	.5	anr	
Potassium	10000	200	55.1	<10000
Selenium	10	2	0.70	<10
Silver	10	.5	anr	
Sodium	10000	500	34.4	<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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10534 Units: ug/l

Time:		08:18			09:06			10:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40400	101.0	40000	40500	101.3
Antimony	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	1990	99.5	2000	2020	101.0	2000	2040	102.0
Barium									
Beryllium									
Cadmium	2000	2040	102.0	2000	2060	103.0	2000	2070	103.5
Calcium	40000	42700	106.8	40000	41700	104.3	40000	41900	104.8
Chromium	2000	2050	102.5	2000	2080	104.0	2000	2090	104.5
Cobalt									
Copper	anr								
Iron	40000	42300	105.8	40000	41400	103.5	40000	41300	103.3
Lead	anr								
Magnesium	40000	41200	103.0	40000	41300	103.3	40000	41400	103.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	42100	105.3	40000	40700	101.8	40000	41000	102.5
Selenium	2000	2070	103.5	2000	2030	101.5	2000	2050	102.5
Silver	anr								
Sodium	40000	38500	96.3	40000	40600	101.5	40000	41000	102.5
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10534 Units: ug/l

Time:		10:57			11:51			12:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	41300	103.3	40000	41500	103.8
Antimony	2000	2070	103.5	2000	2080	104.0	2000	2130	106.5
Arsenic	2000	2070	103.5	2000	2070	103.5	2000	2120	106.0
Barium									
Beryllium									
Cadmium	2000	2080	104.0	2000	2080	104.0	2000	2120	106.0
Calcium	40000	41300	103.3	40000	41200	103.0	40000	41400	103.5
Chromium	2000	2090	104.5	2000	2100	105.0	2000	2120	106.0
Cobalt									
Copper	anr								
Iron	40000	41200	103.0	40000	41300	103.3	40000	41500	103.8
Lead	anr								
Magnesium	40000	41000	102.5	40000	41100	102.8	40000	41100	102.8
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41500	103.8	40000	41700	104.3	40000	42100	105.3
Selenium	2000	2080	104.0	2000	2090	104.5	2000	2130	106.5
Silver	anr								
Sodium	40000	41500	103.8	40000	41800	104.5	40000	42200	105.5
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10534 Units: ug/l

Time:		13:39			14:48			15:06	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	41100	102.8	40000	41200	103.0
Antimony	2000	2090	104.5	2000	2110	105.5	2000	2130	106.5
Arsenic	2000	2070	103.5	2000	2090	104.5	2000	2120	106.0
Barium									
Beryllium									
Cadmium	2000	2090	104.5	2000	2110	105.5	2000	2120	106.0
Calcium	40000	41800	104.5	40000	41800	104.5	40000	41500	103.8
Chromium	2000	2080	104.0	2000	2100	105.0	2000	2100	105.0
Cobalt									
Copper	anr								
Iron	40000	40700	101.8	40000	41100	102.8	40000	40900	102.3
Lead	anr								
Magnesium	40000	41100	102.8	40000	41500	103.8	40000	41000	102.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	42300	105.8	40000	43100	107.8	40000	43000	107.5
Selenium	2000	2090	104.5	2000	2100	105.0	2000	2130	106.5
Silver	anr								
Sodium	40000	42400	106.0	40000	42800	107.0	40000	43000	107.5
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10534 Units: ug/l

Time:		08:12	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	81100	101.4
Antimony	4000	4050	101.3
Arsenic	4000	4060	101.5
Barium			
Beryllium			
Cadmium	4000	3990	99.8
Calcium	80000	79900	99.9
Chromium	4000	4000	100.0
Cobalt			
Copper	anr		
Iron	80000	79900	99.9
Lead	anr		
Magnesium	80000	80700	100.9
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	80900	101.1
Selenium	4000	4060	101.5
Silver	anr		
Sodium	80000	80800	101.0
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10534 Units: ug/l

Time:			08:36		14:44	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	210	105.0	224	112.0
Antimony	10	5.0	4.8	96.0	4.9	98.0
Arsenic	20	10	10.5	105.0	10.8	108.0
Barium	400	200				
Beryllium	10	5.0				
Cadmium	10	5.0	5.3	106.0	5.5	110.0
Calcium	2000	1000	1070	107.0	1130	113.0
Chromium	20	10	10.3	103.0	10.9	109.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	327	109.0	351	117.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5120	102.4	5220	104.4
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	10200	102.0	11000	110.0
Selenium	20	10	11.5	115.0	10.8	108.0
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	11000	110.0
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

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

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10534 Units: ug/l

Time:			08:45		08:53		14:57		15:02	
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	515000	103.0	517000	103.4	521000	104.2
Antimony		1000	1.1		1030	103.0	4.2		1090	109.0
Arsenic		1000	-0.40		1020	102.0	-3.5		1070	107.0
Barium		500	-0.30		487	97.4	-0.30		488	97.6
Beryllium		500	-0.10		478	95.6	-0.10		483	96.6
Cadmium		1000	0.0		873	87.3	3.7		907	90.7
Calcium	500000	500000	480000	96.0	485000	97.0	493000	98.6	490000	98.0
Chromium		500	0.30		460	92.0	0.20		467	93.4
Cobalt		500	-1.0		430	86.0	-1.2		444	88.8
Copper		500	-1.6		523	104.6	-1.5		555	111.0
Iron	200000	200000	184000	92.0	183000	91.5	183000	91.5	181000	90.5
Lead		1000	0.0		871	87.1	-2.1		890	89.0
Magnesium	500000	500000	513000	102.6	521000	104.2	520000	104.0	522000	104.4
Manganese		500	0.10		473	94.6	0.10		479	95.8
Molybdenum		1000	0.10		983	98.3	-0.10		1020	102.0
Nickel		1000	0.40		860	86.0	0.20		896	89.6
Potassium			5.1		8.9		150		102	
Selenium		1000	0.0		988	98.8	-1.9		1030	103.0
Silver		1000	0.20		1010	101.0	0.20		1090	109.0
Sodium			81.5		105		183		171	
Strontium		1000	4.2		1080	108.0	4.5		1120	112.0
Thallium		1000	0.0		933	93.3	0.0		954	95.4
Tin		1000	-0.30		920	92.0	-0.50		964	96.4
Titanium		1000	-3.5		1080	108.0	-3.6		1110	111.0
Vanadium		500	0.80		481	96.2	0.20		502	100.4
Zinc		1000	0.80		887	88.7	0.10		910	91.0

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:47	MA10537-STD1	1		STDA
07:51	MA10537-STD2	1		STDB
07:55	MA10537-STD3	1		STDC
08:00	MA10537-STD4	1		STDD
08:05	MA10537-HSTD1	1		
08:12	MA10537-ICV1	1		
08:18	MA10537-ICB1	1		
08:22	MA10537-CRIA1	1		
08:31	MA10537-ICSA1	1		
08:38	MA10537-ICSAB1	1		
08:47	MA10537-CCV1	1		
08:55	MA10537-CCB1	1		
09:03	ZZZZZZ	20		
09:08	FA1566-1F	5		
---------->	Last reportable sample/prep for job FA1566			
09:12	ZZZZZZ	5		
09:17	ZZZZZZ	5		
09:21	ZZZZZZ	4		
09:25	MA10537-CCV2	1		
09:29	MA10537-CCB2	1		
10:08	MA10537-CCV3	1		
10:16	MA10537-CCB3	1		
10:22	MP24619-MB1	1		
10:26	MP24619-B1	1		
10:30	FA1702-1	1		(sample used for QC only; not part of login FA1566)
10:34	MP24619-D1	1		
10:39	MP24619-SD1	5		
10:43	MP24619-PS1	1		
10:47	MP24619-S1	1		
10:51	MP24619-S2	1		
10:56	ZZZZZZ	1		
11:00	ZZZZZZ	1		
11:04	MA10537-CCV4	1		
11:08	MA10537-CCB4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:31	MA10537-CCV5	1		
11:39	MA10537-CCB5	1		
11:43	MP24620-MB1	1		
11:48	MP24620-B1	1		
11:52	FA1735-1	1		(sample used for QC only; not part of login FA1566)
11:56	MP24620-D1	1		
12:00	MP24620-SD1	5		
12:04	MP24620-PS1	1		
12:08	MP24620-S1	1		
12:12	MP24620-S2	1		
12:16	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:24	MA10537-CCV6	1		
12:28	MA10537-CCB6	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:05	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	MA10537-CCV7	1		
13:17	MA10537-CCB7	1		
13:22	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:46	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:02	MA10537-CCV8	1		
14:07	MA10537-CCB8	1		
14:11	MP24623-MB1	1		
14:16	MP24623-B1	1		
14:20	FA1761-8	1		(sample used for QC only; not part of login FA1566)
14:24	MP24623-D2	1		
14:28	MP24623-SD1	5		
14:32	MP24623-PS1	1		
14:36	MP24623-S1	1		
14:40	MP24623-S2	1		
14:44	MA10537-CRIA2	1		
14:48	MA10537-ICSA2	1		
14:52	MA10537-CCV9	1		
14:56	MA10537-CCB9	1		
15:00	MA10537-ICSAB2	1		
15:05	MA10537-CCV10	1		
15:09	MA10537-CCB10	1		

----------> Last reportable CCB for job FA1566
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:47	MA10537-STD1	7169	44218	8267	3072
07:51	MA10537-STD2	7099	43182	8281	2828
07:55	MA10537-STD3	6801	41426	8235	2523
08:00	MA10537-STD4	6529	40250	8131	2313
08:05	MA10537-HSTD1	6544	40494	8184	2305
08:12	MA10537-ICV1	6787	41470	8178	2509
08:18	MA10537-ICB1	7162 R	43896 R	8235 R	3045 R
08:22	MA10537-CRIA1	7023	42777	8168	2862
08:31	MA10537-ICSA1	6121	36827	7778	2222
08:38	MA10537-ICSAB1	6180	37211	7820	2194
08:47	MA10537-CCV1	6790	41514	7985	2501
08:55	MA10537-CCB1	7154	44097	8132	3011
09:03	ZZZZZZ	7077	43034	8242	2793
09:08	FA1566-1F	7607	43955	9415	2355
09:12	ZZZZZZ	8077	47766	10034	2222
09:17	ZZZZZZ	7005	41538	8263	2415
09:21	ZZZZZZ	6817	41023	7961	2540
09:25	MA10537-CCV2	6762	41566	7783	2505
09:29	MA10537-CCB2	7127	44255	7969	3022
10:08	MA10537-CCV3	6828	41148	7805	2472
10:16	MA10537-CCB3	7093	44021	7810	2997
10:22	MP24619-MB1	7049	42601	7947	2977
10:26	MP24619-B1	6815	41893	7850	2613
10:30	FA1702-1	6099	37440	7584	2084
10:34	MP24619-D1	6145	36738	7575	2116
10:39	MP24619-SD1	6638	40406	7701	2498
10:43	MP24619-PS1	6123	36599	7414	2073
10:47	MP24619-S1	6280	38346	7635	2061
10:51	MP24619-S2	6220	38215	7583	2056
10:56	ZZZZZZ	7105	43189	7978	2533
11:00	ZZZZZZ	7412	45184	8359	2527
11:04	MA10537-CCV4	6780	41676	7653	2487
11:08	MA10537-CCB4	7175	44258	7795	3032

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:31	MA10537-CCV5	6778	41576	7716	2500
11:39	MA10537-CCB5	7113	43772	7750	3004
11:43	MP24620-MB1	7196	44415	7863	3021
11:48	MP24620-B1	6851	42195	7766	2657
11:52	FA1735-1	7094	44244	7900	2938
11:56	MP24620-D1	7110	44102	7927	2928
12:00	MP24620-SD1	7140	44498	7880	3011
12:04	MP24620-PS1	7013	43215	7842	2804
12:08	MP24620-S1	6905	41760	7746	2617
12:12	MP24620-S2	6869	41922	7747	2624
12:16	ZZZZZZ	7096	44115	7911	2952
12:20	ZZZZZZ	7504	46368	8454	2849
12:24	MA10537-CCV6	6745	41374	7718	2490
12:28	MA10537-CCB6	7062	43910	7855	3009
12:32	ZZZZZZ	7050	42932	7736	2904
12:36	ZZZZZZ	6999	43769	7867	2875
12:40	ZZZZZZ	6694	41687	7827	2685
12:45	ZZZZZZ	7117	44588	7915	2979
12:49	ZZZZZZ	7070	43814	7930	2885
12:53	ZZZZZZ	7304	44198	8219	2783
12:57	ZZZZZZ	8736	54127	9953	2700
13:01	ZZZZZZ	6949	42950	7851	2833
13:05	ZZZZZZ	6832	42721	7825	2714
13:09	ZZZZZZ	7026	44041	7876	2915
13:13	MA10537-CCV7	6731	40978	7607	2488
13:17	MA10537-CCB7	7065	43365	7694	2991
13:22	ZZZZZZ	7055	43773	7940	2923
13:26	ZZZZZZ	6942	43428	7893	2851
13:30	ZZZZZZ	7131	44187	8047	2852
13:34	ZZZZZZ	7054	43249	7848	2887
13:38	ZZZZZZ	7078	43511	7853	2899
13:42	ZZZZZZ	7044	43859	7910	2889
13:46	ZZZZZZ	6971	43637	7862	2877

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:02	MA10537-CCV8	6706	41227	7664	2477
14:07	MA10537-CCB8	7005	43700	7745	2999
14:11	MP24623-MB1	7081	43149	7753	3062
14:16	MP24623-B1	6872	41497	7700	2650
14:20	FA1761-8	7826	48161	8722	2877
14:24	MP24623-D2	7805	48065	8777	2839
14:28	MP24623-SD1	7177	44489	7937	2957
14:32	MP24623-PS1	7711	46948	8661	2775
14:36	MP24623-S1	7486	46231	8616	2623
14:40	MP24623-S2	7475	46614	8714	2629
14:44	MA10537-CRIA2	6708	42216	7682	2849
14:48	MA10537-ICSA2	5958	36320	7293	2219
14:52	MA10537-CCV9	6530	40437	7400	2465
14:56	MA10537-CCB9	6877	43185	7603	3018
15:00	MA10537-ICSAB2	5901	36199	7274	2184
15:05	MA10537-CCV10	6440	40211	7446	2484
15:09	MA10537-CCB10	6874	42739	7524	3011

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10537 Units: ug/l

Time:			08:18		08:55		09:29		10:16	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.6	<200	11.2	<200	20.3	<200	9.5	<200
Antimony	6.0	1.3	0.0	<6.0	-1.2	<6.0	-0.60	<6.0	-1.1	<6.0
Arsenic	10	1.6	0.10	<10	0.30	<10	0.80	<10	0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.30	<5.0	0.10	<5.0
Calcium	1000	50	1.5	<1000	24.2	<1000	33.1	<1000	25.6	<1000
Chromium	10	1.8	-0.20	<10	0.0	<10	0.30	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	2.0	<300	6.5	<300	16.6	<300	6.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	2.9	<5000	10.6	<5000	32.4	<5000	23.3	<5000
Manganese	15	.7								
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	-0.80	<10	0.10	<10	0.10	<10	-1.0	<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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10537 Units: ug/l

Time:			11:08		11:39		12:28		13:17	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.9	<200	4.9	<200	-0.50	<200	15.7	<200
Antimony	6.0	1.3	-1.3	<6.0	1.6	<6.0	1.0	<6.0	2.1	<6.0
Arsenic	10	1.6	0.70	<10	0.20	<10	0.0	<10	0.0	<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	0.20	<5.0
Calcium	1000	50	16.7	<1000	11.8	<1000	12.5	<1000	14.1	<1000
Chromium	10	1.8	-0.30	<10	0.10	<10	0.20	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	4.3	<300	5.2	<300	10.5	<300	14.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	18.4	<5000	14.5	<5000	13.3	<5000	11.7	<5000
Manganese	15	.7								
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	-0.20	<10	-0.90	<10	-0.50	<10	-0.60	<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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10537 Units: ug/l

Time:			14:07		14:56		15:09	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	8.9	<200	7.8	<200	20.4	<200
Antimony	6.0	1.3	1.0	<6.0	1.5	<6.0	1.4	<6.0
Arsenic	10	1.6	-0.20	<10	-0.30	<10	0.0	<10
Barium	200	1	anr					
Beryllium	4.0	.5						
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	11.7	<1000	9.8	<1000	16.2	<1000
Chromium	10	1.8	0.0	<10	0.40	<10	0.40	<10
Cobalt	50	.5						
Copper	25	1	anr					
Iron	300	29	7.7	<300	12.8	<300	16.5	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	6.6	<5000	14.1	<5000	10.4	<5000
Manganese	15	.7						
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	anr					
Selenium	10	2	-0.70	<10	-1.4	<10	-1.4	<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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10537 Units: ug/l

Time:		08:12			08:47			09:25	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40600	101.5	40000	40600	101.5
Antimony	2000	1970	98.5	2000	2000	100.0	2000	2010	100.5
Arsenic	2000	1940	97.0	2000	2010	100.5	2000	2020	101.0
Barium	anr								
Beryllium									
Cadmium	2000	2010	100.5	2000	2060	103.0	2000	2050	102.5
Calcium	40000	42500	106.3	40000	40300	100.8	40000	39900	99.8
Chromium	2000	2010	100.5	2000	2050	102.5	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	41200	103.0	40000	39300	98.3	40000	38600	96.5
Lead	anr								
Magnesium	40000	41100	102.8	40000	39700	99.3	40000	39000	97.5
Manganese									
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10537 Units: ug/l

Time:		10:08			11:04			11:31	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	41300	103.3	40000	40400	101.0
Antimony	2000	1990	99.5	2000	2030	101.5	2000	2030	101.5
Arsenic	2000	1990	99.5	2000	2030	101.5	2000	2040	102.0
Barium	anr								
Beryllium									
Cadmium	2000	2060	103.0	2000	2080	104.0	2000	2070	103.5
Calcium	40000	40700	101.8	40000	38900	97.3	40000	40800	102.0
Chromium	2000	2100	105.0	2000	2070	103.5	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	40000	39000	97.5	40000	36500	91.3	40000	40500	101.3
Lead	anr								
Magnesium	40000	39500	98.8	40000	36600	91.5	40000	40600	101.5
Manganese									
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	1980	99.0	2000	2030	101.5	2000	2040	102.0
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10537 Units: ug/l

Time:		12:24			13:13			14:02	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	40200	100.5	40000	40800	102.0
Antimony	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0
Barium	anr								
Beryllium									
Cadmium	2000	2070	103.5	2000	2050	102.5	2000	2070	103.5
Calcium	40000	41100	102.8	40000	40800	102.0	40000	41500	103.8
Chromium	2000	2060	103.0	2000	2050	102.5	2000	2070	103.5
Cobalt									
Copper	anr								
Iron	40000	41100	102.8	40000	41400	103.5	40000	41300	103.3
Lead	anr								
Magnesium	40000	41100	102.8	40000	41200	103.0	40000	41500	103.8
Manganese									
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2040	102.0	2000	2020	101.0	2000	2050	102.5
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10537 Units: ug/l

Time:		14:52			15:05	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40300	100.8
Antimony	2000	2100	105.0	2000	2170	108.5
Arsenic	2000	2080	104.0	2000	2150	107.5
Barium	anr					
Beryllium						
Cadmium	2000	2070	103.5	2000	2100	105.0
Calcium	40000	40900	102.3	40000	40900	102.3
Chromium	2000	2050	102.5	2000	2060	103.0
Cobalt						
Copper	anr					
Iron	40000	43000	107.5	40000	43600	109.0
Lead	anr					
Magnesium	40000	42000	105.0	40000	42300	105.8
Manganese						
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	2000	2100	105.0	2000	2160	108.0
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10537 Units: ug/l

Time:		08:05	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79900	99.9
Antimony	4000	3950	98.8
Arsenic	4000	3960	99.0
Barium	anr		
Beryllium			
Cadmium	4000	3950	98.8
Calcium	80000	79400	99.3
Chromium	4000	3920	98.0
Cobalt			
Copper	anr		
Iron	80000	78400	98.0
Lead	anr		
Magnesium	80000	78800	98.5
Manganese			
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	4000	3940	98.5
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10537 Units: ug/l

Time:			08:22		14:44	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	207	103.5	209	104.5
Antimony	10	5.0	4.1	82.0	6.9	138.0*(a
Arsenic	20	10	10.4	104.0	10.3	103.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.3	106.0	5.4	108.0
Calcium	2000	1000	1050	105.0	1060	106.0
Chromium	20	10	10.6	106.0	10.3	103.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	309	103.0	373	124.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5140	102.8	5390	107.8
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	9.2	92.0	9.9	99.0
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10537 Units: ug/l

Time:			08:31		08:38		14:48		15:00	
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	507000	101.4	499000	99.8	492000	98.4
Antimony		1000	-1.5		1000	100.0	1.1		1080	108.0
Arsenic		1000	-1.8		1010	101.0	-0.50		1070	107.0
Barium		500	-0.50		483	96.6	-0.10		482	96.4
Beryllium		500	-0.10		454	90.8	-0.10		490	98.0
Cadmium		1000	-0.80		882	88.2	-2.1		892	89.2
Calcium	500000	500000	482000	96.4	466000	93.2	487000	97.4	472000	94.4
Chromium		500	-0.30		452	90.4	0.20		450	90.0
Cobalt		500	0.30		436	87.2	0.60		443	88.6
Copper		500	-1.1		483	96.6	1.6		512	102.4
Iron	200000	200000	182000	91.0	177000	88.5	199000	99.5	194000	97.0
Lead		1000	-0.60		875	87.5	-4.8		832	83.2
Magnesium	500000	500000	477000	95.4	468000	93.6	504000	100.8	497000	99.4
Manganese		500	-0.30		456	91.2	0.90		481	96.2
Molybdenum		1000	-0.20		938	93.8	0.0		1030	103.0
Nickel		1000	-0.10		857	85.7	0.90		925	92.5
Potassium			165		52.8		161		47.5	
Selenium		1000	0.0		983	98.3	1.0		1050	105.0
Silver		1000	-0.70		921	92.1	-1.2		959	95.9
Sodium			125		115		169		136	
Strontium		1000	4.2		1050	105.0	3.8		995	99.5
Thallium		1000	0.0		942	94.2	1.6		997	99.7
Tin		1000	-0.40		903	90.3	2.4		942	94.2
Titanium		1000	-2.7		1010	101.0	-2.6		1100	110.0
Vanadium		500	0.20		455	91.0	0.30		466	93.2
Zinc		1000	-0.70		885	88.5	14.8		892	89.2

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:09	MA10541-STD1	1		STDA
08:13	MA10541-STD2	1		STDB
08:18	MA10541-STD3	1		STDC
08:22	MA10541-STD4	1		STDD
08:26	MA10541-HSTD1	1		
08:33	MA10541-ICV1	1		
08:40	MA10541-ICB1	1		
09:05	MA10541-CRIA1	1		
09:13	MA10541-ICSA1	1		
09:20	MA10541-ICSAB1	1		
09:30	MA10541-CCV1	1		
09:39	MA10541-CCB1	1		
10:02	MA10541-CCV2	1		
10:11	MA10541-CCB2	1		
10:15	MP24625-MB1	1		
10:20	MP24625-B1	1		
10:24	FA1719-9	1		(sample used for QC only; not part of login FA1566)
10:28	MP24625-D1	1		
10:33	MP24625-SD1	5		
10:37	MP24625-PS1	1		
10:42	MP24625-S1	1		
10:46	MP24625-S2	1		
10:59	MA10541-CCV3	1		
11:04	MA10541-CCB3	1		
11:08	ZZZZZZ	1		
11:22	FA1566-1F	25		
---------->	Last reportable sample/prep for job FA1566			
11:26	ZZZZZZ	25		
11:31	ZZZZZZ	20		
11:35	FA1702-1	5		(sample used for QC only; not part of login FA1566)
11:40	MP24619-D1	5		
11:44	MP24619-S1	5		
11:49	MP24619-S2	5		
11:53	MA10541-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:58	MA10541-CCB4	1		
12:02	MP24619-PS1	5		
12:07	MP24619-SD1	25		
12:11	MP24627-MB1	1		
12:16	MP24627-B1	1		
12:20	FA1812-1	1		(sample used for QC only; not part of login FA1566)
12:25	MP24627-D1	1		
12:29	MP24627-SD1	5		
12:34	MP24627-PS1	1		
12:38	MP24627-S1	1		
12:43	MP24627-S2	1		
12:47	MA10541-CCV5	1		
12:51	MA10541-CCB5	1		
12:57	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:42	MA10541-CCV6	1		
13:46	MA10541-CCB6	1		
14:18	MA10541-CCV7	1		
14:27	MA10541-CCB7	1		
14:31	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:41	MP24630-MB1	1		
14:45	MP24630-B1	1		
14:50	FA1784-1	1		(sample used for QC only; not part of login FA1566)
14:54	MP24630-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:59	MP24630-SD1	5		
15:03	MP24630-PS1	1		
15:08	MP24630-S1	1		
15:12	MP24630-S2	1		
15:16	MA10541-CCV8	1		
15:20	MA10541-CCB8	1		
15:25	ZZZZZZ	1		
15:29	ZZZZZZ	1		
15:34	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:10	MA10541-CCV9	1		
16:14	MA10541-CCB9	1		
16:19	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:52	MA10541-CRIA2	1		
16:56	MA10541-ICSA2	1		
17:01	MA10541-ICSAB2	1		
17:06	MA10541-CCV10	1		
17:10	MA10541-CCB10	1		
---------->	Last reportable CCB for job FA1566			
17:14	MA10541-CCV11	1		
17:19	MA10541-CCB11	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:09	MA10541-STD1	2147	17856	6767	1236
08:13	MA10541-STD2	2098	17268	6684	1131
08:18	MA10541-STD3	2026	16604	6585	1025
08:22	MA10541-STD4	1959	16213	6543	946
08:26	MA10541-HSTD1	1957	16118	6491	945
08:33	MA10541-ICV1	2040	16540	6634	1021
08:40	MA10541-ICB1	2133 R	17308 R	6706 R	1208 R
09:05	MA10541-CRIA1	2089	16537	6635	1128
09:13	MA10541-ICSA1	1843	14098	6293	848
09:20	MA10541-ICSAB1	1860	14199	6347	845
09:30	MA10541-CCV1	2018	15622	6549	984
09:39	MA10541-CCB1	2107	16374	6592	1161
10:02	MA10541-CCV2	1987	15333	6546	969
10:11	MA10541-CCB2	2077	16129	6665	1146
10:15	MP24625-MB1	2105	16410	6769	1160
10:20	MP24625-B1	2042	15659	6702	1028
10:24	FA1719-9	2211	16953	7089	1107
10:28	MP24625-D1	2214	16955	7085	1102
10:33	MP24625-SD1	2135	16375	6787	1137
10:37	MP24625-PS1	2169	16605	7064	1061
10:42	MP24625-S1	2120	16162	6960	1003
10:46	MP24625-S2	2156	16390	7083	1001
10:59	MA10541-CCV3	1999	15157	6572	963
11:04	MA10541-CCB3	2076	15797	6617	1132
11:08	ZZZZZZ	2913	21692	9582	1016
11:22	FA1566-1F	2081	15367	6718	984
11:26	ZZZZZZ	2105	15634	6880	961
11:31	ZZZZZZ	2044	15085	6684	983
11:35	FA1702-1	1879	14136	6331	898
11:40	MP24619-D1	1882	14201	6382	901
11:44	MP24619-S1	1914	14395	6381	898
11:49	MP24619-S2	1890	14151	6347	879
11:53	MA10541-CCV4	1968	14687	6448	938

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:58	MA10541-CCB4	2071	15447	6536	1112
12:02	MP24619-PS1	1874	14022	6295	892
12:07	MP24619-SD1	1967	14828	6519	1010
12:11	MP24627-MB1	2057	15861	6679	1124
12:16	MP24627-B1	1979	14859	6619	986
12:20	FA1812-1	2287	16996	7623	1003
12:25	MP24627-D1	2248	16834	7446	1009
12:29	MP24627-SD1	2095	15800	6635	1062
12:34	MP24627-PS1	2253	17177	7511	995
12:38	MP24627-S1	2126	16318	7148	973
12:43	MP24627-S2	2170	16598	7344	964
12:47	MA10541-CCV5	1946	14873	6501	939
12:51	MA10541-CCB5	2032	15676	6620	1108
12:57	ZZZZZZ	2229	16886	7425	1006
13:02	ZZZZZZ	2322	17609	7505	1039
13:06	ZZZZZZ	5004 !	38187 !	16816 !	893
13:11	ZZZZZZ	2502	19688	8582	974
13:15	ZZZZZZ	2061	15894	6752	1046
13:20	ZZZZZZ	1850	14536	7179	568
13:24	ZZZZZZ	2075	16042	6819	1060
13:29	ZZZZZZ	2059	15822	6636	1042
13:33	ZZZZZZ	2056	15902	6629	1061
13:38	ZZZZZZ	1870	14748	7352	543
13:42	MA10541-CCV6	1935	15017	6518	937
13:46	MA10541-CCB6	2016	15608	6582	1103
14:18	MA10541-CCV7	1891	14717	6351	932
14:27	MA10541-CCB7	1990	15718	6581	1102
14:31	ZZZZZZ	2457	19350	8751	909
14:36	ZZZZZZ	2526	19527	8582	928
14:41	MP24630-MB1	1994	15977	6512	1123
14:45	MP24630-B1	1917	15222	6528	978
14:50	FA1784-1	1886	15218	6631	991
14:54	MP24630-D1	1889	14996	6441	986

INTERNAL STANDARD SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:59	MP24630-SD1	1954	15465	6406	1075
15:03	MP24630-PS1	1859	14903	6380	973
15:08	MP24630-S1	1839	14869	6460	925
15:12	MP24630-S2	1840	14885	6541	924
15:16	MA10541-CCV8	1899	15006	6457	933
15:20	MA10541-CCB8	1973	15639	6354	1111
15:25	ZZZZZZ	1816	14756	6448	947
15:29	ZZZZZZ	1956	15741	6808	982
15:34	ZZZZZZ	1863	14997	6550	981
15:38	ZZZZZZ	2560	20166	8722	914
15:43	ZZZZZZ	2483	19919	8695	913
15:47	ZZZZZZ	1954	15904	6641	1076
15:52	ZZZZZZ	1985	15937	6697	1064
15:56	ZZZZZZ	1885	14871	6429	929
16:01	ZZZZZZ	1924	15490	6475	1046
16:06	ZZZZZZ	1940	15678	6614	1051
16:10	MA10541-CCV9	1888	14971	6473	927
16:14	MA10541-CCB9	1975	15725	6398	1111
16:19	ZZZZZZ	1849	15061	6431	1001
16:23	ZZZZZZ	1751	14148	6312	875
16:28	ZZZZZZ	1986	15956	6661	1100
16:47	ZZZZZZ	1952	15751	6661	1060
16:52	MA10541-CRIA2	1943	15360	6335	1059
16:56	MA10541-ICSA2	1715	13319	5950	802
17:01	MA10541-ICSAB2	1722	13535	6111	793
17:06	MA10541-CCV10	1886	15147	6421	931
17:10	MA10541-CCB10	1989	16019	6597	1108
17:14	MA10541-CCV11	1886	14903	6305	935
17:19	MA10541-CCB11	1976	15796	6329	1117

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10541 Units: ug/l

Time:			08:40		09:39		10:11		11:04	
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	-22	<10000	-38	<10000	-1.4	<10000	16.2	<10000
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	0.10	<10000	2.6	<10000	2.9	<10000	8.7	<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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10541 Units: ug/l

Time:			11:58		12:51		13:46		14:27	
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	anr							
Nickel	40	.5	anr							
Potassium	10000	200	20.7	<10000	3.4	<10000	19.9	<10000	15.4	<10000
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	18.4	<10000	17.5	<10000	20.1	<10000	10.8	<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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10541 Units: ug/l

Time:			15:20		16:14		17:10	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	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	6.2	<10000	4.2	<10000	36.3	<10000
Selenium	10	2	anr					
Silver	10	.5	anr					
Sodium	10000	500	8.1	<10000	11.0	<10000	14.1	<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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		08:33			09:30			10:02	
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	40000	41700	104.3	40000	41600	104.0	40000	41100	102.8
Selenium	anr								
Silver	anr								
Sodium	40000	38100	95.3	40000	41400	103.5	40000	41200	103.0
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		10:59			11:53			12:47	
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	anr								
Nickel	anr								
Potassium	40000	41400	103.5	40000	41700	104.3	40000	42000	105.0
Selenium	anr								
Silver	anr								
Sodium	40000	41400	103.5	40000	41600	104.0	40000	42100	105.3
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		13:42			14:18			15:16	
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	anr								
Nickel	anr								
Potassium	40000	41800	104.5	40000	40700	101.8	40000	40600	101.5
Selenium	anr								
Silver	anr								
Sodium	40000	41900	104.8	40000	40800	102.0	40000	40700	101.8
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		16:10			17:06	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	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	40000	40600	101.5	40000	40400	101.0
Selenium	anr					
Silver	anr					
Sodium	40000	40600	101.5	40000	40600	101.5
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10541 Units: ug/l

Time:		08:26	
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	80000	80500	100.6
Selenium	anr		
Silver	anr		
Sodium	80000	80400	100.5
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10541 Units: ug/l

Time:			09:05		16:52	
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	10400	104.0	10400	104.0
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10300	103.0
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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10541 Units: ug/l

Time:			09:13		09:20		16:56		17:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	499000	99.8	493000	98.6	534000	106.8	530000	106.0
Antimony		1000	-0.10		1000	100.0	-0.90		1040	104.0
Arsenic		1000	0.0		1000	100.0	-2.8		1040	104.0
Barium		500	0.0		497	99.4	-0.40		489	97.8
Beryllium		500	-0.10		475	95.0	-0.10		470	94.0
Cadmium		1000	-0.40		847	84.7	0.0		875	87.5
Calcium	500000	500000	494000	98.8	485000	97.0	482000	96.4	472000	94.4
Chromium		500	-0.10		454	90.8	-0.20		445	89.0
Cobalt		500	-0.60		438	87.6	-0.40		423	84.6
Copper		500	0.0		542	108.4	1.5		496	99.2
Iron	200000	200000	183000	91.5	178000	89.0	190000	95.0	185000	92.5
Lead		1000	-0.20		881	88.1	1.9		863	86.3
Magnesium	500000	500000	525000	105.0	522000	104.4	514000	102.8	505000	101.0
Manganese		500	0.60		479	95.8	0.70		455	91.0
Molybdenum		1000	0.30		1010	101.0	1.1		964	96.4
Nickel		1000	0.70		845	84.5	1.0		852	85.2
Potassium			-26		-40		94.8		71.4	
Selenium		1000	0.0		951	95.1	-0.10		1020	102.0
Silver		1000	0.0		1070	107.0	-0.40		932	93.2
Sodium			77.4		75.7		115		94.8	
Strontium		1000	4.2		1080	108.0	4.3		1070	107.0
Thallium		1000	1.3		946	94.6	3.1		932	93.2
Tin		1000	0.0		913	91.3	0.40		905	90.5
Titanium		1000	-1.9		1100	110.0	-1.1		1030	103.0
Vanadium		500	-0.80		495	99.0	-0.80		453	90.6
Zinc		1000	0.50		865	86.5	-0.10		868	86.8

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/11/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-0.40	<200
Antimony	6.0	1.3	1.3	-0.50	<6.0
Arsenic	10	1.6	2.5	-1.3	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	29.3	<1000
Chromium	10	1.8	2	0.0	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-0.90	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-23	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-24	<10000
Selenium	10	2	2	0.90	<10
Silver	10	.5	.5		
Sodium	10000	500	500	2.0	<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 MP24591: FA1566-2

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/11/13					02/11/13	
Metal	FA1589-1 Original	DUP	RPD	QC Limits	FA1589-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	78.1	67.8	14.1	0-20	78.1	29500	27000	109.0	80-120
Antimony	0.0	0.0	NC	0-20	0.0	536	500	107.2	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2060	2000	103.0	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	51.6	50	103.2	80-120
Calcium	30200	29000	4.1	0-20	30200	56100	25000	103.6	80-120
Chromium	0.0	0.0	NC	0-20	0.0	223	200	111.5	80-120
Cobalt									
Copper	anr								
Iron	15800	15100	4.5	0-20	15800	43600	26000	106.9	80-120
Lead	anr								
Magnesium	2360	2260	4.3	0-20	2360	28600	25000	105.0	80-120
Manganese									
Molybdenum									
Nickel	anr								
Potassium	2350	2250	4.3	0-20	2350	29000	25000	106.6	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2090	2000	104.5	80-120
Silver	anr								
Sodium	892	838	6.2	0-20	892	27800	25000	107.6	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP24591: FA1566-2

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/11/13

Metal	FA1589-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	78.1	28300	27000	104.5	4.2	20
Antimony	0.0	497	500	99.4	7.6	20
Arsenic	0.0	1930	2000	96.5	6.5	20
Barium	anr					
Beryllium						
Cadmium	0.0	48.1	50	96.2	7.0	20
Calcium	30200	56300	25000	104.4	0.4	20
Chromium	0.0	206	200	103.0	7.9	20
Cobalt						
Copper	anr					
Iron	15800	42300	26000	101.9	3.0	20
Lead	anr					
Magnesium	2360	27900	25000	102.2	2.5	20
Manganese						
Molybdenum						
Nickel	anr					
Potassium	2350	28400	25000	104.2	2.1	20
Selenium	0.0	1960	2000	98.0	6.4	20
Silver	anr					
Sodium	892	27100	25000	104.8	2.6	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP24591: FA1566-2

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/11/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	29500	27000	109.3	80-120
Antimony	546	500	109.2	80-120
Arsenic	2080	2000	104.0	80-120
Barium	anr			
Beryllium				
Cadmium	52.3	50	104.6	80-120
Calcium	25800	25000	103.2	80-120
Chromium	214	200	107.0	80-120
Cobalt				
Copper	anr			
Iron	27900	26000	107.3	80-120
Lead	anr			
Magnesium	25900	25000	103.6	80-120
Manganese				
Molybdenum				
Nickel	anr			
Potassium	28300	25000	113.2	80-120
Selenium	2120	2000	106.0	80-120
Silver	anr			
Sodium	28600	25000	114.4	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24591: FA1566-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/11/13

Metal	FA1589-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	78.1	0.00	100.0(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	30200	34400	14.0*(b)	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	15800	17600	11.4*(b)	0-10
Lead	anr			
Magnesium	2360	2580	9.2	0-10
Manganese				
Molybdenum				
Nickel	anr			
Potassium	2350	2510	6.9	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	892	0.00	100.0(a)	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24591: FA1566-2

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24591
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/11/13

Metal	Sample ml	Final ml	FA1589-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	78.1	76.538	2646	0.2	125	2500	102.8	80-120
Antimony	9.8	10	0	0	108.2	0.2	5	100	108.2	80-120
Arsenic	9.8	10	0	0	104.8	0.2	5	100	104.8	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	52.8	0.2	2.5	50	105.6	80-120
Calcium	9.8	10	30190	29586.2	35580	0.2	250	5000	119.9	80-120
Chromium	9.8	10	0	0	54	0.2	2.5	50	108.0	80-120
Cobalt										
Copper										
Iron	9.8	10	15810	15493.8	18530	0.2	150	3000	101.2	80-120
Lead										
Magnesium	9.8	10	2360	2312.8	7132	0.2	250	5000	96.4	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	2351	2303.98	13270	0.2	500	10000	109.7	80-120
Selenium	9.8	10	0	0	107.1	0.2	5	100	107.1	80-120
Silver										
Sodium	9.8	10	891.9	874.062	12060	0.2	500	10000	111.9	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24591: FA1566-2

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24602
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/12/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	0.36	<10
Antimony	1.0	.065	.095	0.035	<1.0
Arsenic	0.50	.08	.08	-0.060	<0.50
Barium	10	.05	.25	0.020	<10
Beryllium	0.25	.025	.025	-0.015	<0.25
Cadmium	0.20	.025	.025	-0.0050	<0.20
Calcium	250	2.5	2.5	1.1	<250
Chromium	0.50	.09	.09	0.0	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	1.2	<15
Lead	1.0	.055	.055	-0.015	<1.0
Magnesium	250	3.7	3.8	0.36	<250
Manganese	0.75	.035	.045	0.030	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	0.015	<2.0
Potassium	500	10	10	1.8	<500
Selenium	1.0	.1	.15	0.11	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	1.9	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.075	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	0.0050	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24602: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24602
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			02/12/13					02/12/13	
Metal	FA1575-2 Original	DUP	RPD	QC Limits	FA1575-2 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	637	662	3.8	0-20	637	1790	1050	109.5	80-120
Antimony	0.0	0.0	NC	0-20	0.0	16.9	19.5	86.6	80-120
Arsenic	0.13	0.17	26.7 (a)	0-20	0.13	72.3	78	92.5	80-120
Barium	2.5	2.6	3.9	0-20	2.5	85.4	78	106.3	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	2.1	1.95	107.7	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	2.1	1.95	107.7	80-120
Calcium	40.0	49.2	20.6 (a)	0-20	40.0	1090	975	107.7	80-120
Chromium	2.9	2.9	0.0	0-20	2.9	10.7	7.8	100.0	80-120
Cobalt	anr								
Copper	anr								
Iron	636	673	5.7	0-20	636	1630	1010	98.0	80-120
Lead	4.2	4.0	4.9	0-20	4.2	26.5	19.5	114.3	80-120
Magnesium	33.8	36.7	8.2	0-20	33.8	1050	975	104.2	80-120
Manganese	5.5	5.1	7.5	0-20	5.5	21.8	19.5	83.6	80-120
Molybdenum									
Nickel	0.33	0.33	0.0	0-20	0.33	21.4	19.5	108.0	80-120
Potassium	36.2	36.6	1.1	0-20	36.2	1010	975	99.8	80-120
Selenium	0.087	0.0	200.0(a)	0-20	0.087	77.2	78	98.8	80-120
Silver	anr								
Sodium	0.00	0.00	NC	0-20	0.00	1030	975	105.6	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	79.6	78	102.0	80-120
Tin									
Titanium									
Vanadium	3.1	3.1	0.0	0-20	3.1	22.6	19.5	100.0	80-120
Zinc	anr								

Associated samples MP24602: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24602
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/12/13

Metal	FA1575-2 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	637	2100	1230	119.2	15.9	20
Antimony	0.0	19.3	22.7	84.9	13.3	20
Arsenic	0.13	83.7	90.9	91.9	14.6	20
Barium	2.5	99.9	90.9	107.1	15.7	20
Beryllium	0.0	2.5	2.27	110.0	17.4	20
Cadmium	0.0	2.4	2.27	105.6	13.3	20
Calcium	40.0	1290	1140	110.0	16.8	20
Chromium	2.9	12.4	9.09	104.5	14.7	20
Cobalt	anr					
Copper	anr					
Iron	636	1830	1180	101.0	11.6	20
Lead	4.2	27.6	22.7	102.9	4.1	20
Magnesium	33.8	1240	1140	106.1	16.6	20
Manganese	5.5	25.3	22.7	87.1	14.9	20
Molybdenum						
Nickel	0.33	25.0	22.7	108.5	15.5	20
Potassium	36.2	1200	1140	102.4	17.2	20
Selenium	0.087	90.0	90.9	98.9	15.3	20
Silver	anr					
Sodium	0.00	1230	1140	108.2	17.7	20
Strontium						
Thallium	0.0	92.6	90.9	101.8	15.1	20
Tin						
Titanium						
Vanadium	3.1	26.1	22.7	101.2	14.4	20
Zinc	anr					

Associated samples MP24602: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24602
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/12/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1410	1350	104.4	80-120
Antimony	26.6	25	106.4	80-120
Arsenic	103	100	103.0	80-120
Barium	108	100	108.0	80-120
Beryllium	2.7	2.5	108.0	80-120
Cadmium	2.7	2.5	108.0	80-120
Calcium	1320	1250	105.6	80-120
Chromium	11.0	10	110.0	80-120
Cobalt	anr			
Copper	anr			
Iron	1360	1300	104.6	80-120
Lead	24.2	25	96.8	80-120
Magnesium	1270	1250	101.6	80-120
Manganese	26.8	25	107.2	80-120
Molybdenum				
Nickel	27.3	25	109.2	80-120
Potassium	1240	1250	99.2	80-120
Selenium	104	100	104.0	80-120
Silver	anr			
Sodium	1290	1250	103.2	80-120
Strontium				
Thallium	102	100	102.0	80-120
Tin				
Titanium				
Vanadium	26.2	25	104.8	80-120
Zinc	anr			

Associated samples MP24602: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24602
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/12/13

Metal	FA1575-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	15300	15700	2.3	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	3.20	0.00	100.0(a)	0-10
Barium	59.6	60.4	1.3	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	964	1530	58.4 (a)	0-10
Chromium	69.2	71.8	3.8	0-10
Cobalt	anr			
Copper	anr			
Iron	15300	15700	2.7	0-10
Lead	102	103	1.0	0-10
Magnesium	814	866	6.4	0-10
Manganese	131	134	2.1	0-10
Molybdenum				
Nickel	8.00	10.8	35.0 (a)	0-10
Potassium	871	0.00	100.0(a)	0-10
Selenium	2.10	0.00	100.0(a)	0-10
Silver	anr			
Sodium	0.00	0.00	NC	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	73.5	75.6	2.9	0-10
Zinc	anr			

Associated samples MP24602: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24602
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/12/13

Metal	Sample ml	Final ml	FA1575-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	15340	15033.2	17490	0.2	125	2500	98.3	80-120
Antimony	9.8	10	0	0	103.1	0.2	5	100	103.1	80-120
Arsenic	9.8	10	3.2	3.136	102	0.2	5	100	98.9	80-120
Barium	9.8	10	59.6	58.408	308.3	0.2	12.5	250	100.0	80-120
Beryllium	9.8	10	0	0	52.6	0.2	2.5	50	105.2	80-120
Cadmium	9.8	10	0	0	52	0.2	2.5	50	104.0	80-120
Calcium	9.8	10	963.5	944.23	7021	0.2	250	5000	121.5*(a	80-120
Chromium	9.8	10	69.2	67.816	119.5	0.2	2.5	50	103.4	80-120
Cobalt										
Copper										
Iron	9.8	10	15300	14994	18140	0.2	150	3000	104.9	80-120
Lead	9.8	10	101.9	99.862	149.2	0.2	2.5	50	98.7	80-120
Magnesium	9.8	10	814.1	797.818	5832	0.2	250	5000	100.7	80-120
Manganese	9.8	10	131.4	128.772	178.9	0.2	2.5	50	100.3	80-120
Molybdenum										
Nickel	9.8	10	8	7.84	112.6	0.2	5	100	104.8	80-120
Potassium	9.8	10	871.2	853.776	10590	0.2	500	10000	97.4	80-120
Selenium	9.8	10	2.1	2.058	98.3	0.2	5	100	96.2	80-120
Silver										
Sodium	9.8	10	0	0	10400	0.2	500	10000	104.0	80-120
Strontium										
Thallium	9.8	10	0	0	96.8	0.2	5	100	96.8	80-120
Tin										
Titanium										
Vanadium	9.8	10	73.5	72.03	123.2	0.2	2.5	50	102.3	80-120
Zinc										

Associated samples MP24602: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7

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.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	2.8	<200
Antimony	6.0	1.3	1.3	0.80	<6.0
Arsenic	10	1.6	2.5	0.0	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	10.2	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	2.8	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	12.2	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-25	<10000
Selenium	10	2	2	-0.10	<10
Silver	10	.5	.5		
Sodium	10000	500	500	4.8	<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 MP24608: FA1566-1F

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/13/13					02/13/13	
Metal	FA1672-1 Original	DUP	RPD	QC Limits	FA1672-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	125	126	0.8	0-20	125	28700	27000	105.8	80-120
Antimony	1.8	1.4	25.0 (a)	0-20	1.8	529	500	105.4	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	49.8	50	99.6	80-120
Calcium	85900	85100	0.9	0-20	85900	107000	25000	84.4	80-120
Chromium	0.0	0.0	NC	0-20	0.0	213	200	106.5	80-120
Cobalt									
Copper	anr								
Iron	882	874	0.9	0-20	882	28600	26000	106.6	80-120
Lead	anr								
Magnesium	20900	20700	1.0	0-20	20900	46100	25000	100.8	80-120
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	3540	3490	1.4	0-20	3540	30300	25000	107.0	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2060	2000	103.0	80-120
Silver	anr								
Sodium	31400	31200	0.6	0-20	31400	56300	25000	99.6	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP24608: FA1566-1F

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	FA1672-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	125	29300	27000	108.1	2.1	20
Antimony	1.8	539	500	107.4	1.9	20
Arsenic	0.0	2080	2000	104.0	1.9	20
Barium						
Beryllium						
Cadmium	0.0	50.6	50	101.2	1.6	20
Calcium	85900	110000	25000	96.4	2.8	20
Chromium	0.0	217	200	108.5	1.9	20
Cobalt						
Copper	anr					
Iron	882	29100	26000	108.5	1.7	20
Lead	anr					
Magnesium	20900	47000	25000	104.4	1.9	20
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	3540	30800	25000	109.0	1.6	20
Selenium	0.0	2110	2000	105.5	2.4	20
Silver	anr					
Sodium	31400	58200	25000	107.2	3.3	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP24608: FA1566-1F

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28900	27000	107.0	80-120
Antimony	538	500	107.6	80-120
Arsenic	2050	2000	102.5	80-120
Barium				
Beryllium				
Cadmium	52.1	50	104.2	80-120
Calcium	27100	25000	108.4	80-120
Chromium	220	200	110.0	80-120
Cobalt				
Copper	anr			
Iron	28600	26000	110.0	80-120
Lead	anr			
Magnesium	26600	25000	106.4	80-120
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	27300	25000	109.2	80-120
Selenium	2090	2000	104.5	80-120
Silver	anr			
Sodium	27300	25000	109.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24608: FA1566-1F

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	FA1672-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	125	131	4.5	0-10
Antimony	1.80	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	85900	85700	0.2	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	882	868	1.6	0-10
Lead	anr			
Magnesium	20900	21000	0.6	0-10
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	3540	3370	4.7	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	31400	30300	3.5	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24608: FA1566-1F

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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	Sample ml	Final ml	FA1672-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	124.9	122.402	2690	0.2	125	2500	102.7	80-120
Antimony	9.8	10	1.8	1.764	109.9	0.2	5	100	108.1	80-120
Arsenic	9.8	10	0	0	104.9	0.2	5	100	104.9	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	53.5	0.2	2.5	50	107.0	80-120
Calcium	9.8	10	85900	84182	90150	0.2	250	5000	119.4	80-120
Chromium	9.8	10	0	0	54.7	0.2	2.5	50	109.4	80-120
Cobalt										
Copper										
Iron	9.8	10	882	864.36	4029	0.2	150	3000	105.5	80-120
Lead										
Magnesium	9.8	10	20850	20433	25510	0.2	250	5000	101.5	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	3535	3464.3	14310	0.2	500	10000	108.5	80-120
Selenium	9.8	10	0	0	107	0.2	5	100	107.0	80-120
Silver										
Sodium	9.8	10	31420	30791.6	41950	0.2	500	10000	111.6	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24608: FA1566-1F

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

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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1566
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	GN54160	5.0	0.0	mg/l	250	254	102.0	90-113%
Bromide	GP20948/GN54075	0.50	0.0	mg/l	12.5	13.1	104.8	90-110%
Bromide	GP20984/GN54173	5.0	0.0	mg/kg	125	130	104.1	90-110%
Chloride	GP20948/GN54075	2.0	0.0	mg/l	50	51.3	102.6	90-110%
Chloride	GP20984/GN54173	20	0.0	mg/kg	500	512	102.5	90-110%
Fluoride	GP20948/GN54075	0.20	0.0	mg/l	2.5	2.50	100.0	90-110%
Fluoride	GP20984/GN54173	1.0	0.0	mg/kg	25	25.1	100.5	90-110%
Nitrogen, Ammonia	GP20995/GN54202	1.2	0.0	mg/kg	30	29.9	99.7	80-120%
Nitrogen, Ammonia	GP21023/GN54262	1.2	0.0	mg/kg	29.4	30.7	104.4	80-120%
Nitrogen, Nitrate	GP20948/GN54075	0.10	0.0	mg/l	2.5	2.54	101.6	90-110%
Nitrogen, Nitrate	GP20984/GN54173	1.0	0.0	mg/kg	25	25.0	100.1	90-110%
Nitrogen, Nitrite	GP20948/GN54075	0.10	0.0	mg/l	2.5	2.59	103.6	90-110%
Nitrogen, Nitrite	GP20984/GN54173	1.0	0.0	mg/kg	25	25.5	102.1	90-110%
Nitrogen, Total Kjeldahl	GP20970/GN54165	11	0.0	mg/kg	105	108	102.9	80-120%
Phosphate, Ortho	GP20943/GN54063	0.10	0.0	mg/l	0.300	0.28	94.3	83-116%
Phosphorus, Total	GP20981/GN54175	0.10	0.0	mg/l	.300	0.29	95.5	81-118%
Phosphorus, Total	GP20998/GN54210	6.7	0.0	mg/kg	20.0	18.3	91.5	81-126%
Solids, Total Dissolved	GN54100	100	0.0	mg/l				
Specific Conductivity	GN54066	1.0	0.0	umhos/cm				
Sulfate	GP20948/GN54075	2.0	0.0	mg/l	50	53.2	106.4	90-110%
Sulfate	GP20984/GN54173	20	0.0	mg/kg	500	513	102.7	90-110%

Associated Samples:
Batch GN54066: FA1566-1, FA1566-2
Batch GN54100: FA1566-1, FA1566-2
Batch GN54160: FA1566-1, FA1566-2
Batch GP20943: FA1566-1F, FA1566-2
Batch GP20948: FA1566-1, FA1566-2
Batch GP20970: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GP20981: FA1566-1, FA1566-2
Batch GP20984: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GP20995: FA1566-3, FA1566-4, FA1566-5
Batch GP20998: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GP21023: FA1566-6, FA1566-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1566
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	GN54160	FA1526-1	mg/l	75.7	75.5	0.3	0-20%
Phosphate, Ortho	GP20943/GN54063	FA1564-6F	mg/l	0.020 U	0.0	15.2	0-26%
Phosphorus, Total	GP20981/GN54175	FA1566-1	mg/l	4550	4390	3.6	0-22%
Phosphorus, Total	GP20998/GN54210	FA1566-3	mg/kg	27700	27600	0.4	0-23%
Solids, Percent	GN54123	FA1566-3	%	85.4	85.7	0.4	0-5%
Solids, Percent	GN54123	FA1566-4	%	86.9	87.5	0.7	0-5%
Solids, Total Dissolved	GN54100	FA1507-7	mg/l	322	318	1.3	0-5%
Specific Conductivity	GN54066	FA1566-1	umhos/cm	11300	11300	0.3	0-10%
pH	GN54089	FA1566-1	su	2.39	2.40	0.4	0-10%
pH	GN54306	FA1565-1	su	6.84	7.17	4.7	0-10%

Associated Samples:
Batch GN54066: FA1566-1, FA1566-2
Batch GN54089: FA1566-1, FA1566-2
Batch GN54100: FA1566-1, FA1566-2
Batch GN54123: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GN54160: FA1566-1, FA1566-2
Batch GN54306: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GP20943: FA1566-1F, FA1566-2
Batch GP20981: FA1566-1, FA1566-2
Batch GP20998: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1566
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	GN54160	FA1526-1	mg/l	75.7	250	318	96.8	90-113%
Bromide	GP20948/GN54075	FA1566-2	mg/l	0.12 U	12.5	11.9	95.2	90-110%
Bromide	GP20984/GN54173	FA1564-5	mg/kg	6.2 U	154	114	74.1N(a)	90-110%
Chloride	GP20948/GN54075	FA1566-2	mg/l	0.80 U	50	48.6	97.2	90-110%
Chloride	GP20984/GN54173	FA1564-5	mg/kg	44 U	615	626	101.8	90-110%
Fluoride	GP20948/GN54075	FA1566-2	mg/l	0.85	2.5	2.0	46.0N(a)	90-110%
Fluoride	GP20984/GN54173	FA1564-5	mg/kg	6.1	30.8	12.5	20.8N(a)	90-110%
Nitrogen, Ammonia	GP20995/GN54202	FA1446-4	mg/kg	184	35.4	213	81.8	80-120%
Nitrogen, Ammonia	GP21023/GN54262	FA1772-1	mg/kg	39.6	35.6	69.0	82.6(a)	80-120%
Nitrogen, Nitrate	GP20948/GN54075	FA1566-2	mg/l	0.050 U	2.5	2.3	92.0	90-110%
Nitrogen, Nitrate	GP20984/GN54173	FA1564-5	mg/kg	6.2	30.8	31.2	81.3N(a)	90-110%
Nitrogen, Nitrite	GP20948/GN54075	FA1566-2	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Nitrite	GP20984/GN54173	FA1564-5	mg/kg	3.1 U	30.8	27.2	88.4N(a)	90-110%
Nitrogen, Total Kjeldahl	GP20970/GN54165	FA1564-1	mg/kg	376	116	439	54.1N(a)	80-120%
Phosphate, Ortho	GP20943/GN54063	FA1564-6F	mg/l	0.020 U	0.300	0.29	188.5*(a)	83-116%
Phosphorus, Total	GP20981/GN54175	FA1566-1	mg/l	4550	.300	4450	0.0(b)	81-118%
Phosphorus, Total	GP20998/GN54210	FA1566-3	mg/kg	27700	23.4	27700	28.2(b)	81-126%
Sulfate	GP20948/GN54075	FA1566-2	mg/l	0.60 U	50	46.7	93.4	90-110%
Sulfate	GP20984/GN54173	FA1564-5	mg/kg	1140	615	1710	92.7	90-110%

Associated Samples:
Batch GN54160: FA1566-1, FA1566-2
Batch GP20943: FA1566-1F, FA1566-2
Batch GP20948: FA1566-1, FA1566-2
Batch GP20970: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GP20981: FA1566-1, FA1566-2
Batch GP20984: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GP20995: FA1566-3, FA1566-4, FA1566-5
Batch GP20998: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GP21023: FA1566-6, FA1566-7
(*) 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: FA1566
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	GP20948/GN54075	FA1566-2	mg/l	0.12 U	12.5	11.8	0.8	
Bromide	GP20984/GN54173	FA1564-5	mg/kg	6.2 U	154	177	43.3N(a)	
Chloride	GP20948/GN54075	FA1566-2	mg/l	0.80 U	50	48.4	0.4	
Chloride	GP20984/GN54173	FA1564-5	mg/kg	44 U	615	619	1.1	
Fluoride	GP20948/GN54075	FA1566-2	mg/l	0.85	2.5	2.0	0.0N(a)	
Fluoride	GP20984/GN54173	FA1564-5	mg/kg	6.1	30.8	11.8	5.8N(a)	
Nitrogen, Ammonia	GP20995/GN54202	FA1446-4	mg/kg	184	34.8	207	2.9	30%
Nitrogen, Ammonia	GP21023/GN54262	FA1772-1	mg/kg	39.6	34.9	73.0	5.6	30%
Nitrogen, Nitrate	GP20948/GN54075	FA1566-2	mg/l	0.050 U	2.5	2.3	0.0	
Nitrogen, Nitrate	GP20984/GN54173	FA1564-5	mg/kg	6.2	30.8	31.5	1.0N(a)	
Nitrogen, Nitrite	GP20948/GN54075	FA1566-2	mg/l	0.050 U	2.5	2.4	0.0	
Nitrogen, Nitrite	GP20984/GN54173	FA1564-5	mg/kg	3.1 U	30.8	28.3	4.0	
Nitrogen, Total Kjeldahl	GP20970/GN54165	FA1564-1	mg/kg	376	116	578	27.3N(a)	30%
Phosphorus, Total	GP20981/GN54175	FA1566-1	mg/l	4550	.300	4490	0.9(b)	22%
Phosphorus, Total	GP20998/GN54210	FA1566-3	mg/kg	27700	23.4	27800	0.4(b)	23%
Sulfate	GP20948/GN54075	FA1566-2	mg/l	0.60 U	50	46.5	0.4	
Sulfate	GP20984/GN54173	FA1564-5	mg/kg	1140	615	1670	2.4N(a)	

Associated Samples:
Batch GP20948: FA1566-1, FA1566-2
Batch GP20970: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GP20981: FA1566-1, FA1566-2
Batch GP20984: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GP20995: FA1566-3, FA1566-4, FA1566-5
Batch GP20998: FA1566-3, FA1566-4, FA1566-5, FA1566-6, FA1566-7
Batch GP21023: FA1566-6, FA1566-7
(*) 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: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313080201.TXT Date Analyzed: 02/08/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54075
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:51	GN54075-CCV1	1		
10:07	GN54075-CCB1	1		
10:23	GP20948-MB1	1		
10:39	GP20948-B1	1		
11:26	ZZZZZZ	2		
11:42	ZZZZZZ	2		
11:58	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:46	ZZZZZZ	1		
13:02	GN54075-CCV2	1		
13:18	GN54075-CCB2	1		
13:34	ZZZZZZ	1		
13:50	FA1566-1	100		
14:05	FA1566-2	1		
14:23	FA1566-1	1000		
15:18	GP20948-S1	1		
15:34	GP20948-S2	1		
15:49	GN54075-CCV3	1		
16:05	GN54075-CCB3	1		
16:21	GP20947-MB1	1		
16:37	GP20947-B1	1		
16:53	ZZZZZZ	2		
17:09	ZZZZZZ	5		
17:25	FA1371-3	1		(sample used for QC only; not part of login FA1566)
17:41	ZZZZZZ	5		
17:57	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:28	ZZZZZZ	1		
19:00	GN54075-CCV4	1		
19:16	GN54075-CCB4	1		
19:32	ZZZZZZ	1		
19:48	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313080201.TXT Date Analyzed: 02/08/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54075
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:04	ZZZZZZ	1		
20:20	FA1371-12	1		(sample used for QC only; not part of login FA1566)
20:36	ZZZZZZ	1		
20:51	GP20947-S1	1		
21:07	GP20947-S2	1		
21:23	GP20947-S3	1		
21:39	GP20947-S4	1		
22:11	GN54075-CCV5	1		
22:27	GN54075-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313080201.TXT Date Analyzed: 02/08/13 Methods: EPA 300/SW846 9056A
Run ID: GN54075 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54075-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54075-CCV1	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54075-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54075-CCV1	Sulfate	52.9	2.0	0.60	50	105.8	90-110
GN54075-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54075-CCB1	Chloride	0.80 U	2.0	0.80			
GN54075-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54075-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54075-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54075-CCV2	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54075-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54075-CCV2	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN54075-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54075-CCB2	Chloride	0.80 U	2.0	0.80			
GN54075-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54075-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54075-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54075-CCV3	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54075-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54075-CCV3	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN54075-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54075-CCB3	Chloride	0.80 U	2.0	0.80			
GN54075-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54075-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54075-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54075-CCV4	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54075-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54075-CCV4	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54075-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54075-CCB4	Chloride	0.80 U	2.0	0.80			
GN54075-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54075-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54075-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54075-CCV5	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54075-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54075-CCV5	Sulfate	51.1	2.0	0.60	50	102.2	90-110
GN54075-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54075-CCB5	Chloride	0.80 U	2.0	0.80			
GN54075-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54075-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021413TKN1.CSV Date Analyzed: 02/14/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54165
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:35	GN54165-ICV1	1		
11:36	GN54165-CCV1	1		
11:37	GN54165-CCB1	1		
11:39	GP20970-MB1	1		
11:40	GP20970-B1	1		
11:41	FA1564-1	1		(sample used for QC only; not part of login FA1566)
11:45	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:50	GN54165-CCV2	1		
11:51	GN54165-CCB2	1		
11:55	FA1566-6	1		
11:56	FA1566-7	1		
11:58	GP20970-S1	2		
11:59	GP20970-S2	2		
12:00	ZZZZZZ	2		
12:01	ZZZZZZ	2		
12:02	FA1566-3	2		
12:03	GN54165-CCV3	1		
12:05	GN54165-CCB3	1		
12:06	FA1566-4	5		
12:07	FA1566-5	5		
12:08	ZZZZZZ	2		
12:09	GN54165-CCV4	1		
12:10	GN54165-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021413TKN1.CSV Date Analyzed: 02/14/13 Methods: EPA 351.2 M
Run ID: GN54165 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54165-ICV1	Nitrogen, Total Kjeldahl	2.7	0.25	0.10	2.5	108.0	90-110
GN54165-CCV1	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54165-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54165-CCV2	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54165-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54165-CCV3	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54165-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54165-CCV4	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54165-CCB4	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54173
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:51	GN54173-CCV1	1		
11:06	GN54173-CCB1	1		
11:22	GP20986-MB1	1		
11:38	GP20986-B1	1		
12:26	ZZZZZZ	25		
12:42	ZZZZZZ	10		
12:57	ZZZZZZ	10		
13:13	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:45	ZZZZZZ	10		
14:01	GN54173-CCV2	1		
14:17	GN54173-CCB2	1		
14:33	ZZZZZZ	10		
15:23	ZZZZZZ	1		
15:39	FA1735-1	1		(sample used for QC only; not part of login FA1566)
15:55	FA1735-3	1		(sample used for QC only; not part of login FA1566)
16:11	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:46	GN54173-CCV3	1		
18:02	GN54173-CCB3	1		
18:17	ZZZZZZ	1		
18:33	ZZZZZZ	1		
18:49	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:21	ZZZZZZ	25		
19:37	ZZZZZZ	25		
19:53	ZZZZZZ	25		
20:09	ZZZZZZ	25		
20:25	GN54173-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54173
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:41	GN54173-CCB4	1		
20:56	GP20986-S1	1		
21:12	GP20986-S2	1		
21:28	GP20986-S3	1		
21:44	GP20986-S4	1		
22:00	GN54173-CCV5	1		
22:16	GN54173-CCB5	1		
22:32	GP20984-MB1	1		
22:48	GP20984-B1	1		
23:04	ZZZZZZ	5		
23:19	ZZZZZZ	5		
23:35	ZZZZZZ	5		
23:51	ZZZZZZ	5		
00:07	FA1564-5	5		(sample used for QC only; not part of login FA1566)
00:23	FA1566-3	5		
00:39	FA1566-4	5		
01:11	GN54173-CCV6	1		
01:27	GN54173-CCB6	1		
01:43	FA1566-5	5		
01:58	FA1566-6	5		
02:14	FA1566-7	5		
02:30	FA1616-5	5		(sample used for QC only; not part of login FA1566)
02:46	ZZZZZZ	2		
03:02	GP20984-S1	5		
03:18	GP20984-S2	5		
03:34	GP20984-S3	5		
03:50	GP20984-S4	5		
04:21	GN54173-CCV7	1		
04:37	GN54173-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Run ID: GN54173 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54173-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54173-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV1	Sulfate	51.7	2.0	0.60	50	103.4	90-110
GN54173-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54173-CCV2	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54173-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV3	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54173-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV4	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54173-CCV4	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN54173-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV5	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV5	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN54173-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV6	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV6	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV6	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54173-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV7	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV7	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV7	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54173-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB7	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB7	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150201.TXT Date Analyzed: 02/15/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54200
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:54	GN54200-CCV1	1		
11:10	GN54200-CCB1	1		
11:26	GP20997-MB1	1		
11:42	GP20997-B1	1		
12:29	ZZZZZZ	100		
12:45	ZZZZZZ	50		
13:01	ZZZZZZ	25		
13:17	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:49	ZZZZZZ	1		
14:05	GN54200-CCV2	1		
14:21	GN54200-CCB2	1		
14:36	FA1764-3	1		(sample used for QC only; not part of login FA1566)
14:52	ZZZZZZ	1		
15:08	FA1764-5	1		(sample used for QC only; not part of login FA1566)
15:24	ZZZZZZ	1		
15:40	ZZZZZZ	5		
15:56	ZZZZZZ	1		
16:55	ZZZZZZ	2		
17:11	ZZZZZZ	500		
17:26	GP20997-S1	1		
17:42	GP20997-S2	1		
17:58	GN54200-CCV3	1		
18:14	GN54200-CCB3	1		
18:30	GP20997-S3	1		
18:46	GP20997-S4	1		
19:02	GN54200-CCV4	1		
19:18	GN54200-CCB4	1		
19:34	ZZZZZZ	25		
19:50	ZZZZZZ	25		
20:21	FA1566-4	10		
20:37	FA1566-6	25		
21:25	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150201.TXT Date Analyzed: 02/15/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54200
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:13	GN54200-CCV5	1		
22:29	GN54200-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150201.TXT Date Analyzed: 02/15/13 Methods: EPA 300/SW846 9056A
Run ID: GN54200 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54200-CCV1	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN54200-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54200-CCV2	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN54200-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54200-CCV3	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN54200-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54200-CCV4	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN54200-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54200-CCV5	Sulfate	49.9	2.0	0.60	50	99.8	90-110
GN54200-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54202
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:21	GN54202-ICV1	1		
13:22	GN54202-CCV1	1		
13:23	GN54202-CCB1	1		
13:24	GP20995-MB1	1		
13:25	GP20995-B1	1		
13:32	ZZZZZZ	1		
13:34	GN54202-CCV2	1		
13:35	GN54202-CCB2	1		
13:40	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:47	GN54202-CCV3	1		
13:48	GN54202-CCB3	1		
14:11	GN54202-CCV4	1		
14:12	GN54202-CCB4	1		
14:13	ZZZZZZ	1		
14:14	FA1566-3	1		
14:15	FA1566-4	1		
14:16	FA1566-5	1		
14:17	GP20995-S1	5		
14:18	GP20995-S2	5		
14:19	FA1446-4	5		(sample used for QC only; not part of login FA1566)
14:20	ZZZZZZ	2		
14:21	ZZZZZZ	2		
14:22	ZZZZZZ	10		
14:23	GN54202-CCV5	1		
14:24	GN54202-CCB5	1		
14:25	ZZZZZZ	10		
14:26	ZZZZZZ	25		
14:27	ZZZZZZ	2		
14:28	ZZZZZZ	2		
14:29	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54202
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:30	ZZZZZZ	2		
14:31	ZZZZZZ	5		
14:33	GN54202-CCV6	1		
14:35	GN54202-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021813AMN1.CSV Date Analyzed: 02/18/13 Methods: EPA 350.1 M
Run ID: GN54202 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54202-ICV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV2	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV3	Nitrogen, Ammonia	2.6	0.10	0.022	2.5	104.0	90-110
GN54202-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV4	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB4	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV5	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB5	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54202-CCV6	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54202-CCB6	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313180201.TXT Date Analyzed: 02/18/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54217
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:19	GN54217-CCV1	1		
13:35	GN54217-CCB1	1		
13:51	GP21005-MB1	1		
14:07	GP21005-B1	1		
16:09	ZZZZZZ	50		
16:25	ZZZZZZ	50		
16:41	ZZZZZZ	50		
16:57	FA1804-4	5		(sample used for QC only; not part of login FA1566)
17:12	GN54217-CCV2	1		
17:28	GN54217-CCB2	1		
17:44	ZZZZZZ	10		
18:00	ZZZZZZ	200		
18:16	ZZZZZZ	1		
18:32	GP21000-S1	5		
18:48	GP21000-S2	5		
19:04	ZZZZZZ	50		
19:20	ZZZZZZ	50		
19:36	ZZZZZZ	10		
19:51	FA1800-2	1		(sample used for QC only; not part of login FA1566)
20:07	ZZZZZZ	2		
20:23	GN54217-CCV3	1		
20:39	GN54217-CCB3	1		
20:55	GP21005-S1	1		
21:11	GP21005-S2	1		
21:27	GN54217-CCV4	1		
21:43	GN54217-CCB4	1		
21:59	FA1566-3	25		
22:14	FA1566-7	25		
22:30	FA1616-5	25		(sample used for QC only; not part of login FA1566)
22:46	GP20984-S3	25		
23:02	GP20984-S4	25		
23:18	GN54217-CCV5	1		
23:34	GN54217-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313180201.TXT Date Analyzed: 02/18/13 Methods: EPA 300/SW846 9056A
Run ID: GN54217 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54217-CCV1	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54217-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV2	Sulfate	49.3	2.0	0.60	50	98.6	90-110
GN54217-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV3	Sulfate	48.4	2.0	0.60	50	96.8	90-110
GN54217-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV4	Sulfate	48.8	2.0	0.60	50	97.6	90-110
GN54217-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV5	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN54217-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A022113AMN2.CSV Date Analyzed: 02/21/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54262
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:19	GN54262-ICV1	1		
14:20	GN54262-CCV1	1		
14:21	GN54262-CCB1	1		
14:22	GP21023-MB1	1		
14:23	GP21023-B1	1		
14:24	GP21023-S1	1		
14:25	GP21023-S2	1		
14:26	FA1772-1	1		(sample used for QC only; not part of login FA1566)
14:30	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:32	GN54262-CCV2	1		
14:33	GN54262-CCB2	1		
14:34	ZZZZZZ	1		
14:35	FA1566-6	2		
14:36	FA1566-7	2		
14:37	ZZZZZZ	5		
14:38	GN54262-CCV3	1		
14:39	GN54262-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1566
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A022113AMN2.CSV Date Analyzed: 02/21/13 Methods: EPA 350.1 M
Run ID: GN54262 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54262-ICV1	Nitrogen, Ammonia	2.6	0.10	0.022	2.5	104.0	90-110
GN54262-CCV1	Nitrogen, Ammonia	2.7	0.10	0.022	2.5	108.0	90-110
GN54262-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54262-CCV2	Nitrogen, Ammonia	2.7	0.10	0.022	2.5	108.0	90-110
GN54262-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54262-CCV3	Nitrogen, Ammonia	2.7	0.10	0.022	2.5	108.0	90-110
GN54262-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA1566
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1566-3 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-43 (0-1)

Wet Weight (Total)	8.48	g
Tare Weight	.96	g
Dry Weight (Total)	7.38	g
Solids, Percent	85.4	%

Sample: FA1566-4 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-43 (1-2)

Wet Weight (Total)	8.75	g
Tare Weight	.98	g
Dry Weight (Total)	7.73	g
Solids, Percent	86.9	%

Sample: FA1566-5 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-43 (4-5)

Wet Weight (Total)	8.64	g
Tare Weight	.99	g
Dry Weight (Total)	7.33	g
Solids, Percent	82.9	%

Sample: FA1566-6 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-43 (9-10)

Wet Weight (Total)	8.72	g
Tare Weight	1	g
Dry Weight (Total)	7.17	g
Solids, Percent	79.9	%

Sample: FA1566-7 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-101

Wet Weight (Total)	8.78	g
Tare Weight	1.01	g
Dry Weight (Total)	7.05	g
Solids, Percent	77.7	%

Southeast ACCUTEST LABORATORIES

02/20/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA1566R

Sampling Date: 02/05/13

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

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.

Sections: 1 2 3 4 5 6

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **5**
Section 4: Sample Results **6**
4.1: FA1566-1FR: A-38-19 7
Section 5: Misc. Forms **8**
5.1: Chain of Custody 9
Section 6: General Chemistry - QC Data Summaries **12**
6.1: Method Blank and Spike Results Summary 13
6.2: Matrix Spike Results Summary 14
6.3: Matrix Spike Duplicate Results Summary 15

Sample Summary

WSP Environment & Energy

Job No: FA1566R

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
FA1566-1FR	02/05/13	13:30	SD	02/08/13	AQ	Water Filtered	A-38-19

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA1566R

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 2/19/2013 5:07:43 PM

1 Sample was collected on 02/05/2013 and was received at Accutest SE on 02/08/2013 properly preserved, at 2.8 Deg. C and intact. The Sample received an Accutest job number of FA1566R. 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 EPA 365.3

Matrix: AQ **Batch ID:** GP21007

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1566-1FRMSD, FA1566-1FRMS were used as the QC samples for Phosphate, Ortho.

The following samples were prepped outside of holding time for method EPA 365.3: FA1566-1FR. Sample received outside the holding time.

Matrix Spike 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.

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: February 19, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1566R
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/05/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1566-1FR	**A-38-19**					
Phosphate, Ortho [a]		2890	1000	200	mg/l	EPA 365.3

(a) Sample received outside the holding time.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-38-19		
Lab Sample ID:	FA1566-1FR	**Date Sampled:**	02/05/13
Matrix:	AQ - Water Filtered	**Date Received:**	02/08/13
		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]	2890	1000	200	mg/l	10000	02/19/13 13:15	AC	EPA 365.3

(a) Sample received outside the holding 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

CHAIN OF CUSTODY RECORD

Page 1 of 1

Nº 02992

FA1566

Project Number: 36785-01

Site and Location: AGRIUM SODA SPRINGS

Contact Name: TIM.HUFF@WSPGROUP.COM

Contact Email:

Sampler's Name: STEVEN DAWSON

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification: (B)	Depth	Date	Time	Matrix	Number of Containers	ANIONS & GENERAL CHEM.	DISSOLVED METALS	DISSOLVED SECONDARY PHOSPHORUS	TOTAL METALS	TOTAL ORTHOPHOSPHATE	METALS *	TKN TOTAL KJELDAHL NITROGEN	pH	AMMONIA	Remarks
1	A-38 - ~~(2/5/13)~~ 19		2/5/13	1330	AQ	4	1	1	1	1					1	RENAME A-38-19 (B)
2	WATER - EB - (2/5/13		2/5/13	1600	AQ	4	1			1	1	1			1	(B)
3	A-43 (0-1)	0-1	2/6/13	1230	S	1	1			1			1	1	1	(0-1)
4	A-43 (1-2)	1-2'	2/6/13	1231	S	1	1			1			1	1	1	
5	A-43 (4-5)	4-5'	2/6/13	1232	S	1	1			1			1	1	1	* METALS: Al, ANTIMONY, ARSENIC
6	A-43 (9-10)	9-10'	2/6/13	1233	S	1	1			1			1	1	1	Ba, Be, Cd, Ca, Cr, Fe, Pb, Mg,
7	A-101		2/6/13	1240	S	1	1			1			1	1	1	MANGANESE, Ni, K, Na, SELENIUM,
																THALLIUM, VANADIUM
																GEN CHEM INCLUDES FLUORIDE,
																NITRATE & SULFATE
																(B) ALSO RUN TDS, Cl, Fl, NITRATE AS N,
																SULFATE; BICARBONATE & CARBONATE
																ALKALINITY AS $CaCO_3$; SPECIFIC CONDUCTANCE

Relinquished by (Signature):	2/6/13 1400 Date / Time	Received by (Signature): FX	Laboratory Name: ACCUTEST
Relinquished by (Signature): FX	2-8-13 Date / Time	Received by (Signature): J. Cooper (ALSE) 09:30	Laboratory Location: ORLANDO FL
Turn-Around Time: STD		Tracking Number: 8013 5708 4053	Custody Seal Numbers: 01670
			Method of Shipment: FEDEX

WSP
WSP Environment & Energy

2-8

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA1566R: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1566 CLIENT: WSP PROJECT: 36785-01

DATE/TIME RECEIVED: 2-8-13 09:30 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8013 5708 4053

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_____ CORR. FACTOR_____
- [ ] OBSERVED TEMPS:_____
- [ ] CORRECTED TEMPS:_____

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 JC 2-8-13 REVIEWER SIGNATURE/DATE [signature] 02/08/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA1566R: Chain of Custody
Page 2 of 3

Job Change Order: FA1566_2/19/2013

Requested Date:	2/19/2013	**Received Date:**	2/8/2013
Account Name:	WSP Environment & Energy	**Due Date:**	2/22/2013
Project Description:	Nu-West Conda Phosphate Operations, 3010	**Deliverable:**	REDT1
CSR:	AC	**TAT (Days):**	2

Sample #:
FA1566-1F

Change: Please rerun the sample out of hold time and at dilution for OPO4.

A-38-19

Above Changes Tim Huff **Date:** 2/19/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

FA1566R: Chain of Custody
Page 3 of 3

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: FA1566R
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
Phosphate, Ortho	GP21007/GN54218	0.10	0.0	mg/l	0.300	0.31	104.4	83-116%

Associated Samples:
Batch GP21007: FA1566-1FR
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1566R
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
Phosphate, Ortho	GP21007/GN54218	FA1566-1FR	mg/l	2890	0.300	5560	888871.5(a)	83-116%

Associated Samples:
Batch GP21007: FA1566-1FR
(*) 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: FA1566R
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
Phosphate, Ortho	GP21007/GN54218	FA1566-1FR	mg/l	2890	0.300	5760	0.3(a)	26%

Associated Samples:
Batch GP21007: FA1566-1FR
(*) 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.

Southeast ACCUTEST LABORATORIES

02/26/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA1616

Sampling Dates: 02/07/13 - 02/08/13

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: **169**

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.

Table of Contents

-1-

Section 1: Sample Summary 3
Section 2: Case Narrative/Conformance Summary 4
Section 3: Summary of Hits 9
Section 4: Sample Results 12
- **4.1:** FA1616-1: SOIL-EB-2/8/13 13
- **4.2:** FA1616-2: WATER-EB-2/8/13 15
- **4.3:** FA1616-2F: WATER-EB-2/8/13 17
- **4.4:** FA1616-3: A-37-23 18
- **4.5:** FA1616-3F: A-37-23 19
- **4.6:** FA1616-4: A-39-23 21
- **4.7:** FA1616-4F: A-39-23 22
- **4.8:** FA1616-5: A-44 (9-10) 24

Section 5: Misc. Forms 26
- **5.1:** Chain of Custody 27

Section 6: Metals Analysis - QC Data Summaries 30
- **6.1:** Inst QC MA10530: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 31
- **6.2:** Inst QC MA10533: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 47
- **6.3:** Inst QC MA10534: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 67
- **6.4:** Inst QC MA10537: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 80
- **6.5:** Inst QC MA10538: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V 96
- **6.6:** Inst QC MA10541: K,Na 112
- **6.7:** Prep QC MP24606: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 128
- **6.8:** Prep QC MP24608: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 134
- **6.9:** Prep QC MP24610: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 140

Section 7: General Chemistry - QC Data Summaries 146
- **7.1:** Method Blank and Spike Results Summary 147
- **7.2:** Duplicate Results Summary 148
- **7.3:** Matrix Spike Results Summary 149
- **7.4:** Matrix Spike Duplicate Results Summary 150
- **7.5:** Inst QC GN54083: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 151
- **7.6:** Inst QC GN54101: Fluoride,Sulfate 153
- **7.7:** Inst QC GN54150: Nitrogen, Total Kjeldahl 156
- **7.8:** Inst QC GN54162: Nitrogen, Ammonia 158
- **7.9:** Inst QC GN54165: Nitrogen, Total Kjeldahl 160
- **7.10:** Inst QC GN54173: Fluoride,Nitrogen, Nitrate,Sulfate 162
- **7.11:** Inst QC GN54217: Sulfate 165
- **7.12:** Inst QC GN54262: Nitrogen, Ammonia 167
- **7.13:** Percent Solids Raw Data Summary 169

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA1616

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
FA1616-1	02/08/13	09:30	SD	02/09/13	AQ	Equipment Blank	SOIL-EB-2/8/13
FA1616-2	02/08/13	09:40	SD	02/09/13	AQ	Equipment Blank	WATER-EB-2/8/13
FA1616-2F	02/08/13	09:40	SD	02/09/13	AQ	Equip Blank Filtered	WATER-EB-2/8/13
FA1616-3	02/07/13	14:45	SD	02/09/13	AQ	Ground Water	A-37-23
FA1616-3F	02/07/13	14:45	SD	02/09/13	AQ	Groundwater Filtered	A-37-23
FA1616-4	02/07/13	15:15	SD	02/09/13	AQ	Ground Water	A-39-23
FA1616-4F	02/07/13	15:15	SD	02/09/13	AQ	Groundwater Filtered	A-39-23
FA1616-5	02/07/13	11:43	SD	02/09/13	SO	Soil	A-44 (9-10)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA1616

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 2/25/2013 10:48:16 PM

6 Sample(s) were collected on/between 02/07/2013 and 02/08/2013 and were received at Accutest SE on 02/09/2013 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of FA1616. 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:** MP24606

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) FA1651-13DUP, FA1651-13MS, FA1651-13MSD, FA1651-13PS, FA1651-13SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Calcium are outside control limits. Spike recovery indicates possible matrix interference.

RPD(s) for Duplicate for Aluminum are outside control limits for sample MP24606-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Potassium, Vanadium are outside control limits for sample MP24606-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: AQ **Batch ID:** MP24608

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) FA1672-1DUP, FA1672-1MS, FA1672-1MSD, FA1672-1PS, FA1672-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Antimony are outside control limits for sample MP24608-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Antimony are outside control limits for sample MP24608-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

FA1616-3F for Antimony: Elevated reporting limit(s) due to matrix interference.

FA1616-3F for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1616-3F for Calcium: Elevated reporting limit(s) due to matrix interference.

FA1616-3F for Chromium: Elevated reporting limit(s) due to matrix interference.

FA1616-3F for Iron: Elevated reporting limit(s) due to matrix interference.

FA1616-3F for Magnesium: Elevated reporting limit(s) due to matrix interference.

FA1616-3F for Selenium: Elevated reporting limit(s) due to matrix interference.

FA1616-4F for Aluminum: Elevated reporting limit(s) due to matrix interference.

FA1616-4F for Antimony: Elevated reporting limit(s) due to matrix interference.

FA1616-4F for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1616-4F for Selenium: Elevated reporting limit(s) due to matrix interference.

FA1616-4F for Chromium: Elevated reporting limit(s) due to matrix interference.

FA1616-3F for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1616-4F for Cadmium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24610

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) FA1682-1DUP, FA1682-1MS, FA1682-1MSD, FA1682-1PS, FA1682-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Aluminum, Antimony, Cadmium, Chromium, Lead, Magnesium, Nickel, Vanadium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Chromium, Lead, Magnesium, Vanadium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Calcium, Iron, Manganese 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 Chromium, Lead, Barium, Nickel, Selenium, Sodium, Vanadium are outside control limits for sample MP24610-D1. High RPD due to possible sample nonhomogeneity.

RPD(s) for MSD for Calcium, Magnesium, Vanadium are outside control limits for sample MP24610-S2. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Arsenic, Beryllium, Chromium, Potassium, Selenium, Sodium, Aluminum, Barium, Calcium, Iron, Lead, Magnesium, Manganese, Nickel, Vanadium are outside control limits for sample MP24610-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24610-D1 for Vanadium: RPD acceptable due to low duplicate and sample concentrations.

MP24610-D1 for Selenium: RPD acceptable due to low duplicate and sample concentrations.

MP24610-D1 for Barium: RPD acceptable due to low duplicate and sample concentrations.

MP24610-D1 for Nickel: RPD acceptable due to low duplicate and sample concentrations.

MP24610-D1 for Sodium: RPD acceptable due to low duplicate and sample concentrations.

MP24610-SD1 for Aluminum: Serial dilution indicates possible matrix interference.

MP24610-SD1 for Barium: Serial dilution indicates possible matrix interference.

MP24610-SD1 for Calcium: Serial dilution indicates possible matrix interference.

MP24610-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24610-SD1 for Lead: Serial dilution indicates possible matrix interference.

MP24610-SD1 for Magnesium: Serial dilution indicates possible matrix interference.

MP24610-SD1 for Manganese: Serial dilution indicates possible matrix interference.

MP24610-SD1 for Vanadium: Serial dilution indicates possible matrix interference.

MP24610-SD1 for Nickel: Serial dilution indicates possible matrix interference.

MP24610-PS1 for Aluminum: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24610-PS1 for Antimony: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24610-PS1 for Manganese: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24610-PS1 for Selenium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24610-PS1 for Cadmium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24610-PS1 for Vanadium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24610-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24610-PS1 for Iron: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24610-PS1 for Magnesium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA1616-5 for Cadmium: Sample dilution required due to sample matrix.
FA1616-5 for Chromium: Sample dilution required due to sample matrix.

FA1616-5 for Iron: Sample dilution required due to sample matrix.

FA1616-5 for Lead: Sample dilution required due to sample matrix.

FA1616-5 for Magnesium: Sample dilution required due to sample matrix.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24610

FA1616-5 for Nickel: Sample dilution required due to sample matrix.

FA1616-5 for Potassium: Sample dilution required due to sample matrix.

FA1616-5 for Selenium: Sample dilution required due to sample matrix.

FA1616-5 for Sodium: Sample dilution required due to sample matrix.

FA1616-5 for Thallium: Sample dilution required due to sample matrix.

FA1616-5 for Vanadium: Sample dilution required due to sample matrix.

FA1616-5 for Calcium: Sample dilution required due to sample matrix.

FA1616-5 for Beryllium: Sample dilution required due to sample matrix.

FA1616-5 for Manganese: Sample dilution required due to sample matrix.

FA1616-5 for Aluminum: Sample dilution required due to sample matrix.

FA1616-5 for Antimony: Sample dilution required due to sample matrix.

FA1616-5 for Arsenic: Sample dilution required due to sample matrix.

FA1616-5 for Barium: Sample dilution required due to sample matrix.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54072

All method blanks for this batch meet method specific criteria.

Sample(s) FA1614-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA1616-2, FA1616-3, FA1616-4.

FA1616-2, FA1616-3, FA1616-4 for Specific Conductivity: Received out of hold.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP20957

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) FA1616-1MS, FA1616-1MSD 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. Refer to lab control or spike blank for recovery information.

FA1616-3 for Chloride: Dilution required due to matrix interference.

FA1616-3 for Nitrogen, Nitrate: Sample received near the end of hold.

FA1616-4 for Nitrogen, Nitrate: Sample received near the end of hold. Dilution required due to matrix interference.

Matrix: SO **Batch ID:** GP20984

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) FA1616-5MSD, FA1616-5MS were used as the QC samples for Fluoride, Nitrogen, Nitrate, Sulfate, Fluoride.

Matrix Spike Recovery(s) for Fluoride, Nitrogen, Nitrate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Matrix Spike Duplicate Recovery(s) for Fluoride are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

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

FA1616-5 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 350.1

Matrix: AQ **Batch ID:** GP20977

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) FA1616-1MS, FA1616-1MSD were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP21023

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) FA1772-1MSD, FA1772-1MS were used as the QC samples for Nitrogen, Ammonia.

GP21023-S1 for Nitrogen, Ammonia: Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 351.2

Matrix: AQ **Batch ID:** GP20969

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) FA1479-1MSD, FA1479-1MS were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 351.2 M

Matrix: SO **Batch ID:** GP20970

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) FA1564-1MS, FA1564-1MSD were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP20946

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) FA1614-1FDUP, FA1614-1FMS were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP20996

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1718-1DUP, FA1718-1MSD 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. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 365.3M

Matrix: SO **Batch ID:** GP20998

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) FA1566-3DUP, FA1566-3MSD 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:** GN54071

Sample(s) FA1614-1DUP was used as the QC sample for pH.

FA1616-1, FA1616-2, FA1616-3, FA1616-4 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54160

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1526-1DUP, FA1526-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54100

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1507-7DUP was used as the QC sample for Solids, Total Dissolved.

FA1616-3 for Solids, Total Dissolved: Confirmed by reanalysis in GN54214.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN54123

Sample(s) FA1566-3DUP was used as the QC sample for Solids, Percent.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54306

Sample(s) FA1565-1DUP was used as the QC sample for pH.

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: February 26, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1616
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/07/13 thru 02/08/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1616-1	**SOIL-EB-2/8/13**					
Calcium		119 J	1000	50	ug/l	SW846 6010C
Lead		16.3	5.0	1.1	ug/l	SW846 6010C
Selenium		2.6 J	10	2.0	ug/l	SW846 6010C
Fluoride		0.20	0.20	0.060	mg/l	EPA 300/SW846 9056A
Nitrogen, Ammonia		0.055 J	0.10	0.030	mg/l	EPA 350.1
Nitrogen, Total Kjeldahl		0.21 J	0.53	0.17	mg/l	EPA 351.2
pH [a]		3.63			su	SM 4500H B/SW 9040C
FA1616-2	**WATER-EB-2/8/13**					
Aluminum		22.1 J	200	15	ug/l	SW846 6010C
Calcium		62.6 J	1000	50	ug/l	SW846 6010C
Iron		44.0 J	300	29	ug/l	SW846 6010C
Fluoride		0.095 J	0.20	0.060	mg/l	EPA 300/SW846 9056A
Solids, Total Dissolved		20.0 J	100	10	mg/l	SM19 2540C
Specific Conductivity [b]		1.9	1.0	1.0	umhos/cm	EPA 120.1
pH [a]		5.28			su	SM 4500H B/SW 9040C
FA1616-2F	**WATER-EB-2/8/13**					
Phosphate, Ortho		0.026 J	0.10	0.020	mg/l	EPA 365.3
FA1616-3	**A-37-23**					
Chloride [c]		43.2 J	100	40	mg/l	EPA 300/SW846 9056A
Fluoride		1740	100	30	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [d]		6.4	5.0	2.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		1470	500	140	mg/l	EPA 365.3
Solids, Total Dissolved [e]		11000	500	50	mg/l	SM19 2540C
Specific Conductivity [b]		9490	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		4280	1000	300	mg/l	EPA 300/SW846 9056A
pH [a]		2.67			su	SM 4500H B/SW 9040C
FA1616-3F	**A-37-23**					
Aluminum		772000	1000	75	ug/l	SW846 6010C
Arsenic [f]		224	50	13	ug/l	SW846 6010C
Cadmium [f]		2750	25	2.5	ug/l	SW846 6010C
Calcium [f]		642000	5000	250	ug/l	SW846 6010C
Chromium [f]		1510	50	10	ug/l	SW846 6010C
Iron [f]		411000	1500	150	ug/l	SW846 6010C
Magnesium [f]		420000	25000	370	ug/l	SW846 6010C
Potassium		628000	200000	4000	ug/l	SW846 6010C

Summary of Hits

Job Number: FA1616
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/07/13 thru 02/08/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Selenium [f]		14.0 J	50	10	ug/l	SW846 6010C
Sodium		624000	200000	10000	ug/l	SW846 6010C
Phosphate, Ortho		1360	500	95	mg/l	EPA 365.3
FA1616-4	**A-39-23**					
Chloride		147	50	20	mg/l	EPA 300/SW846 9056A
Fluoride		341	20	6.0	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		1790	500	140	mg/l	EPA 365.3
Solids, Total Dissolved		5630	500	50	mg/l	SM19 2540C
Specific Conductivity [b]		4500	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1690	50	15	mg/l	EPA 300/SW846 9056A
pH [a]		3.63			su	SM 4500H B/SW 9040C
FA1616-4F	**A-39-23**					
Aluminum [f]		165000	800	60	ug/l	SW846 6010C
Arsenic [f]		142	40	10	ug/l	SW846 6010C
Cadmium [f]		1140	20	2.0	ug/l	SW846 6010C
Calcium		581000	4000	200	ug/l	SW846 6010C
Chromium [f]		260	40	8.0	ug/l	SW846 6010C
Iron		73700	300	29	ug/l	SW846 6010C
Magnesium		289000	5000	74	ug/l	SW846 6010C
Potassium		124000	40000	800	ug/l	SW846 6010C
Sodium		243000	40000	2000	ug/l	SW846 6010C
Phosphate, Ortho		1060	500	95	mg/l	EPA 365.3
FA1616-5	**A-44 (9-10)**					
Aluminum [g]		22900	60	6.0	mg/kg	SW846 6010C
Arsenic [g]		5.6	3.0	0.48	mg/kg	SW846 6010C
Barium [g]		110	60	1.5	mg/kg	SW846 6010C
Beryllium [g]		1.0 J	1.5	0.15	mg/kg	SW846 6010C
Cadmium [g]		9.0	1.2	0.15	mg/kg	SW846 6010C
Calcium [g]		32500	1500	15	mg/kg	SW846 6010C
Chromium [g]		63.4	3.0	0.54	mg/kg	SW846 6010C
Iron [g]		13700	89	21	mg/kg	SW846 6010C
Lead [g]		6.8	6.0	0.33	mg/kg	SW846 6010C
Magnesium [g]		4640	1500	23	mg/kg	SW846 6010C
Manganese [g]		204	4.5	0.27	mg/kg	SW846 6010C
Nickel [g]		21.5	12	0.15	mg/kg	SW846 6010C
Potassium [g]		2960 J	3000	60	mg/kg	SW846 6010C
Sodium [g]		1010 J	3000	150	mg/kg	SW846 6010C
Vanadium [g]		112	15	0.15	mg/kg	SW846 6010C
Fluoride		99.2	6.2	1.5	mg/kg	EPA 300/SW846 9056A

Summary of Hits

Job Number: FA1616
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/07/13 thru 02/08/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Nitrogen, Ammonia	257	7.4	1.6	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	595	25	9.8	mg/kg	EPA 351.2 M
Phosphorus, Total	17400	5600	870	mg/kg	EPA 365.3M
Sulfate	13900	620	180	mg/kg	EPA 300/SW846 9056A
pH	5.71			su	SW846 9045D

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Received out of hold.
(c) Dilution required due to matrix interference.
(d) Sample received near the end of hold.
(e) Confirmed by reanalysis in GN54214.
(f) Elevated reporting limit(s) due to matrix interference.
(g) Sample dilution required due to sample matrix.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SOIL-EB-2/8/13		
Lab Sample ID:	FA1616-1	**Date Sampled:**	02/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/09/13
		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	15 U	200	15	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Barium	1.0 U	200	1.0	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	119 J	1000	50	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	29 U	300	29	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	16.3	5.0	1.1	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	0.70 U	15	0.70	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.50 U	40	0.50	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.6 J	10	2.0	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	1.3 U	10	1.3	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.0 U	50	1.0	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10530
(2) Prep QC Batch: MP24606

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:	SOIL-EB-2/8/13		
Lab Sample ID:	FA1616-1	**Date Sampled:**	02/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/09/13
		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
Fluoride	0.20	0.20	0.060	mg/l	1	02/09/13 14:40	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	0.055 J	0.10	0.030	mg/l	1	02/14/13 13:58	VK	EPA 350.1
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	02/09/13 14:40	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	0.21 J	0.53	0.17	mg/l	1	02/14/13 12:32	MG	EPA 351.2
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/18/13 13:45	LE	EPA 365.3
Sulfate	0.60 U	2.0	0.60	mg/l	1	02/09/13 14:40	AA	EPA 300/SW846 9056A
pH [a]	3.63			su	1	02/09/13 13:00	MG	SM 4500H B/SW 9040C

(a) 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:	WATER-EB-2/8/13		
Lab Sample ID:	FA1616-2	**Date Sampled:**	02/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/09/13
		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	22.1 J	200	15	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	62.6 J	1000	50	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	44.0 J	300	29	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/13/13	02/13/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10530
(2) Prep QC Batch: MP24606

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:	WATER-EB-2/8/13		
Lab Sample ID:	FA1616-2	**Date Sampled:**	02/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/09/13
		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	02/19/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/19/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/14/13 08:15	AC	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	02/09/13 14:56	AA	EPA 300/SW846 9056A
Fluoride	0.095 J	0.20	0.060	mg/l	1	02/09/13 14:56	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	02/09/13 14:56	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/18/13 13:45	LE	EPA 365.3
Solids, Total Dissolved	20.0 J	100	10	mg/l	1	02/12/13 13:57	MG	SM19 2540C
Specific Conductivity [a]	1.9	1.0	1.0	umhos/cm	1	02/09/13 11:40	MG	EPA 120.1
Sulfate	0.60 U	2.0	0.60	mg/l	1	02/09/13 14:56	AA	EPA 300/SW846 9056A
pH [b]	5.28			su	1	02/09/13 13:00	MG	SM 4500H B/SW 9040C

(a) Received out of hold.
(b) 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:	WATER-EB-2/8/13		
Lab Sample ID:	FA1616-2F	**Date Sampled:**	02/08/13
Matrix:	AQ - Equip Blank Filtered	**Date Received:**	02/09/13
		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	0.026 J	0.10	0.020	mg/l	1	02/09/13 11:34	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-37-23		
Lab Sample ID:	FA1616-3	**Date Sampled:**	02/07/13
Matrix:	AQ - Ground Water	**Date Received:**	02/09/13
		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	02/19/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/19/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/14/13 08:15	AC	SM19 2320B
Chloride [a]	43.2 J	100	40	mg/l	50	02/09/13 15:12	AA	EPA 300/SW846 9056A
Fluoride	1740	100	30	mg/l	500	02/11/13 11:32	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	6.4	5.0	2.5	mg/l	50	02/09/13 15:12	AA	EPA 300/SW846 9056A
Phosphorus, Total	1470	500	140	mg/l	5000	02/18/13 13:45	LE	EPA 365.3
Solids, Total Dissolved [c]	11000	500	50	mg/l	5	02/12/13 13:57	MG	SM19 2540C
Specific Conductivity [d]	9490	1.0	1.0	umhos/cm	1	02/09/13 11:40	MG	EPA 120.1
Sulfate	4280	1000	300	mg/l	500	02/11/13 11:32	AA	EPA 300/SW846 9056A
pH [e]	2.67			su	1	02/09/13 13:00	MG	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample received near the end of hold.
(c) Confirmed by reanalysis in GN54214.
(d) Received out of hold.
(e) 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-37-23		
Lab Sample ID:	FA1616-3F	**Date Sampled:**	02/07/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/09/13
		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	772000	1000	75	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	6.5 U	30	6.5	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	224	50	13	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	2750	25	2.5	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	642000	5000	250	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	1510	50	10	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron [a]	411000	1500	150	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium [a]	420000	25000	370	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	628000	200000	4000	ug/l	20	02/13/13	02/18/13	LM	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	14.0 J	50	10	ug/l	5	02/13/13	02/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	624000	200000	10000	ug/l	20	02/13/13	02/18/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10537
(2) Instrument QC Batch: MA10541
(3) Prep QC Batch: MP24608

(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-37-23		
Lab Sample ID:	FA1616-3F	**Date Sampled:**	02/07/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/09/13
		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	1360	500	95	mg/l	5000	02/09/13 11:34	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-39-23		
Lab Sample ID:	FA1616-4	**Date Sampled:**	02/07/13
Matrix:	AQ - Ground Water	**Date Received:**	02/09/13
		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	02/19/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/19/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/14/13 08:15	AC	SM19 2320B
Chloride	147	50	20	mg/l	25	02/09/13 15:28	AA	EPA 300/SW846 9056A
Fluoride	341	20	6.0	mg/l	100	02/11/13 11:48	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	1.3 U	2.5	1.3	mg/l	25	02/09/13 15:28	AA	EPA 300/SW846 9056A
Phosphorus, Total	1790	500	140	mg/l	5000	02/18/13 13:45	LE	EPA 365.3
Solids, Total Dissolved	5630	500	50	mg/l	5	02/12/13 13:57	MG	SM19 2540C
Specific Conductivity [b]	4500	1.0	1.0	umhos/cm	1	02/09/13 11:40	MG	EPA 120.1
Sulfate	1690	50	15	mg/l	25	02/09/13 15:28	AA	EPA 300/SW846 9056A
pH [c]	3.63			su	1	02/09/13 13:00	MG	SM 4500H B/SW 9040C

(a) Sample received near the end of hold. Dilution required due to matrix interference.
(b) Received out of hold.
(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-39-23		
Lab Sample ID:	FA1616-4F	**Date Sampled:**	02/07/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/09/13
		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 [a]	165000	800	60	ug/l	4	02/13/13	02/15/13	LM	SW846 6010C [2]	SW846 3010A [3]
Antimony [a]	5.2 U	24	5.2	ug/l	4	02/13/13	02/15/13	LM	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	142	40	10	ug/l	4	02/13/13	02/15/13	LM	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	1140	20	2.0	ug/l	4	02/13/13	02/15/13	LM	SW846 6010C [2]	SW846 3010A [3]
Calcium	581000	4000	200	ug/l	4	02/13/13	02/15/13	LM	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	260	40	8.0	ug/l	4	02/13/13	02/15/13	LM	SW846 6010C [2]	SW846 3010A [3]
Iron	73700	300	29	ug/l	1	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	289000	5000	74	ug/l	1	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	124000	40000	800	ug/l	4	02/13/13	02/15/13	LM	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	8.0 U	40	8.0	ug/l	4	02/13/13	02/15/13	LM	SW846 6010C [2]	SW846 3010A [3]
Sodium	243000	40000	2000	ug/l	4	02/13/13	02/15/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10534
(2) Instrument QC Batch: MA10537
(3) Prep QC Batch: MP24608

(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-39-23		
Lab Sample ID:	FA1616-4F	**Date Sampled:**	02/07/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/09/13
		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	1060	500	95	mg/l	5000	02/09/13 11:34	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-44 (9-10)
Lab Sample ID: FA1616-5 **Date Sampled:** 02/07/13
Matrix: SO - Soil **Date Received:** 02/09/13
Percent Solids: 80.7
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	22900	60	6.0	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.57 U	6.0	0.57	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	5.6	3.0	0.48	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	110	60	1.5	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	1.0 J	1.5	0.15	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	9.0	1.2	0.15	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	32500	1500	15	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	63.4	3.0	0.54	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	13700	89	21	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	6.8	6.0	0.33	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	4640	1500	23	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	204	4.5	0.27	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	21.5	12	0.15	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	2960 J	3000	60	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.89 U	6.0	0.89	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	1010 J	3000	150	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.54 U	3.0	0.54	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	112	15	0.15	mg/kg	5	02/13/13	02/14/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10533
(2) Prep QC Batch: MP24610

(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-44 (9-10)		
Lab Sample ID:	FA1616-5	**Date Sampled:**	02/07/13
Matrix:	SO - Soil	**Date Received:**	02/09/13
		Percent Solids:	80.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	99.2	6.2	1.5	mg/kg	5	02/15/13 02:30	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	257	7.4	1.6	mg/kg	5	02/21/13 14:37	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.1 U	6.2	3.1	mg/kg	5	02/15/13 02:30	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	595	25	9.8	mg/kg	2	02/14/13 12:08	MG	EPA 351.2 M
Phosphorus, Total	17400	5600	870	mg/kg	100	02/18/13 11:43	LE	EPA 365.3M
Solids, Percent	80.7			%	1	02/13/13 14:14	HH	SM19 2540G
Sulfate	13900	620	180	mg/kg	25	02/18/13 22:30	AA	EPA 300/SW846 9056A
pH	5.71			su	1	02/25/13 11:50	MG	SW846 9045D

(a) Dilution required due to matrix interference.

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

CHAIN OF CUSTODY RECORD

Page _____ of _____

Nº 04245

FA1616

Project Number: 36785-01

Site and Location: AGRIUM SODA SPRINGS, ID

Contact Name: TIM. HUFF @ WSP GROUP, COM

Contact Email:

Sampler's Name: STEVEN DAWSON

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification	Depth	Date	Time	Matrix	Number of Containers	METALS (A)	METALS (B)	FLUORIDE, NITRATE, SULFATE	pH	TOTAL PHOSPHORUS	TKN	AMMONIA	CHLORIDE, FLORIDE, NITRATE	BICARBONATE, CARBONATE, CACO3	ALKALINITY	SPECIFIC CONDUCTIVITY	TDS	DISSOLVED ORTHOPHOSPHATE	Remarks
1	SOIL-EB-2/8/13		2/8/13	0930	AQ	4	X		X	X	X	X								(A) Al, Antimony, Barium, Cd,
2	WATER-EB-2/8/13		2/8/13	0940	AQ	4		X		X	X		X	X	X	X	X			Beryllium, Ca, Cr, Fe, Pb,
3	A-37-23		2/7/13	1445	AQ	4		X		X	X		X	X	X	X	X			Mg, Manganese, Ni, K, Na
4	A-40-23		2/7/13	1515	AQ	4		X		X	X		X	X	X	X	X			Selenium, Thallium, Vanadium
5	A-44 (9-10)	9-10'	2/7/13	1143	S	1	X		X	X	X	X								
																				(B) Al, Antimony, Arsenic,
																				Cadmium, Ca, Cr, Fe, Mg
																				K, Selenium, Na
																				A-37-23 and A-40-23 were
																				filtered for disolved metals
																				and disolved orthophosphate

Relinquished by (Signature): SD	2/8/13 1100 Date / Time	Received by (Signature): FX	Laboratory Name: ACCUTEST
Relinquished by (Signature): FX	2-9-13 Date / Time	Received by (Signature): J. Coppe (ALSE) 10:00	Laboratory Location: ORLANDO FL
Turn-Around Time: STD		Tracking Number:	Custody Seal Numbers: 01672
			Method of Shipment: FEDEX

WSP
WSP Environment & Energy

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

3-8

FA1616: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1616 CLIENT: WSP PROJECT: 36785-01

DATE/TIME RECEIVED: 2-9-13 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 7970

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: 3.4
- [ ] CORRECTED TEMPS: 3.8

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 JC 2-9-13 REVIEWER SIGNATURE/DATE [signature] 02/09/13

NF 12/10 receipt confirmation 122910.xls

5.1

5

FA1616: Chain of Custody

Page 2 of 3

Job Change Order: FA1616_2/19/2013

Requested Date:	2/19/2013	**Received Date:**	2/9/2013
Account Name:	WSP Environment & Energy	**Due Date:**	2/25/2013
Project Description:	Nu-West Conda Phosphate Operations, 3010	**Deliverable:**	REDT1
CSR:	AC	**TAT (Days):**	6

Sample #:
FA1616-4, 4F

Change: Please change sample ID to A-39-23.

Above Changes Tim Huff **Date:** 2/19/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

FA1616: Chain of Custody
Page 3 of 3

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:40	MA10530-STD1	1		STDA
07:44	MA10530-STD2	1		STDB
07:48	MA10530-STD3	1		STDC
07:52	MA10530-STD4	1		STDD
07:56	MA10530-HSTD1	1		
08:03	MA10530-ICV1	1		
08:09	MA10530-ICB1	1		
08:15	MA10530-CRIA1	1		
08:24	MA10530-ICSA1	1		
08:32	MA10530-ICSAB1	1		
08:41	MA10530-CCV1	1		
08:50	MA10530-CCB1	1		
08:54	MP24602-MB1	1		
08:58	MP24602-B1	1		
09:02	FA1575-2	1		(sample used for QC only; not part of login FA1616)
09:06	MP24602-D1	1		
09:11	MP24602-SD1	5		
09:15	MP24602-PS1	1		
09:19	MP24602-S1	1		
09:23	MP24602-S2	1		
09:27	ZZZZZZ	1		
09:31	ZZZZZZ	1		
09:35	MA10530-CCV2	1		
09:39	MA10530-CCB2	1		
09:44	ZZZZZZ	1		
09:48	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	ZZZZZZ	1		
10:00	ZZZZZZ	5		
10:04	ZZZZZZ	5		
10:09	ZZZZZZ	5		
10:13	ZZZZZZ	5		
10:17	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:21	ZZZZZZ	1		
10:25	MA10530-CCV3	1		
10:29	MA10530-CCB3	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		
11:03	ZZZZZZ	4		
11:07	ZZZZZZ	4		
11:11	ZZZZZZ	1		
11:15	MA10530-CCV4	1		
11:19	MA10530-CCB4	1		
12:58	MA10530-CCV5	1		
13:02	MA10530-CCB5	1		
13:11	MP24606-MB1	1		
13:15	MP24606-B1	1		
13:19	FA1651-13	1		(sample used for QC only; not part of login FA1616)
13:23	MP24606-D1	1		
13:28	MP24606-SD1	5		
13:32	MP24606-PS1	1		
13:36	MP24606-S1	1		
13:40	MP24606-S2	1		
13:44	ZZZZZZ	1		
13:48	MA10530-CCV6	1		
13:52	MA10530-CCB6	1		
14:25	MA10530-CCV7	1		
14:33	MA10530-CCB7	1		
14:38	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:47	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	14:51	ZZZZZZ	1		
	14:55	ZZZZZZ	1		
	14:59	ZZZZZZ	1		
	15:03	ZZZZZZ	1		
	15:08	ZZZZZZ	1		
	15:12	ZZZZZZ	1		
	15:16	ZZZZZZ	1		
	15:20	MA10530-CCV8	1		
	15:24	MA10530-CCB8	1		
	15:29	ZZZZZZ	1		
	15:33	ZZZZZZ	1		
	15:37	ZZZZZZ	1		
	15:42	ZZZZZZ	1		
	15:46	ZZZZZZ	1		
	15:50	FA1616-1	1		
	15:54	FA1616-2	1		
	15:59	MP24606-MB2A	1		
---------->	Last reportable sample/prep for job FA1616				
	16:12	MA10530-CCV9	1		
	16:15	MA10530-CCB9	1		
	20:28	MA10530-CCV10	1		
	20:32	MA10530-CCB10	1		
	20:58	MA10530-CRIA2	1		
	21:03	MA10530-ICSA2	1		
	21:07	MA10530-ICSAB2	1		
	21:11	MA10530-CCV11	1		
	21:15	MA10530-CCB11	1		
---------->	Last reportable CCB for job FA1616				

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:40	MA10530-STD1	4329	34211	6072	2235
07:44	MA10530-STD2	4331	33882	6114	2105
07:48	MA10530-STD3	4171	32322	6011	1907
07:52	MA10530-STD4	3888	31144	5890	1729
07:56	MA10530-HSTD1	3930	31393	5910	1748
08:03	MA10530-ICV1	4101	32537	5971	1892
08:09	MA10530-ICB1	4298 R	34153 R	6035 R	2238 R
08:15	MA10530-CRIA1	4259	34211	6087	2162
08:24	MA10530-ICSA1	3738	28884	5784	1649
08:32	MA10530-ICSAB1	3677	28648	5706	1621
08:41	MA10530-CCV1	3975	32208	5985	1872
08:50	MA10530-CCB1	4231	34337	6107	2212
08:54	MP24602-MB1	4159	33797	5993	2161
08:58	MP24602-B1	4005	32231	5935	1942
09:02	FA1575-2	4180	33868	6074	2094
09:06	MP24602-D1	4222	34143	6117	2115
09:11	MP24602-SD1	4269	34632	6149	2205
09:15	MP24602-PS1	4184	33552	6071	2031
09:19	MP24602-S1	4029	32403	5955	1908
09:23	MP24602-S2	3982	32148	5844	1889
09:27	ZZZZZZ	4231	34113	6104	2116
09:31	ZZZZZZ	4265	34397	6138	2116
09:35	MA10530-CCV2	4070	32420	5986	1892
09:39	MA10530-CCB2	4235	33908	6036	2207
09:44	ZZZZZZ	4180	33781	6006	2131
09:48	ZZZZZZ	4478	34967	6489	1963
09:52	ZZZZZZ	4599	36298	6642	1993
09:56	ZZZZZZ	4827	37785	7020	1940
10:00	ZZZZZZ	5896 !	46932 !	8875 !	1840
10:04	ZZZZZZ	6412 !	50368 !	9654 !	1806
10:09	ZZZZZZ	4380	34479	6593	1846
10:13	ZZZZZZ	4643	36494	6790	1969
10:17	ZZZZZZ	4585	36135	6710	1939

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:21	ZZZZZZ	4200	33777	5955	2147
10:25	MA10530-CCV3	4054	32172	5944	1884
10:29	MA10530-CCB3	4258	33807	5956	2206
10:33	ZZZZZZ	4143	33134	5952	2060
10:37	ZZZZZZ	4200	33662	6030	2122
10:42	ZZZZZZ	4176	32994	5880	2103
10:46	ZZZZZZ	4233	33415	5976	2143
10:50	ZZZZZZ	4258	33773	5990	2174
10:54	ZZZZZZ	4193	32757	5837	2132
10:58	ZZZZZZ	4178	33232	5911	2112
11:03	ZZZZZZ	4095	32540	5995	2022
11:07	ZZZZZZ	4062	32216	5920	2004
11:11	ZZZZZZ	4222	33650	5914	2181
11:15	MA10530-CCV4	4054	31968	5909	1880
11:19	MA10530-CCB4	4282	33746	5976	2209
12:58	MA10530-CCV5	4157	31524	5944	1888
13:02	MA10530-CCB5	4360	33236	5953	2211
13:11	MP24606-MB1	4337	33204	5975	2186
13:15	MP24606-B1	4180	31630	5924	1955
13:19	FA1651-13	4237	32086	5999	2004
13:23	MP24606-D1	4239	31952	6002	2012
13:28	MP24606-SD1	4353	32857	5951	2155
13:32	MP24606-PS1	4226	31962	5991	1979
13:36	MP24606-S1	4180	31477	6004	1898
13:40	MP24606-S2	4145	31151	5915	1876
13:44	ZZZZZZ	4667	35133	6511	2088
13:48	MA10530-CCV6	4166	31311	5910	1878
13:52	MA10530-CCB6	4413	33133	5975	2210
14:25	MA10530-CCV7	4135	31444	5928	1878
14:33	MA10530-CCB7	4360	33040	5933	2202
14:38	ZZZZZZ	4342	33279	6124	2139
14:42	ZZZZZZ	4367	33341	6095	2169
14:47	ZZZZZZ	6443 !	48975 !	9112 !	2054

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10530
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:51	ZZZZZZ	4308	33032	6006	2162
14:55	ZZZZZZ	13652 !	104000 !	19474 !	1973
14:59	ZZZZZZ	4342	33222	6070	2138
15:03	ZZZZZZ	4377	33378	6127	2148
15:08	ZZZZZZ	4498	34088	6321	2100
15:12	ZZZZZZ	4072	31272	5947	1965
15:16	ZZZZZZ	4146	31813	6032	2013
15:20	MA10530-CCV8	4142	31420	6026	1882
15:24	MA10530-CCB8	4341	33333	6007	2206
15:29	ZZZZZZ	4065	31305	5926	1975
15:33	ZZZZZZ	4101	31328	5900	1990
15:37	ZZZZZZ	4389	33504	6104	2209
15:42	ZZZZZZ	4224	31711	6003	2013
15:46	ZZZZZZ	4140	31328	5954	1957
15:50	FA1616-1	4339	33121	6024	2192
15:54	FA1616-2	4373	33279	5982	2200
15:59	MP24606-MB2A	4390	33265	6053	2185
16:12	MA10530-CCV9	4148	31329	5926	1875
16:15	MA10530-CCB9	4389	33229	6016	2194
20:28	MA10530-CCV10	4154	32085	5940	1900
20:32	MA10530-CCB10	4363	33787	5992	2211
20:58	MA10530-CRIA2	4280	33037	5919	2139
21:03	MA10530-ICSA2	3767	28423	5720	1654
21:07	MA10530-ICSAB2	3778	28221	5677	1636
21:11	MA10530-CCV11	4107	31815	5861	1887
21:15	MA10530-CCB11	4318	33827	5932	2209

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10530 Units: ug/l

Time:			08:09		08:50		09:39		10:29	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.3	<200	4.2	<200	11.4	<200	0.40	<200
Antimony	6.0	1.3	0.50	<6.0	-0.50	<6.0	0.80	<6.0	1.0	<6.0
Arsenic	10	1.6	-0.40	<10	-0.50	<10	-0.40	<10	-0.20	<10
Barium	200	1	0.0	<200	0.0	<200	0.50	<200	0.10	<200
Beryllium	4.0	.5	-0.10	<4.0	0.0	<4.0	0.40	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	-0.30	<1000	5.4	<1000	10.8	<1000	5.4	<1000
Chromium	10	1.8	-0.10	<10	-0.20	<10	0.10	<10	-0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-1.3	<300	1.4	<300	11.2	<300	4.3	<300
Lead	5.0	1.1	-0.60	<5.0	-0.60	<5.0	0.20	<5.0	0.10	<5.0
Magnesium	5000	74	4.5	<5000	-0.60	<5000	15.2	<5000	18.4	<5000
Manganese	15	.7	0.0	<15	0.0	<15	0.30	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	-0.10	<40	0.20	<40	-0.10	<40
Potassium	10000	200	44.9	<10000	-26	<10000	-12	<10000	-23	<10000
Selenium	10	2	0.70	<10	0.0	<10	0.50	<10	0.80	<10
Silver	10	.5	anr							
Sodium	10000	500	7.3	<10000	-0.90	<10000	-1.2	<10000	-14	<10000
Strontium	10	.5								
Thallium	10	1.3	0.50	<10	0.0	<10	-0.30	<10	0.40	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.10	<50	0.50	<50	0.50	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10530 Units: ug/l

Time:			11:19		13:02		13:52		14:33	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.8	<200	-5.4	<200	5.9	<200	1.4	<200
Antimony	6.0	1.3	0.80	<6.0	1.2	<6.0	0.40	<6.0	0.20	<6.0
Arsenic	10	1.6	-0.40	<10	0.30	<10	0.60	<10	0.0	<10
Barium	200	1	0.20	<200	0.10	<200	0.10	<200	0.30	<200
Beryllium	4.0	.5	0.10	<4.0	0.0	<4.0	0.20	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	2.5	<1000	2.9	<1000	4.4	<1000	1.7	<1000
Chromium	10	1.8	-0.20	<10	-0.40	<10	0.10	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	4.8	<300	2.2	<300	5.3	<300	3.7	<300
Lead	5.0	1.1	-0.40	<5.0	-0.40	<5.0	-0.10	<5.0	0.30	<5.0
Magnesium	5000	74	5.0	<5000	9.4	<5000	17.2	<5000	-13	<5000
Manganese	15	.7	0.10	<15	0.10	<15	0.20	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.20	<40	-0.10	<40	-0.30	<40	0.0	<40
Potassium	10000	200	-21	<10000	-28	<10000	-15	<10000	63.8	<10000
Selenium	10	2	-0.70	<10	-0.20	<10	-0.20	<10	1.8	<10
Silver	10	.5	anr							
Sodium	10000	500	-13	<10000	-28	<10000	-17	<10000	12.4	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.90	<10	-0.10	<10	0.30	<10	0.50	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.30	<50	0.50	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10530 Units: ug/l

Time:			15:24		16:15		20:32		21:15	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.1	<200	12.6	<200	23.2	<200	37.3	<200
Antimony	6.0	1.3	-0.20	<6.0	0.90	<6.0	1.3	<6.0	0.50	<6.0
Arsenic	10	1.6	-0.60	<10	0.10	<10	-0.10	<10	-0.10	<10
Barium	200	1	0.50	<200	0.50	<200	0.60	<200	0.60	<200
Beryllium	4.0	.5	0.40	<4.0	0.50	<4.0	0.40	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.30	<5.0	0.30	<5.0
Calcium	1000	50	10.8	<1000	9.0	<1000	38.5	<1000	45.5	<1000
Chromium	10	1.8	0.50	<10	0.50	<10	0.30	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	7.9	<300	11.5	<300	17.6	<300	18.5	<300
Lead	5.0	1.1	0.90	<5.0	0.40	<5.0	0.80	<5.0	0.10	<5.0
Magnesium	5000	74	1.1	<5000	1.0	<5000	17.9	<5000	27.6	<5000
Manganese	15	.7	0.30	<15	0.30	<15	0.40	<15	0.40	<15
Molybdenum	50	.6								
Nickel	40	.5	0.20	<40	0.30	<40	0.50	<40	0.50	<40
Potassium	10000	200	52.4	<10000	36.7	<10000	45.4	<10000	33.4	<10000
Selenium	10	2	0.30	<10	1.6	<10	2.1	<10	2.3	<10
Silver	10	.5	anr							
Sodium	10000	500	13.2	<10000	8.0	<10000	13.2	<10000	23.7	<10000
Strontium	10	.5								
Thallium	10	1.3	0.70	<10	1.3	<10	-0.50	<10	0.30	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.50	<50	0.60	<50	0.50	<50	0.90	<50
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		08:03			08:41			09:35	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	39600	99.0	40000	40100	100.3
Antimony	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	1980	99.0	2000	2030	101.5	2000	2040	102.0
Barium	2000	2060	103.0	2000	1980	99.0	2000	2000	100.0
Beryllium	2000	2030	101.5	2000	1970	98.5	2000	2040	102.0
Cadmium	2000	2030	101.5	2000	2080	104.0	2000	2080	104.0
Calcium	40000	43000	107.5	40000	39700	99.3	40000	40600	101.5
Chromium	2000	2020	101.0	2000	2030	101.5	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	42000	105.0	40000	39000	97.5	40000	40100	100.3
Lead	2000	1970	98.5	2000	1950	97.5	2000	2010	100.5
Magnesium	40000	41600	104.0	40000	39000	97.5	40000	40300	100.8
Manganese	2000	2000	100.0	2000	2000	100.0	2000	2030	101.5
Molybdenum									
Nickel	2000	2040	102.0	2000	2050	102.5	2000	2060	103.0
Potassium	40000	41600	104.0	40000	38900	97.3	40000	39700	99.3
Selenium	2000	2050	102.5	2000	2030	101.5	2000	2040	102.0
Silver	anr								
Sodium	40000	38200	95.5	40000	39600	99.0	40000	39900	99.8
Strontium									
Thallium	2000	2070	103.5	2000	1980	99.0	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	1960	98.0	2000	2030	101.5	2000	2060	103.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		10:25			11:15			12:58	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40200	100.5	40000	39600	99.0
Antimony	2000	2040	102.0	2000	2030	101.5	2000	2000	100.0
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	1970	98.5
Barium	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Beryllium	2000	2050	102.5	2000	2050	102.5	2000	2090	104.5
Cadmium	2000	2070	103.5	2000	2060	103.0	2000	1960	98.0
Calcium	40000	40800	102.0	40000	40600	101.5	40000	40100	100.3
Chromium	2000	2060	103.0	2000	2050	102.5	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	40300	100.8	40000	40200	100.5	40000	41100	102.8
Lead	2000	2020	101.0	2000	2020	101.0	2000	2050	102.5
Magnesium	40000	40600	101.5	40000	40500	101.3	40000	40500	101.3
Manganese	2000	2050	102.5	2000	2040	102.0	2000	2080	104.0
Molybdenum									
Nickel	2000	2070	103.5	2000	2070	103.5	2000	2030	101.5
Potassium	40000	39900	99.8	40000	39900	99.8	40000	40000	100.0
Selenium	2000	2050	102.5	2000	2040	102.0	2000	1990	99.5
Silver	anr								
Sodium	40000	40000	100.0	40000	39900	99.8	40000	39200	98.0
Strontium									
Thallium	2000	2030	101.5	2000	2030	101.5	2000	2050	102.5
Tin									
Titanium									
Vanadium	2000	2070	103.5	2000	2070	103.5	2000	2070	103.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		13:48			14:25			15:20	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40100	100.3	40000	39600	99.0
Antimony	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	1970	98.5	2000	2010	100.5	2000	2020	101.0
Barium	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Beryllium	2000	2120	106.0	2000	2030	101.5	2000	2010	100.5
Cadmium	2000	1940	97.0	2000	2050	102.5	2000	2060	103.0
Calcium	40000	40600	101.5	40000	40400	101.0	40000	39800	99.5
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	41800	104.5	40000	40200	100.5	40000	39800	99.5
Lead	2000	2090	104.5	2000	2000	100.0	2000	1990	99.5
Magnesium	40000	41100	102.8	40000	40000	100.0	40000	39400	98.5
Manganese	2000	2100	105.0	2000	2040	102.0	2000	2060	103.0
Molybdenum									
Nickel	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Potassium	40000	40800	102.0	40000	39700	99.3	40000	39000	97.5
Selenium	2000	2000	100.0	2000	2010	100.5	2000	2020	101.0
Silver	anr								
Sodium	40000	39600	99.0	40000	40000	100.0	40000	39500	98.8
Strontium									
Thallium	2000	2080	104.0	2000	2010	100.5	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	2100	105.0	2000	2050	102.5	2000	2050	102.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10530 Units: ug/l

Time:		16:12			20:28			21:11	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40300	100.8	40000	40200	100.5
Antimony	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	2010	100.5	2000	2040	102.0	2000	2050	102.5
Barium	2000	2030	101.5	2000	1990	99.5	2000	2000	100.0
Beryllium	2000	2030	101.5	2000	2020	101.0	2000	2000	100.0
Cadmium	2000	2030	101.5	2000	2110	105.5	2000	2140	107.0
Calcium	40000	40200	100.5	40000	40900	102.3	40000	40800	102.0
Chromium	2000	2040	102.0	2000	2060	103.0	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	40200	100.5	40000	39700	99.3	40000	39800	99.5
Lead	2000	2000	100.0	2000	1990	99.5	2000	1990	99.5
Magnesium	40000	39900	99.8	40000	40400	101.0	40000	40400	101.0
Manganese	2000	2060	103.0	2000	2000	100.0	2000	2030	101.5
Molybdenum									
Nickel	2000	2040	102.0	2000	2070	103.5	2000	2080	104.0
Potassium	40000	39500	98.8	40000	39600	99.0	40000	39200	98.0
Selenium	2000	2020	101.0	2000	2040	102.0	2000	2050	102.5
Silver	anr								
Sodium	40000	39900	99.8	40000	40100	100.3	40000	39900	99.8
Strontium									
Thallium	2000	2030	101.5	2000	2000	100.0	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	2050	102.5	2000	2050	102.5	2000	2060	103.0
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10530 Units: ug/l

Time:		07:56	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79900	99.9
Antimony	4000	3980	99.5
Arsenic	4000	4020	100.5
Barium	4000	3950	98.8
Beryllium	4000	3890	97.3
Cadmium	4000	4010	100.3
Calcium	80000	79500	99.4
Chromium	4000	3960	99.0
Cobalt	anr		
Copper	anr		
Iron	80000	78500	98.1
Lead	4000	4000	100.0
Magnesium	80000	79700	99.6
Manganese	4000	3910	97.8
Molybdenum			
Nickel	4000	3960	99.0
Potassium	80000	79700	99.6
Selenium	4000	3990	99.8
Silver	anr		
Sodium	80000	80300	100.4
Strontium			
Thallium	4000	3960	99.0
Tin			
Titanium			
Vanadium	4000	3900	97.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10530 Units: ug/l

Time:			08:15		20:58	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	198	99.0	211	105.5
Antimony	10	5.0	4.9	98.0	5.4	108.0
Arsenic	20	10	10.5	105.0	10.2	102.0
Barium	400	200	200	100.0	204	102.0
Beryllium	10	5.0	4.9	98.0	5.1	102.0
Cadmium	10	5.0	5.3	106.0	5.6	112.0
Calcium	2000	1000	1040	104.0	1080	108.0
Chromium	20	10	10.2	102.0	10.7	107.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	308	102.7	318	106.0
Lead	10	5.0	4.5	90.0	5.7	114.0
Magnesium	10000	5000	5060	101.2	5220	104.4
Manganese	30	15	15.7	104.7	15.9	106.0
Molybdenum	100	50				
Nickel	80	40	42.5	106.3	43.5	108.8
Potassium	20000	10000	9650	96.5	9870	98.7
Selenium	20	10	9.6	96.0	10.9	109.0
Silver	20	10	anr			
Sodium	20000	10000	9970	99.7	10300	103.0
Strontium	20	10				
Thallium	20	10	9.9	99.0	10.1	101.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	50.2	100.4	50.8	101.6
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021313M1.ICP Date Analyzed: 02/13/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10530 Units: ug/l

Time:			08:24		08:32		21:03		21:07	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	509000	101.8	513000	102.6	516000	103.2	513000	102.6
Antimony		1000	-0.40		1050	105.0	1.0		1040	104.0
Arsenic		1000	1.2		1030	103.0	1.3		1030	103.0
Barium		500	-0.60		480	96.0	-0.40		476	95.2
Beryllium		500	-0.30		461	92.2	0.0		463	92.6
Cadmium		1000	0.0		904	90.4	0.60		905	90.5
Calcium	500000	500000	480000	96.0	481000	96.2	486000	97.2	479000	95.8
Chromium		500	-0.20		461	92.2	-0.20		461	92.2
Cobalt		500	0.40		446	89.2	0.40		445	89.0
Copper		500	1.4		502	100.4	2.0		500	100.0
Iron	200000	200000	186000	93.0	181000	90.5	182000	91.0	181000	90.5
Lead		1000	-0.10		888	88.8	-0.40		887	88.7
Magnesium	500000	500000	498000	99.6	498000	99.6	502000	100.4	501000	100.2
Manganese		500	-0.70		465	93.0	-0.70		460	92.0
Molybdenum		1000	-0.90		965	96.5	-0.80		960	96.0
Nickel		1000	-0.20		872	87.2	-0.30		872	87.2
Potassium			50.9		69.5		48.1		27.7	
Selenium		1000	0.0		1010	101.0	3.5		1010	101.0
Silver		1000	0.0		995	99.5	-0.10		979	97.9
Sodium			136		172		101		131	
Strontium		1000	3.2		1020	102.0	3.3		1010	101.0
Thallium		1000	-0.90		960	96.0	-0.30		956	95.6
Tin		1000	0.40		931	93.1	0.50		933	93.3
Titanium		1000	-1.4		1040	104.0	-1.0		1030	103.0
Vanadium		500	0.20		468	93.6	0.50		466	93.2
Zinc		1000	0.0		889	88.9	-0.60		891	89.1

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:58	MA10533-STD1	1		STDA
08:11	MA10533-STD2	1		STDB
08:14	MA10533-STD3	1		STDC
08:19	MA10533-STD4	1		STDD
08:23	MA10533-HSTD1	1		
08:31	MA10533-ICV1	1		
08:40	MA10533-ICB1	1		
08:44	MA10533-CRIA1	1		
08:58	MA10533-ICSA1	1		
09:07	MA10533-ICSAB1	1		
09:17	MA10533-CCV1	1		
09:25	MA10533-CCB1	1		
09:48	MA10533-CCV2	1		
09:57	MA10533-CCB2	1		
10:01	MP24609-MB1	1		
10:05	MP24609-B1	1		
10:09	FA1663-1	1		(sample used for QC only; not part of login FA1616)
10:13	MP24609-D1	1		
10:18	MP24609-SD1	5		
10:22	MP24609-PS1	1		
10:26	MP24609-S1	1		
10:30	MP24609-S2	1		
10:34	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:42	MA10533-CCV3	1		
10:46	MA10533-CCB3	1		
10:50	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:59	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:07	ZZZZZZ	1		
11:11	ZZZZZZ	1		
11:15	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:19	ZZZZZZ	1		
	11:23	ZZZZZZ	1		
	11:31	MA10533-CCV4	1		
	11:35	MA10533-CCB4	1		
	11:39	ZZZZZZ	1		
	11:48	ZZZZZZ	1		
	11:57	ZZZZZZ	1		
	12:02	ZZZZZZ	1		
	12:11	ZZZZZZ	10		
	12:15	ZZZZZZ	10		
	12:19	MP24610-MB1	1		
	12:23	MA10533-CCV5	1		
	12:27	MA10533-CCB5	1		
	12:31	MP24610-B1	1		
	12:35	FA1682-1	1		(sample used for QC only; not part of login FA1616)
	12:40	MP24610-D1	1		
	12:45	MP24610-SD1	5		
	12:49	MP24610-PS1	1		
	12:53	MP24610-S1	1		
	12:58	MP24610-S2	1		
	13:02	ZZZZZZ	1		
	13:06	ZZZZZZ	1		
	13:11	ZZZZZZ	1		
	13:15	MA10533-CCV6	1		
	13:19	MA10533-CCB6	1		
	13:23	ZZZZZZ	1		
	13:27	ZZZZZZ	1		
	13:31	ZZZZZZ	1		
	13:35	FA1616-5	5		
---------->	Last reportable sample/prep for job FA1616				
	13:39	MP24615-MB1	1		
	13:43	MP24615-B1	1		
	13:47	FA1695-1	1		(sample used for QC only; not part of login FA1616)
	13:51	MP24615-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:56	MP24615-SD1	5		
14:00	MP24615-PS1	1		
14:04	MA10533-CCV7	1		
14:08	MA10533-CCB7	1		
14:12	MP24615-S1	1		
14:16	MP24615-S2	1		
14:20	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:29	ZZZZZZ	1		
14:33	MP24614-MB1	1		
14:37	MP24614-B1	1		
14:41	ZZZZZZ	5		
14:45	FA1660-1L	1		(sample used for QC only; not part of login FA1616)
14:50	MP24614-D1	1		
14:54	MA10533-CCV8	1		
14:58	MA10533-CCB8	1		
15:02	MP24614-SD1	5		
15:06	MP24614-S1	1		
15:10	MP24614-S2	1		
15:14	ZZZZZZ	1		
15:19	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:45	MA10533-CCV9	1		
15:49	MA10533-CCB9	1		
15:53	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:06	MP24614-D2	1		
16:10	MP24614-MB2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:14	MP24614-B2	1		
16:18	MP24614-MB3	1		
16:23	MP24614-B3	1		
16:31	MP24616-B1	1		
16:35	MA10533-CCV10	1		
16:39	MA10533-CCB10	1		
16:43	FA1677-1	1		(sample used for QC only; not part of login FA1616)
16:47	MP24616-D1	1		
16:51	MP24616-SD1	5		
16:56	MP24616-PS1	1		
17:00	MP24616-S1	1		
17:04	MP24616-S2	1		
17:07	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:20	ZZZZZZ	1		
17:24	MA10533-CCV11	1		
17:28	MA10533-CCB11	1		
17:33	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:45	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:53	ZZZZZZ	1		
17:57	MA10533-CRIA2	1		
18:01	MA10533-ICSA2	1		
18:06	MA10533-ICSAB2	1		
18:10	MA10533-CCV12	1		
18:14	MA10533-CCB12	1		

----------> Last reportable CCB for job FA1616
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:58	MA10533-STD1	6972	41696	7396	3329
08:11	MA10533-STD2	6824	42173	7519	3096
08:14	MA10533-STD3	6582	39827	7407	2763
08:19	MA10533-STD4	6319	38813	7304	2506
08:23	MA10533-HSTD1	6238	39013	7268	2497
08:31	MA10533-ICV1	6455	39506	7321	2719
08:40	MA10533-ICB1	6666 R	42710 R	7473 R	3319 R
08:44	MA10533-CRIA1	6577	41114	7396	3128
08:58	MA10533-ICSA1	5889	36257	7168	2397
09:07	MA10533-ICSAB1	5992	36245	7250	2369
09:17	MA10533-CCV1	6323	40699	7472	2728
09:25	MA10533-CCB1	6713	42791	7478	3331
09:48	MA10533-CCV2	6178	40148	7222	2679
09:57	MA10533-CCB2	6681	42421	7480	3322
10:01	MP24609-MB1	6559	42473	7423	3223
10:05	MP24609-B1	6158	40276	7114	2787
10:09	FA1663-1	8682	56260	9956	2966
10:13	MP24609-D1	8716	55511	9888	3007
10:18	MP24609-SD1	7244	45932	8037	3212
10:22	MP24609-PS1	8616	55685	9860	2894
10:26	MP24609-S1	8161	51965	9480	2774
10:30	MP24609-S2	8441	53416	9704	2811
10:34	ZZZZZZ	7401	48118	8387	3095
10:38	ZZZZZZ	6981	45299	8070	2954
10:42	MA10533-CCV3	6381	40536	7338	2755
10:46	MA10533-CCB3	6761	43257	7535	3361
10:50	ZZZZZZ	6944	44978	7915	3044
10:54	ZZZZZZ	8128	51424	9654	2549
10:59	ZZZZZZ	7111	44709	8057	2928
11:03	ZZZZZZ	7040	44447	7928	3059
11:07	ZZZZZZ	7321	47062	8478	2923
11:11	ZZZZZZ	6801	44159	7677	3098
11:15	ZZZZZZ	6818	42833	7560	3107

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:19	ZZZZZZ	6831	43254	7742	3020
11:23	ZZZZZZ	6828	43764	7597	3080
11:31	MA10533-CCV4	6439	40233	7314	2739
11:35	MA10533-CCB4	6567	42166	7270	3282
11:39	ZZZZZZ	6562	42733	7426	3213
11:48	ZZZZZZ	8370 !	52234	9662 !	2519
11:57	ZZZZZZ	7547	46175	8801	2466
12:02	ZZZZZZ	7994	49502	9183	2558
12:11	ZZZZZZ	8022	50630	8971	2930
12:15	ZZZZZZ	8474	52272	9377	2868
12:19	MP24610-MB1	6650	42178	7169	3248
12:23	MA10533-CCV5	6331	40348	7117	2724
12:27	MA10533-CCB5	6637	42032	7176	3293
12:31	MP24610-B1	6536	40236	7120	2872
12:35	FA1682-1	12878 !	80027 !	14565 !	2528
12:40	MP24610-D1	12229 !	77816 !	14130 !	2553
12:45	MP24610-SD1	8127	50684	8899	2985
12:49	MP24610-PS1	12823 !	78709 !	14434 !	2504
12:53	MP24610-S1	11587 !	73287 !	13309 !	2466
12:58	MP24610-S2	12022 !	76023 !	13956 !	2435
13:02	ZZZZZZ	6817	42897	7288	3175
13:06	ZZZZZZ	6746	42437	7232	3131
13:11	ZZZZZZ	6688	42856	7125	3149
13:15	MA10533-CCV6	6586	40933	7185	2763
13:19	MA10533-CCB6	6965	42416	7269	3352
13:23	ZZZZZZ	6854	41398	7094	3104
13:27	ZZZZZZ	6749	42541	7196	3213
13:31	ZZZZZZ	6632	41458	7088	3174
13:35	FA1616-5	7764	46296	8359	2882
13:39	MP24615-MB1	6765	39647	7304	3241
13:43	MP24615-B1	6452	40344	7066	2856
13:47	FA1695-1	11743 !	72774 !	12706 !	2950
13:51	MP24615-D1	11288 !	67791 !	11992 !	2974

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:56	MP24615-SD1	8153	49573	8530	3263
14:00	MP24615-PS1	11419 !	71526 !	12337 !	2873
14:04	MA10533-CCV7	6512	40416	7165	2746
14:08	MA10533-CCB7	6889	42034	7267	3324
14:12	MP24615-S1	12193 !	74120 !	13237 !	2768
14:16	MP24615-S2	10130 !	64256 !	11272 !	2747
14:20	ZZZZZZ	11375 !	73423 !	12551 !	2949
14:24	ZZZZZZ	6873	42642	7676	2753
14:29	ZZZZZZ	6296	38367	7372	2285
14:33	MP24614-MB1	6787	43312	7301	3321
14:37	MP24614-B1	6604	41876	7313	2939
14:41	ZZZZZZ	6459	40028	7331	2753
14:45	FA1660-1L	6344	40118	7267	2841
14:50	MP24614-D1	6299	40226	7281	2849
14:54	MA10533-CCV8	6458	40408	7292	2734
14:58	MA10533-CCB8	6543	40117	6940	3171
15:02	MP24614-SD1	6659	41111	7246	3080
15:06	MP24614-S1	6379	39656	7194	2689
15:10	MP24614-S2	6422	38471	7096	2677
15:14	ZZZZZZ	6642	40232	7310	2895
15:19	ZZZZZZ	6600	42109	7742	2969
15:23	ZZZZZZ	6651	41356	7743	2958
15:27	ZZZZZZ	6778	41296	7753	2993
15:32	ZZZZZZ	6780	40848	7703	2973
15:36	ZZZZZZ	6696	41216	7570	2908
15:41	ZZZZZZ	6712	41267	7755	2944
15:45	MA10533-CCV9	6760	41023	7465	2798
15:49	MA10533-CCB9	7185	44051	7799	3437
15:53	ZZZZZZ	6745	40809	7480	2948
15:57	ZZZZZZ	6577	41218	7521	2875
16:02	ZZZZZZ	6760	40748	7602	2954
16:06	MP24614-D2	6626	39929	7476	2868
16:10	MP24614-MB2	6822	40954	7685	2988

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10533
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:14	MP24614-B2	6755	41225	7562	2841
16:18	MP24614-MB3	6645	41277	7626	2972
16:23	MP24614-B3	6819	41151	7740	2856
16:31	MP24616-B1	6932	42329	7746	3004
16:35	MA10533-CCV10	6720	41917	7517	2803
16:39	MA10533-CCB10	7060	43903	7718	3437
16:43	FA1677-1	6915	41833	7789	3120
16:47	MP24616-D1	6937	42087	7835	3115
16:51	MP24616-SD1	7071	43858	7739	3321
16:56	MP24616-PS1	6799	42178	7670	3023
17:00	MP24616-S1	6848	41558	7801	2914
17:04	MP24616-S2	6796	41338	7526	2893
17:07	ZZZZZZ	6748	41711	7833	2955
17:12	ZZZZZZ	6628	41510	7546	2994
17:16	ZZZZZZ	7292	44590	8184	2944
17:20	ZZZZZZ	6912	41653	7723	3032
17:24	MA10533-CCV11	6803	41186	7573	2813
17:28	MA10533-CCB11	7123	43684	7604	3427
17:33	ZZZZZZ	6801	41449	7436	2991
17:37	ZZZZZZ	7261	44062	7916	3170
17:41	ZZZZZZ	6804	41126	7623	3028
17:45	ZZZZZZ	6999	42407	7664	3207
17:49	ZZZZZZ	6835	42279	7464	3170
17:53	ZZZZZZ	6613	41625	7574	2962
17:57	MA10533-CRIA2	7017	42751	7610	3264
18:01	MA10533-ICSA2	6304	37113	7261	2469
18:06	MA10533-ICSAB2	6237	36604	7088	2409
18:10	MA10533-CCV12	6802	41611	7405	2815
18:14	MA10533-CCB12	7065	43205	7434	3395

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10533 Units: ug/l

Time:			08:40		09:25		09:57		10:46	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.4	<200	9.0	<200	8.5	<200	1.9	<200
Antimony	6.0	1.3	0.50	<6.0	0.60	<6.0	0.50	<6.0	-0.10	<6.0
Arsenic	10	1.6	0.20	<10	0.30	<10	0.90	<10	0.30	<10
Barium	200	1	0.10	<200	0.30	<200	0.50	<200	0.30	<200
Beryllium	4.0	.5	0.10	<4.0	0.40	<4.0	0.20	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	1.0	<1000	13.4	<1000	8.9	<1000	8.0	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	0.40	<10	0.50	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	2.0	<300	11.6	<300	6.6	<300	9.4	<300
Lead	5.0	1.1	0.30	<5.0	0.0	<5.0	-0.10	<5.0	0.20	<5.0
Magnesium	5000	74	7.3	<5000	5.0	<5000	8.2	<5000	20.8	<5000
Manganese	15	.7	0.0	<15	0.30	<15	0.30	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.20	<40	0.10	<40	0.20	<40	0.20	<40
Potassium	10000	200	-3.9	<10000	17.0	<10000	23.2	<10000	-10	<10000
Selenium	10	2	2.1	<10	1.9	<10	0.10	<10	-0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	0.70	<10000	25.9	<10000	19.4	<10000	7.4	<10000
Strontium	10	.5								
Thallium	10	1.3	0.50	<10	0.80	<10	1.4	<10	1.8	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.20	<50	0.0	<50	0.30	<50	0.20	<50
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10533 Units: ug/l

Time:			11:35		12:27		13:19		14:08	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	8.0	<200	0.40	<200	-2.6	<200	-2.7	<200
Antimony	6.0	1.3	-0.40	<6.0	0.0	<6.0	0.0	<6.0	-0.20	<6.0
Arsenic	10	1.6	0.30	<10	-0.20	<10	0.60	<10	0.70	<10
Barium	200	1	0.10	<200	0.40	<200	-0.20	<200	0.30	<200
Beryllium	4.0	.5	0.20	<4.0	0.30	<4.0	0.0	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	31.8	<1000	10.3	<1000	1.3	<1000	5.0	<1000
Chromium	10	1.8	0.30	<10	0.30	<10	0.20	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	7.4	<300	10.4	<300	3.3	<300	4.9	<300
Lead	5.0	1.1	0.60	<5.0	0.40	<5.0	-0.20	<5.0	0.0	<5.0
Magnesium	5000	74	11.1	<5000	3.9	<5000	0.70	<5000	-1.1	<5000
Manganese	15	.7	0.20	<15	0.20	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.30	<40	0.10	<40	0.0	<40	0.0	<40
Potassium	10000	200	-26	<10000	5.8	<10000	-12	<10000	22.9	<10000
Selenium	10	2	0.60	<10	-0.70	<10	-0.70	<10	-0.10	<10
Silver	10	.5	anr							
Sodium	10000	500	54.5	<10000	20.8	<10000	27.0	<10000	31.0	<10000
Strontium	10	.5								
Thallium	10	1.3	0.80	<10	0.70	<10	1.7	<10	1.2	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.20	<50	0.40	<50	0.10	<50	0.20	<50
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10533 Units: ug/l

Time:			14:58		15:49		16:39		17:28	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.8	<200	3.2	<200	6.5	<200	5.5	<200
Antimony	6.0	1.3	0.0	<6.0	0.20	<6.0	-0.30	<6.0	-0.10	<6.0
Arsenic	10	1.6	0.30	<10	0.80	<10	0.70	<10	0.50	<10
Barium	200	1	0.10	<200	0.0	<200	0.10	<200	0.20	<200
Beryllium	4.0	.5	0.30	<4.0	0.20	<4.0	0.30	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	8.7	<1000	4.6	<1000	5.2	<1000	6.4	<1000
Chromium	10	1.8	0.50	<10	0.30	<10	0.50	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	7.6	<300	9.1	<300	7.4	<300	7.8	<300
Lead	5.0	1.1	-0.40	<5.0	-1.0	<5.0	-1.0	<5.0	-1.2	<5.0
Magnesium	5000	74	5.2	<5000	-12	<5000	8.7	<5000	13.9	<5000
Manganese	15	.7	0.30	<15	0.30	<15	0.20	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.20	<40	0.10	<40	0.20	<40	0.10	<40
Potassium	10000	200	65.1	<10000	23.0	<10000	32.8	<10000	25.7	<10000
Selenium	10	2	-0.50	<10	-0.70	<10	-0.50	<10	-0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	69.3	<10000	91.8	<10000	92.2	<10000	80.2	<10000
Strontium	10	.5								
Thallium	10	1.3	1.4	<10	7.4	<10* (a)	7.0	<10* (a)	5.6	<10* (a)
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.20	<50	0.30	<50	0.0	<50
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Tl_ reported in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10533 Units: ug/l

Time:			18:14	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	15	6.6	<200
Antimony	6.0	1.3	-0.50	<6.0
Arsenic	10	1.6	1.0	<10
Barium	200	1	0.10	<200
Beryllium	4.0	.5	0.20	<4.0
Cadmium	5.0	.5	0.10	<5.0
Calcium	1000	50	11.7	<1000
Chromium	10	1.8	0.50	<10
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	10.0	<300
Lead	5.0	1.1	-0.90	<5.0
Magnesium	5000	74	0.60	<5000
Manganese	15	.7	0.30	<15
Molybdenum	50	.6		
Nickel	40	.5	0.10	<40
Potassium	10000	200	25.3	<10000
Selenium	10	2	0.10	<10
Silver	10	.5	anr	
Sodium	10000	500	66.2	<10000
Strontium	10	.5		
Thallium	10	1.3	5.6	<10* (a)
Tin	50	.7		
Titanium	10	.9		
Vanadium	50	.5	0.30	<50
Zinc	20	3		

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Tl_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10533 Units: ug/l

Time:		08:31			09:17			09:48	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	40500	101.3	40000	40700	101.8
Antimony	2000	2040	102.0	2000	2080	104.0	2000	2050	102.5
Arsenic	2000	2010	100.5	2000	2100	105.0	2000	2050	102.5
Barium	2000	2090	104.5	2000	2050	102.5	2000	2080	104.0
Beryllium	2000	2040	102.0	2000	1970	98.5	2000	2050	102.5
Cadmium	2000	2070	103.5	2000	2170	108.5	2000	2090	104.5
Calcium	40000	43100	107.8	40000	40600	101.5	40000	40900	102.3
Chromium	2000	2060	103.0	2000	2060	103.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	42200	105.5	40000	39000	97.5	40000	40800	102.0
Lead	2000	1960	98.0	2000	1940	97.0	2000	1990	99.5
Magnesium	40000	41900	104.8	40000	39500	98.8	40000	40900	102.3
Manganese	2000	2040	102.0	2000	1990	99.5	2000	2040	102.0
Molybdenum									
Nickel	2000	2070	103.5	2000	2090	104.5	2000	2070	103.5
Potassium	40000	42100	105.3	40000	39200	98.0	40000	40100	100.3
Selenium	2000	2080	104.0	2000	2100	105.0	2000	2050	102.5
Silver	anr								
Sodium	40000	38900	97.3	40000	40800	102.0	40000	40800	102.0
Strontium									
Thallium	2000	2070	103.5	2000	1980	99.0	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	1990	99.5	2000	2030	101.5	2000	2050	102.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10533 Units: ug/l

Time:		10:42			11:31			12:23	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40200	100.5	40000	40200	100.5
Antimony	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Barium	2000	2030	101.5	2000	2050	102.5	2000	2060	103.0
Beryllium	2000	2020	101.0	2000	2060	103.0	2000	2010	100.5
Cadmium	2000	2070	103.5	2000	2020	101.0	2000	2060	103.0
Calcium	40000	40300	100.8	40000	40300	100.8	40000	40000	100.0
Chromium	2000	2050	102.5	2000	2040	102.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	40100	100.3	40000	40800	102.0	40000	40000	100.0
Lead	2000	1990	99.5	2000	2020	101.0	2000	2000	100.0
Magnesium	40000	40400	101.0	40000	40700	101.8	40000	39900	99.8
Manganese	2000	2050	102.5	2000	2070	103.5	2000	2050	102.5
Molybdenum									
Nickel	2000	2050	102.5	2000	2040	102.0	2000	2050	102.5
Potassium	40000	40000	100.0	40000	40700	101.8	40000	40600	101.5
Selenium	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Silver	anr								
Sodium	40000	40300	100.8	40000	40400	101.0	40000	40700	101.8
Strontium									
Thallium	2000	2010	100.5	2000	2040	102.0	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	2070	103.5	2000	2070	103.5	2000	2050	102.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10533 Units: ug/l

Time:		13:15			14:04			14:54	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39700	99.3	40000	39800	99.5
Antimony	2000	1980	99.0	2000	2000	100.0	2000	2020	101.0
Arsenic	2000	1960	98.0	2000	1980	99.0	2000	1990	99.5
Barium	2000	2030	101.5	2000	2040	102.0	2000	2050	102.5
Beryllium	2000	1980	99.0	2000	2000	100.0	2000	1990	99.5
Cadmium	2000	1970	98.5	2000	1990	99.5	2000	2000	100.0
Calcium	40000	39100	97.8	40000	39200	98.0	40000	39300	98.3
Chromium	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Cobalt									
Copper	anr								
Iron	40000	39600	99.0	40000	39700	99.3	40000	39600	99.0
Lead	2000	2010	100.5	2000	2010	100.5	2000	2000	100.0
Magnesium	40000	39200	98.0	40000	39400	98.5	40000	39000	97.5
Manganese	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Molybdenum									
Nickel	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Potassium	40000	40500	101.3	40000	41000	102.5	40000	41000	102.5
Selenium	2000	1980	99.0	2000	1990	99.5	2000	2010	100.5
Silver	anr								
Sodium	40000	40000	100.0	40000	40400	101.0	40000	40600	101.5
Strontium									
Thallium	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Tin									
Titanium									
Vanadium	2000	2040	102.0	2000	2060	103.0	2000	2060	103.0
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10533 Units: ug/l

Time:		15:45			16:35			17:24	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39400	98.5	40000	39300	98.3
Antimony	2000	2000	100.0	2000	2010	100.5	2000	2000	100.0
Arsenic	2000	1960	98.0	2000	1960	98.0	2000	1950	97.5
Barium	2000	2070	103.5	2000	2090	104.5	2000	2070	103.5
Beryllium	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Cadmium	2000	1910	95.5	2000	1920	96.0	2000	1900	95.0
Calcium	40000	39100	97.8	40000	38800	97.0	40000	38700	96.8
Chromium	2000	2010	100.5	2000	1950	97.5	2000	1980	99.0
Cobalt									
Copper	anr								
Iron	40000	40800	102.0	40000	40600	101.5	40000	40600	101.5
Lead	2000	2040	102.0	2000	2010	100.5	2000	2030	101.5
Magnesium	40000	39400	98.5	40000	39000	97.5	40000	38900	97.3
Manganese	2000	2060	103.0	2000	2030	101.5	2000	2060	103.0
Molybdenum									
Nickel	2000	2010	100.5	2000	2000	100.0	2000	1990	99.5
Potassium	40000	42000	105.0	40000	41300	103.3	40000	41600	104.0
Selenium	2000	1990	99.5	2000	1980	99.0	2000	1980	99.0
Silver	anr								
Sodium	40000	40400	101.0	40000	40100	100.3	40000	39900	99.8
Strontium									
Thallium	2000	1990	99.5	2000	2040	102.0	2000	2050	102.5
Tin									
Titanium									
Vanadium	2000	2080	104.0	2000	2020	101.0	2000	2060	103.0
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10533 Units: ug/l

Time:		18:10	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	40000	38900	97.3
Antimony	2000	1970	98.5
Arsenic	2000	1930	96.5
Barium	2000	2050	102.5
Beryllium	2000	2020	101.0
Cadmium	2000	1880	94.0
Calcium	40000	38400	96.0
Chromium	2000	1950	97.5
Cobalt			
Copper	anr		
Iron	40000	40100	100.3
Lead	2000	2010	100.5
Magnesium	40000	38600	96.5
Manganese	2000	2020	101.0
Molybdenum			
Nickel	2000	1970	98.5
Potassium	40000	41300	103.3
Selenium	2000	1950	97.5
Silver	anr		
Sodium	40000	39700	99.3
Strontium			
Thallium	2000	2040	102.0
Tin			
Titanium			
Vanadium	2000	2020	101.0
Zinc			

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10533 Units: ug/l

Time:		08:23	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79800	99.8
Antimony	4000	4000	100.0
Arsenic	4000	4020	100.5
Barium	4000	3970	99.3
Beryllium	4000	3940	98.5
Cadmium	4000	3990	99.8
Calcium	80000	79600	99.5
Chromium	4000	3920	98.0
Cobalt			
Copper	anr		
Iron	80000	79700	99.6
Lead	4000	4010	100.3
Magnesium	80000	79500	99.4
Manganese	4000	3910	97.8
Molybdenum			
Nickel	4000	3960	99.0
Potassium	80000	80100	100.1
Selenium	4000	3980	99.5
Silver	anr		
Sodium	80000	80000	100.0
Strontium			
Thallium	4000	3990	99.8
Tin			
Titanium			
Vanadium	4000	3880	97.0
Zinc			

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10533 Units: ug/l

Time:			08:44		17:57	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	220	110.0	198	99.0
Antimony	10	5.0	6.3	126.0	4.6	92.0
Arsenic	20	10	10.5	105.0	9.9	99.0
Barium	400	200	206	103.0	202	101.0
Beryllium	10	5.0	5.2	104.0	4.9	98.0
Cadmium	10	5.0	5.5	110.0	4.8	96.0
Calcium	2000	1000	1070	107.0	991	99.1
Chromium	20	10	11.0	110.0	10.3	103.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	319	106.3	316	105.3
Lead	10	5.0	5.0	100.0	3.5	70.0
Magnesium	10000	5000	5260	105.2	4960	99.2
Manganese	30	15	16.2	108.0	15.9	106.0
Molybdenum	100	50				
Nickel	80	40	44.4	111.0	41.4	103.5
Potassium	20000	10000	9970	99.7	10300	103.0
Selenium	20	10	11.2	112.0	9.5	95.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10100	101.0
Strontium	20	10				
Thallium	20	10	9.2	92.0	9.5	95.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	51.2	102.4	50.6	101.2
Zinc	40	20				

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

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

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10533 Units: ug/l

Time:			08:58		09:07		18:01		18:06	
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	502000	100.4	488000	97.6	496000	99.2
Antimony		1000	0.50		1010	101.0	-0.90		970	97.0
Arsenic		1000	-1.0		1020	102.0	-0.30		958	95.8
Barium		500	-0.50		482	96.4	-0.50		486	97.2
Beryllium		500	-0.10		455	91.0	-0.10		462	92.4
Cadmium		1000	0.0		897	89.7	-2.5		800	80.0
Calcium	500000	500000	482000	96.4	478000	95.6	458000	91.6	456000	91.2
Chromium		500	0.0		453	90.6	0.20		439	87.8
Cobalt		500	0.50		441	88.2	0.40		398	80.0
Copper		500	0.0		480	96.0	0.0		501	100.2
Iron	200000	200000	182000	91.0	180000	90.0	184000	92.0	183000	91.5
Lead		1000	0.90		869	86.9	-4.1		880	88.0
Magnesium	500000	500000	472000	94.4	472000	94.4	459000	91.8	462000	92.4
Manganese		500	-0.30		459	91.8	-0.60		463	92.6
Molybdenum		1000	-0.10		943	94.3	0.20		921	92.1
Nickel		1000	0.0		861	86.1	1.2		825	82.5
Potassium			59.9		44.8		53.2		38.4	
Selenium		1000	-0.50		993	99.3	-0.20		936	93.6
Silver		1000	-0.80		923	92.3	-1.1		931	93.1
Sodium			114		158		282		260	
Strontium		1000	3.8		1020	102.0	4.6		1080	108.0
Thallium		1000	0.0		949	94.9	1.5		955	95.5
Tin		1000	-0.20		913	91.3	-0.30		839	83.9
Titanium		1000	-2.1		1020	102.0	-2.6		1060	106.0
Vanadium		500	-0.80		456	91.2	-0.40		456	91.2
Zinc		1000	-0.20		873	87.3	-0.90		846	84.6

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10534
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:51	MA10534-STD1	1		STDA
07:55	MA10534-STD2	1		STDB
08:01	MA10534-STD3	1		STDC
08:05	MA10534-STD4	1		STDD
08:12	MA10534-HSTD1	1		
08:18	MA10534-ICV1	1		
08:31	MA10534-ICB1	1		
08:36	MA10534-CRIA1	1		
08:45	MA10534-ICSA1	1		
08:53	MA10534-ICSAB1	1		
09:06	MA10534-CCV1	1		
09:11	MA10534-CCB1	1		
09:19	MP24608-MB1	1		
09:24	MP24608-B1	1		
09:28	FA1672-1	1		(sample used for QC only; not part of login FA1616)
09:32	MP24608-D1	1		
09:37	MP24608-SD1	5		
09:41	MP24608-PS1	1		
09:46	MP24608-S1	1		
09:50	MP24608-S2	1		
09:54	ZZZZZZ	1		
09:59	ZZZZZZ	1		
10:03	MA10534-CCV2	1		
10:07	MA10534-CCB2	1		
10:12	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:21	ZZZZZZ	1		
10:25	ZZZZZZ	1		
10:30	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:39	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:48	MP24607-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10534
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:52	MP24607-B1	1		
10:57	MA10534-CCV3	1		
11:01	MA10534-CCB3	1		
11:05	FA1675-1	1		(sample used for QC only; not part of login FA1616)
11:10	MP24607-D1	1		
11:15	MP24607-SD1	5		
11:19	MP24607-PS1	1		
11:24	MP24607-S1	1		
11:29	MP24607-S2	1		
11:34	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:42	ZZZZZZ	1		
11:51	MA10534-CCV4	1		
11:56	MA10534-CCB4	1		
12:45	MA10534-CCV5	1		
12:49	MA10534-CCB5	1		
13:39	MA10534-CCV6	1		
13:43	MA10534-CCB6	1		
14:39	FA1616-4F	1		
---------->	Last reportable sample/prep for job FA1616			
14:44	MA10534-CRIA2	1		
14:48	MA10534-CCV7	1		
14:52	MA10534-CCB7	1		
14:57	MA10534-ICSA2	1		
15:02	MA10534-ICSAB2	1		
15:06	MA10534-CCV8	1		
15:10	MA10534-CCB8	1		
---------->	Last reportable CCB for job FA1616			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10534
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:51	MA10534-STD1	2062	18667	6852	1213
07:55	MA10534-STD2	2016	18180	6897	1122
08:01	MA10534-STD3	1929	17359	6835	998
08:05	MA10534-STD4	1869	16812	6702	927
08:12	MA10534-HSTD1	1855	16763	6711	921
08:18	MA10534-ICV1	1934	17422	6866	997
08:31	MA10534-ICB1	2048 R	18351 R	6844 R	1186 R
08:36	MA10534-CRIA1	2031	17994	6812	1147
08:45	MA10534-ICSA1	1763	15210	6492	867
08:53	MA10534-ICSAB1	1761	15213	6445	855
09:06	MA10534-CCV1	1941	17091	6729	992
09:11	MA10534-CCB1	2088	18295	6814	1208
09:19	MP24608-MB1	2116	18738	6939	1215
09:24	MP24608-B1	1949	17241	6876	1037
09:28	FA1672-1	1914	17002	6801	1042
09:32	MP24608-D1	1895	16881	6713	1035
09:37	MP24608-SD1	1991	17722	6835	1128
09:41	MP24608-PS1	1901	16945	6838	1018
09:46	MP24608-S1	1891	16620	6718	982
09:50	MP24608-S2	1875	16519	6664	980
09:54	ZZZZZZ	1975	17594	6889	1108
09:59	ZZZZZZ	1905	16989	6854	1033
10:03	MA10534-CCV2	1921	17006	6733	984
10:07	MA10534-CCB2	2044	18181	6781	1190
10:12	ZZZZZZ	1943	17253	6934	1029
10:16	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:21	ZZZZZZ	1951	17217	6760	1074
10:25	ZZZZZZ	1826	16274	6673	968
10:30	ZZZZZZ	1982	17763	6896	1113
10:34	ZZZZZZ	1950	17344	6747	1093
10:39	ZZZZZZ	1840	15900	6866	865
10:43	ZZZZZZ	1971	17629	6889	1105
10:48	MP24607-MB1	2086	18405	6985	1229

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10534
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:52	MP24607-B1	1990	17337	6953	1060
10:57	MA10534-CCV3	1892	16713	6709	973
11:01	MA10534-CCB3	2044	18176	6918	1180
11:05	FA1675-1	3149	28028	11705	926
11:10	MP24607-D1	3248	29337	12138	915
11:15	MP24607-SD1	2186	19516	7843	1024
11:19	MP24607-PS1	3090	27858	11689	905
11:24	MP24607-S1	2847	25701	10845	889
11:29	MP24607-S2	3428	31314	13295	879
11:34	ZZZZZZ	3284 !	29549 !	11965 !	1015
11:38	ZZZZZZ	4465 !	40172 !	16445 !	979
11:42	ZZZZZZ	3342 !	30430 !	12306 !	1041
11:51	MA10534-CCV4	1879	16704	6666	975
11:56	MA10534-CCB4	1999	18040	6855	1164
12:45	MA10534-CCV5	1846	16534	6693	971
12:49	MA10534-CCB5	1970	17813	6801	1165
13:39	MA10534-CCV6	1876	16840	6834	970
13:43	MA10534-CCB6	10210	74025	18281	5403
14:39	FA1616-4F	1623	14266	6206	805
14:44	MA10534-CRIA2	1956	17406	6859	1105
14:48	MA10534-CCV7	1857	16629	6708	965
14:52	MA10534-CCB7	1964	17797	6850	1155
14:57	MA10534-ICSA2	1667	14702	6453	832
15:02	MA10534-ICSAB2	1671	14596	6384	825
15:06	MA10534-CCV8	1842	16667	6722	959
15:10	MA10534-CCB8	1965	17806	6857	1153

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10534 Units: ug/l

Time:			08:31		09:11		10:07		11:01	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	8.2	<200	12.9	<200	11.3	<200	7.5	<200
Antimony	6.0	1.3	0.20	<6.0	-0.40	<6.0	-0.40	<6.0	-0.10	<6.0
Arsenic	10	1.6	0.40	<10	1.2	<10	0.40	<10	0.0	<10
Barium	200	1								
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	3.2	<1000	11.2	<1000	11.3	<1000	4.5	<1000
Chromium	10	1.8	0.10	<10	0.30	<10	0.10	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	5.2	<300	17.5	<300	16.7	<300	15.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	9.0	<5000	18.5	<5000	6.7	<5000	9.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	1.6	<10000	0.30	<10000	0.50	<10000	2.2	<10000
Selenium	10	2	0.50	<10	0.40	<10	-0.50	<10	1.8	<10
Silver	10	.5	anr							
Sodium	10000	500	5.0	<10000	9.5	<10000	8.7	<10000	24.6	<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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10534 Units: ug/l

Time:			11:56		12:49		13:43		14:52	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.5	<200	5.6	<200	-5.4	<200	10.1	<200
Antimony	6.0	1.3	0.20	<6.0	0.10	<6.0	-1.4	<6.0	0.10	<6.0
Arsenic	10	1.6	1.1	<10	-1.0	<10	6.3	<10* (a)	0.50	<10
Barium	200	1								
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.40	<5.0	0.10	<5.0
Calcium	1000	50	1.9	<1000	6.2	<1000	3.5	<1000	12.4	<1000
Chromium	10	1.8	0.10	<10	0.30	<10	-0.10	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	8.5	<300	11.4	<300	-3.4	<300	19.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.0	<5000	20.6	<5000	14.5	<5000	19.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	29.7	<10000	-4.1	<10000	-25	<10000	106	<10000
Selenium	10	2	1.1	<10	-0.40	<10	2.4	<10	0.70	<10
Silver	10	.5	anr							
Sodium	10000	500	19.3	<10000	12.5	<10000	-13	<10000	66.3	<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
(a) No samples for As_ reported in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10534 Units: ug/l

Time:			15:10	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	15	16.9	<200
Antimony	6.0	1.3	-0.60	<6.0
Arsenic	10	1.6	0.20	<10
Barium	200	1		
Beryllium	4.0	.5		
Cadmium	5.0	.5	0.20	<5.0
Calcium	1000	50	14.9	<1000
Chromium	10	1.8	0.0	<10
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	22.4	<300
Lead	5.0	1.1	anr	
Magnesium	5000	74	22.6	<5000
Manganese	15	.7	anr	
Molybdenum	50	.6	anr	
Nickel	40	.5	anr	
Potassium	10000	200	55.1	<10000
Selenium	10	2	0.70	<10
Silver	10	.5	anr	
Sodium	10000	500	34.4	<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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10534 Units: ug/l

Time:		08:18			09:06			10:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40400	101.0	40000	40500	101.3
Antimony	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	1990	99.5	2000	2020	101.0	2000	2040	102.0
Barium									
Beryllium									
Cadmium	2000	2040	102.0	2000	2060	103.0	2000	2070	103.5
Calcium	40000	42700	106.8	40000	41700	104.3	40000	41900	104.8
Chromium	2000	2050	102.5	2000	2080	104.0	2000	2090	104.5
Cobalt									
Copper	anr								
Iron	40000	42300	105.8	40000	41400	103.5	40000	41300	103.3
Lead	anr								
Magnesium	40000	41200	103.0	40000	41300	103.3	40000	41400	103.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	42100	105.3	40000	40700	101.8	40000	41000	102.5
Selenium	2000	2070	103.5	2000	2030	101.5	2000	2050	102.5
Silver	anr								
Sodium	40000	38500	96.3	40000	40600	101.5	40000	41000	102.5
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10534 Units: ug/l

Time:		10:57			11:51			12:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	41300	103.3	40000	41500	103.8
Antimony	2000	2070	103.5	2000	2080	104.0	2000	2130	106.5
Arsenic	2000	2070	103.5	2000	2070	103.5	2000	2120	106.0
Barium									
Beryllium									
Cadmium	2000	2080	104.0	2000	2080	104.0	2000	2120	106.0
Calcium	40000	41300	103.3	40000	41200	103.0	40000	41400	103.5
Chromium	2000	2090	104.5	2000	2100	105.0	2000	2120	106.0
Cobalt									
Copper	anr								
Iron	40000	41200	103.0	40000	41300	103.3	40000	41500	103.8
Lead	anr								
Magnesium	40000	41000	102.5	40000	41100	102.8	40000	41100	102.8
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41500	103.8	40000	41700	104.3	40000	42100	105.3
Selenium	2000	2080	104.0	2000	2090	104.5	2000	2130	106.5
Silver	anr								
Sodium	40000	41500	103.8	40000	41800	104.5	40000	42200	105.5
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10534 Units: ug/l

Time:		13:39			14:48			15:06	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	41100	102.8	40000	41200	103.0
Antimony	2000	2090	104.5	2000	2110	105.5	2000	2130	106.5
Arsenic	2000	2070	103.5	2000	2090	104.5	2000	2120	106.0
Barium									
Beryllium									
Cadmium	2000	2090	104.5	2000	2110	105.5	2000	2120	106.0
Calcium	40000	41800	104.5	40000	41800	104.5	40000	41500	103.8
Chromium	2000	2080	104.0	2000	2100	105.0	2000	2100	105.0
Cobalt									
Copper	anr								
Iron	40000	40700	101.8	40000	41100	102.8	40000	40900	102.3
Lead	anr								
Magnesium	40000	41100	102.8	40000	41500	103.8	40000	41000	102.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	42300	105.8	40000	43100	107.8	40000	43000	107.5
Selenium	2000	2090	104.5	2000	2100	105.0	2000	2130	106.5
Silver	anr								
Sodium	40000	42400	106.0	40000	42800	107.0	40000	43000	107.5
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10534 Units: ug/l

Time:		08:12	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	81100	101.4
Antimony	4000	4050	101.3
Arsenic	4000	4060	101.5
Barium			
Beryllium			
Cadmium	4000	3990	99.8
Calcium	80000	79900	99.9
Chromium	4000	4000	100.0
Cobalt			
Copper	anr		
Iron	80000	79900	99.9
Lead	anr		
Magnesium	80000	80700	100.9
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	80900	101.1
Selenium	4000	4060	101.5
Silver	anr		
Sodium	80000	80800	101.0
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10534 Units: ug/l

Time:			08:36		14:44	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	210	105.0	224	112.0
Antimony	10	5.0	4.8	96.0	4.9	98.0
Arsenic	20	10	10.5	105.0	10.8	108.0
Barium	400	200				
Beryllium	10	5.0				
Cadmium	10	5.0	5.3	106.0	5.5	110.0
Calcium	2000	1000	1070	107.0	1130	113.0
Chromium	20	10	10.3	103.0	10.9	109.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	327	109.0	351	117.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5120	102.4	5220	104.4
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	10200	102.0	11000	110.0
Selenium	20	10	11.5	115.0	10.8	108.0
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	11000	110.0
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

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

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021413M1.ICP Date Analyzed: 02/14/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10534 Units: ug/l

Time:			08:45		08:53		14:57		15:02	
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	515000	103.0	517000	103.4	521000	104.2
Antimony		1000	1.1		1030	103.0	4.2		1090	109.0
Arsenic		1000	-0.40		1020	102.0	-3.5		1070	107.0
Barium		500	-0.30		487	97.4	-0.30		488	97.6
Beryllium		500	-0.10		478	95.6	-0.10		483	96.6
Cadmium		1000	0.0		873	87.3	3.7		907	90.7
Calcium	500000	500000	480000	96.0	485000	97.0	493000	98.6	490000	98.0
Chromium		500	0.30		460	92.0	0.20		467	93.4
Cobalt		500	-1.0		430	86.0	-1.2		444	88.8
Copper		500	-1.6		523	104.6	-1.5		555	111.0
Iron	200000	200000	184000	92.0	183000	91.5	183000	91.5	181000	90.5
Lead		1000	0.0		871	87.1	-2.1		890	89.0
Magnesium	500000	500000	513000	102.6	521000	104.2	520000	104.0	522000	104.4
Manganese		500	0.10		473	94.6	0.10		479	95.8
Molybdenum		1000	0.10		983	98.3	-0.10		1020	102.0
Nickel		1000	0.40		860	86.0	0.20		896	89.6
Potassium			5.1		8.9		150		102	
Selenium		1000	0.0		988	98.8	-1.9		1030	103.0
Silver		1000	0.20		1010	101.0	0.20		1090	109.0
Sodium			81.5		105		183		171	
Strontium		1000	4.2		1080	108.0	4.5		1120	112.0
Thallium		1000	0.0		933	93.3	0.0		954	95.4
Tin		1000	-0.30		920	92.0	-0.50		964	96.4
Titanium		1000	-3.5		1080	108.0	-3.6		1110	111.0
Vanadium		500	0.80		481	96.2	0.20		502	100.4
Zinc		1000	0.80		887	88.7	0.10		910	91.0

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:47	MA10537-STD1	1		STDA
07:51	MA10537-STD2	1		STDB
07:55	MA10537-STD3	1		STDC
08:00	MA10537-STD4	1		STDD
08:05	MA10537-HSTD1	1		
08:12	MA10537-ICV1	1		
08:18	MA10537-ICB1	1		
08:22	MA10537-CRIA1	1		
08:31	MA10537-ICSA1	1		
08:38	MA10537-ICSAB1	1		
08:47	MA10537-CCV1	1		
08:55	MA10537-CCB1	1		
09:03	ZZZZZZ	20		
09:08	ZZZZZZ	5		
09:12	ZZZZZZ	5		
09:17	FA1616-3F	5		
09:21	FA1616-4F	4		
---------->	Last reportable sample/prep for job FA1616			
09:25	MA10537-CCV2	1		
09:29	MA10537-CCB2	1		
10:08	MA10537-CCV3	1		
10:16	MA10537-CCB3	1		
10:22	MP24619-MB1	1		
10:26	MP24619-B1	1		
10:30	FA1702-1	1		(sample used for QC only; not part of login FA1616)
10:34	MP24619-D1	1		
10:39	MP24619-SD1	5		
10:43	MP24619-PS1	1		
10:47	MP24619-S1	1		
10:51	MP24619-S2	1		
10:56	ZZZZZZ	1		
11:00	ZZZZZZ	1		
11:04	MA10537-CCV4	1		
11:08	MA10537-CCB4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:31	MA10537-CCV5	1		
11:39	MA10537-CCB5	1		
11:43	MP24620-MB1	1		
11:48	MP24620-B1	1		
11:52	FA1735-1	1		(sample used for QC only; not part of login FA1616)
11:56	MP24620-D1	1		
12:00	MP24620-SD1	5		
12:04	MP24620-PS1	1		
12:08	MP24620-S1	1		
12:12	MP24620-S2	1		
12:16	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:24	MA10537-CCV6	1		
12:28	MA10537-CCB6	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:05	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	MA10537-CCV7	1		
13:17	MA10537-CCB7	1		
13:22	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:46	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:02	MA10537-CCV8	1		
14:07	MA10537-CCB8	1		
14:11	MP24623-MB1	1		
14:16	MP24623-B1	1		
14:20	FA1761-8	1		(sample used for QC only; not part of login FA1616)
14:24	MP24623-D2	1		
14:28	MP24623-SD1	5		
14:32	MP24623-PS1	1		
14:36	MP24623-S1	1		
14:40	MP24623-S2	1		
14:44	MA10537-CRIA2	1		
14:48	MA10537-ICSA2	1		
14:52	MA10537-CCV9	1		
14:56	MA10537-CCB9	1		
15:00	MA10537-ICSAB2	1		
15:05	MA10537-CCV10	1		
15:09	MA10537-CCB10	1		

----------> Last reportable CCB for job FA1616
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
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	MA10537-STD1	7169	44218	8267	3072
07:51	MA10537-STD2	7099	43182	8281	2828
07:55	MA10537-STD3	6801	41426	8235	2523
08:00	MA10537-STD4	6529	40250	8131	2313
08:05	MA10537-HSTD1	6544	40494	8184	2305
08:12	MA10537-ICV1	6787	41470	8178	2509
08:18	MA10537-ICB1	7162 R	43896 R	8235 R	3045 R
08:22	MA10537-CRIA1	7023	42777	8168	2862
08:31	MA10537-ICSA1	6121	36827	7778	2222
08:38	MA10537-ICSAB1	6180	37211	7820	2194
08:47	MA10537-CCV1	6790	41514	7985	2501
08:55	MA10537-CCB1	7154	44097	8132	3011
09:03	ZZZZZZ	7077	43034	8242	2793
09:08	ZZZZZZ	7607	43955	9415	2355
09:12	ZZZZZZ	8077	47766	10034	2222
09:17	FA1616-3F	7005	41538	8263	2415
09:21	FA1616-4F	6817	41023	7961	2540
09:25	MA10537-CCV2	6762	41566	7783	2505
09:29	MA10537-CCB2	7127	44255	7969	3022
10:08	MA10537-CCV3	6828	41148	7805	2472
10:16	MA10537-CCB3	7093	44021	7810	2997
10:22	MP24619-MB1	7049	42601	7947	2977
10:26	MP24619-B1	6815	41893	7850	2613
10:30	FA1702-1	6099	37440	7584	2084
10:34	MP24619-D1	6145	36738	7575	2116
10:39	MP24619-SD1	6638	40406	7701	2498
10:43	MP24619-PS1	6123	36599	7414	2073
10:47	MP24619-S1	6280	38346	7635	2061
10:51	MP24619-S2	6220	38215	7583	2056
10:56	ZZZZZZ	7105	43189	7978	2533
11:00	ZZZZZZ	7412	45184	8359	2527
11:04	MA10537-CCV4	6780	41676	7653	2487
11:08	MA10537-CCB4	7175	44258	7795	3032

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:31	MA10537-CCV5	6778	41576	7716	2500
11:39	MA10537-CCB5	7113	43772	7750	3004
11:43	MP24620-MB1	7196	44415	7863	3021
11:48	MP24620-B1	6851	42195	7766	2657
11:52	FA1735-1	7094	44244	7900	2938
11:56	MP24620-D1	7110	44102	7927	2928
12:00	MP24620-SD1	7140	44498	7880	3011
12:04	MP24620-PS1	7013	43215	7842	2804
12:08	MP24620-S1	6905	41760	7746	2617
12:12	MP24620-S2	6869	41922	7747	2624
12:16	ZZZZZZ	7096	44115	7911	2952
12:20	ZZZZZZ	7504	46368	8454	2849
12:24	MA10537-CCV6	6745	41374	7718	2490
12:28	MA10537-CCB6	7062	43910	7855	3009
12:32	ZZZZZZ	7050	42932	7736	2904
12:36	ZZZZZZ	6999	43769	7867	2875
12:40	ZZZZZZ	6694	41687	7827	2685
12:45	ZZZZZZ	7117	44588	7915	2979
12:49	ZZZZZZ	7070	43814	7930	2885
12:53	ZZZZZZ	7304	44198	8219	2783
12:57	ZZZZZZ	8736	54127	9953	2700
13:01	ZZZZZZ	6949	42950	7851	2833
13:05	ZZZZZZ	6832	42721	7825	2714
13:09	ZZZZZZ	7026	44041	7876	2915
13:13	MA10537-CCV7	6731	40978	7607	2488
13:17	MA10537-CCB7	7065	43365	7694	2991
13:22	ZZZZZZ	7055	43773	7940	2923
13:26	ZZZZZZ	6942	43428	7893	2851
13:30	ZZZZZZ	7131	44187	8047	2852
13:34	ZZZZZZ	7054	43249	7848	2887
13:38	ZZZZZZ	7078	43511	7853	2899
13:42	ZZZZZZ	7044	43859	7910	2889
13:46	ZZZZZZ	6971	43637	7862	2877

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10537
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:02	MA10537-CCV8	6706	41227	7664	2477
14:07	MA10537-CCB8	7005	43700	7745	2999
14:11	MP24623-MB1	7081	43149	7753	3062
14:16	MP24623-B1	6872	41497	7700	2650
14:20	FA1761-8	7826	48161	8722	2877
14:24	MP24623-D2	7805	48065	8777	2839
14:28	MP24623-SD1	7177	44489	7937	2957
14:32	MP24623-PS1	7711	46948	8661	2775
14:36	MP24623-S1	7486	46231	8616	2623
14:40	MP24623-S2	7475	46614	8714	2629
14:44	MA10537-CRIA2	6708	42216	7682	2849
14:48	MA10537-ICSA2	5958	36320	7293	2219
14:52	MA10537-CCV9	6530	40437	7400	2465
14:56	MA10537-CCB9	6877	43185	7603	3018
15:00	MA10537-ICSAB2	5901	36199	7274	2184
15:05	MA10537-CCV10	6440	40211	7446	2484
15:09	MA10537-CCB10	6874	42739	7524	3011

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10537 Units: ug/l

Time:			08:18		08:55		09:29		10:16	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.6	<200	11.2	<200	20.3	<200	9.5	<200
Antimony	6.0	1.3	0.0	<6.0	-1.2	<6.0	-0.60	<6.0	-1.1	<6.0
Arsenic	10	1.6	0.10	<10	0.30	<10	0.80	<10	0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.30	<5.0	0.10	<5.0
Calcium	1000	50	1.5	<1000	24.2	<1000	33.1	<1000	25.6	<1000
Chromium	10	1.8	-0.20	<10	0.0	<10	0.30	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	2.0	<300	6.5	<300	16.6	<300	6.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	2.9	<5000	10.6	<5000	32.4	<5000	23.3	<5000
Manganese	15	.7								
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	35.6	<10000	21.5	<10000	105	<10000	42.7	<10000
Selenium	10	2	-0.80	<10	0.10	<10	0.10	<10	-1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	4.2	<10000	16.7	<10000	50.1	<10000	15.9	<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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10537 Units: ug/l

Time:			11:08		11:39		12:28		13:17	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.9	<200	4.9	<200	-0.50	<200	15.7	<200
Antimony	6.0	1.3	-1.3	<6.0	1.6	<6.0	1.0	<6.0	2.1	<6.0
Arsenic	10	1.6	0.70	<10	0.20	<10	0.0	<10	0.0	<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	0.20	<5.0
Calcium	1000	50	16.7	<1000	11.8	<1000	12.5	<1000	14.1	<1000
Chromium	10	1.8	-0.30	<10	0.10	<10	0.20	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	4.3	<300	5.2	<300	10.5	<300	14.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	18.4	<5000	14.5	<5000	13.3	<5000	11.7	<5000
Manganese	15	.7								
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	18.2	<10000	12.0	<10000	-10	<10000	-11	<10000
Selenium	10	2	-0.20	<10	-0.90	<10	-0.50	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	12.4	<10000	8.7	<10000	5.3	<10000	6.6	<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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10537 Units: ug/l

Time:			14:07		14:56		15:09	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	8.9	<200	7.8	<200	20.4	<200
Antimony	6.0	1.3	1.0	<6.0	1.5	<6.0	1.4	<6.0
Arsenic	10	1.6	-0.20	<10	-0.30	<10	0.0	<10
Barium	200	1	anr					
Beryllium	4.0	.5						
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	11.7	<1000	9.8	<1000	16.2	<1000
Chromium	10	1.8	0.0	<10	0.40	<10	0.40	<10
Cobalt	50	.5						
Copper	25	1	anr					
Iron	300	29	7.7	<300	12.8	<300	16.5	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	6.6	<5000	14.1	<5000	10.4	<5000
Manganese	15	.7						
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	-5.6	<10000	13.8	<10000	24.5	<10000
Selenium	10	2	-0.70	<10	-1.4	<10	-1.4	<10
Silver	10	.5	anr					
Sodium	10000	500	5.9	<10000	5.6	<10000	5.7	<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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10537 Units: ug/l

Time:		08:12			08:47			09:25	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40600	101.5	40000	40600	101.5
Antimony	2000	1970	98.5	2000	2000	100.0	2000	2010	100.5
Arsenic	2000	1940	97.0	2000	2010	100.5	2000	2020	101.0
Barium	anr								
Beryllium									
Cadmium	2000	2010	100.5	2000	2060	103.0	2000	2050	102.5
Calcium	40000	42500	106.3	40000	40300	100.8	40000	39900	99.8
Chromium	2000	2010	100.5	2000	2050	102.5	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	41200	103.0	40000	39300	98.3	40000	38600	96.5
Lead	anr								
Magnesium	40000	41100	102.8	40000	39700	99.3	40000	39000	97.5
Manganese									
Molybdenum									
Nickel	anr								
Potassium	40000	41700	104.3	40000	40800	102.0	40000	41600	104.0
Selenium	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Silver	anr								
Sodium	40000	38500	96.3	40000	41300	103.3	40000	41400	103.5
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10537 Units: ug/l

Time:		10:08			11:04			11:31	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	41300	103.3	40000	40400	101.0
Antimony	2000	1990	99.5	2000	2030	101.5	2000	2030	101.5
Arsenic	2000	1990	99.5	2000	2030	101.5	2000	2040	102.0
Barium	anr								
Beryllium									
Cadmium	2000	2060	103.0	2000	2080	104.0	2000	2070	103.5
Calcium	40000	40700	101.8	40000	38900	97.3	40000	40800	102.0
Chromium	2000	2100	105.0	2000	2070	103.5	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	40000	39000	97.5	40000	36500	91.3	40000	40500	101.3
Lead	anr								
Magnesium	40000	39500	98.8	40000	36600	91.5	40000	40600	101.5
Manganese									
Molybdenum									
Nickel	anr								
Potassium	40000	41700	104.3	40000	43600	109.0	40000	40300	100.8
Selenium	2000	1980	99.0	2000	2030	101.5	2000	2040	102.0
Silver	anr								
Sodium	40000	42500	106.3	40000	43700	109.3	40000	40600	101.5
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10537 Units: ug/l

Time:		12:24			13:13			14:02	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	40200	100.5	40000	40800	102.0
Antimony	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0
Barium	anr								
Beryllium									
Cadmium	2000	2070	103.5	2000	2050	102.5	2000	2070	103.5
Calcium	40000	41100	102.8	40000	40800	102.0	40000	41500	103.8
Chromium	2000	2060	103.0	2000	2050	102.5	2000	2070	103.5
Cobalt									
Copper	anr								
Iron	40000	41100	102.8	40000	41400	103.5	40000	41300	103.3
Lead	anr								
Magnesium	40000	41100	102.8	40000	41200	103.0	40000	41500	103.8
Manganese									
Molybdenum									
Nickel	anr								
Potassium	40000	40400	101.0	40000	40200	100.5	40000	40400	101.0
Selenium	2000	2040	102.0	2000	2020	101.0	2000	2050	102.5
Silver	anr								
Sodium	40000	40700	101.8	40000	40300	100.8	40000	41000	102.5
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10537 Units: ug/l

Time:		14:52			15:05	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40300	100.8
Antimony	2000	2100	105.0	2000	2170	108.5
Arsenic	2000	2080	104.0	2000	2150	107.5
Barium	anr					
Beryllium						
Cadmium	2000	2070	103.5	2000	2100	105.0
Calcium	40000	40900	102.3	40000	40900	102.3
Chromium	2000	2050	102.5	2000	2060	103.0
Cobalt						
Copper	anr					
Iron	40000	43000	107.5	40000	43600	109.0
Lead	anr					
Magnesium	40000	42000	105.0	40000	42300	105.8
Manganese						
Molybdenum						
Nickel	anr					
Potassium	40000	41300	103.3	40000	42000	105.0
Selenium	2000	2100	105.0	2000	2160	108.0
Silver	anr					
Sodium	40000	40500	101.3	40000	40400	101.0
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10537 Units: ug/l

Time:		08:05	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79900	99.9
Antimony	4000	3950	98.8
Arsenic	4000	3960	99.0
Barium	anr		
Beryllium			
Cadmium	4000	3950	98.8
Calcium	80000	79400	99.3
Chromium	4000	3920	98.0
Cobalt			
Copper	anr		
Iron	80000	78400	98.0
Lead	anr		
Magnesium	80000	78800	98.5
Manganese			
Molybdenum			
Nickel	anr		
Potassium	80000	79700	99.6
Selenium	4000	3940	98.5
Silver	anr		
Sodium	80000	79500	99.4
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10537 Units: ug/l

Time:			08:22		14:44	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	207	103.5	209	104.5
Antimony	10	5.0	4.1	82.0	6.9	138.0*(a
Arsenic	20	10	10.4	104.0	10.3	103.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.3	106.0	5.4	108.0
Calcium	2000	1000	1050	105.0	1060	106.0
Chromium	20	10	10.6	106.0	10.3	103.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	309	103.0	373	124.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5140	102.8	5390	107.8
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10100	101.0	10400	104.0
Selenium	20	10	9.2	92.0	9.9	99.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10537 Units: ug/l

Time:			08:31		08:38		14:48		15:00	
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	507000	101.4	499000	99.8	492000	98.4
Antimony		1000	-1.5		1000	100.0	1.1		1080	108.0
Arsenic		1000	-1.8		1010	101.0	-0.50		1070	107.0
Barium		500	-0.50		483	96.6	-0.10		482	96.4
Beryllium		500	-0.10		454	90.8	-0.10		490	98.0
Cadmium		1000	-0.80		882	88.2	-2.1		892	89.2
Calcium	500000	500000	482000	96.4	466000	93.2	487000	97.4	472000	94.4
Chromium		500	-0.30		452	90.4	0.20		450	90.0
Cobalt		500	0.30		436	87.2	0.60		443	88.6
Copper		500	-1.1		483	96.6	1.6		512	102.4
Iron	200000	200000	182000	91.0	177000	88.5	199000	99.5	194000	97.0
Lead		1000	-0.60		875	87.5	-4.8		832	83.2
Magnesium	500000	500000	477000	95.4	468000	93.6	504000	100.8	497000	99.4
Manganese		500	-0.30		456	91.2	0.90		481	96.2
Molybdenum		1000	-0.20		938	93.8	0.0		1030	103.0
Nickel		1000	-0.10		857	85.7	0.90		925	92.5
Potassium			165		52.8		161		47.5	
Selenium		1000	0.0		983	98.3	1.0		1050	105.0
Silver		1000	-0.70		921	92.1	-1.2		959	95.9
Sodium			125		115		169		136	
Strontium		1000	4.2		1050	105.0	3.8		995	99.5
Thallium		1000	0.0		942	94.2	1.6		997	99.7
Tin		1000	-0.40		903	90.3	2.4		942	94.2
Titanium		1000	-2.7		1010	101.0	-2.6		1100	110.0
Vanadium		500	0.20		455	91.0	0.30		466	93.2
Zinc		1000	-0.70		885	88.5	14.8		892	89.2

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10538
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	07:44	MA10538-STD1	1		STDA
	07:48	MA10538-STD2	1		STDB
	07:53	MA10538-STD3	1		STDC
	07:57	MA10538-STD4	1		STDD
	08:03	MA10538-HSTD1	1		
	08:09	MA10538-ICV1	1		
	08:13	MA10538-ICB1	1		
	08:17	MA10538-CRIA1	1		
	08:27	MA10538-ICSA1	1		
	08:35	MA10538-ICSAB1	1		
	08:43	MA10538-CCV1	1		
	08:55	MA10538-CCB1	1		
	09:03	ZZZZZZ	4		
	09:08	ZZZZZZ	4		
	09:12	ZZZZZZ	2		
	09:17	ZZZZZZ	4		
	09:21	ZZZZZZ	2		
	09:25	ZZZZZZ	100		
	09:30	FA1682-1	5		(sample used for QC only; not part of login FA1616)
	09:34	MP24610-D1	5		
	09:39	MP24610-S1	5		
	09:43	MP24610-S2	5		
	09:47	MA10538-CCV2	1		
	09:51	MA10538-CCB2	1		
	09:56	MP24610-PS1	5		
	10:00	MP24610-SD1	25		
---------->	Last reportable sample/prep for job FA1616				
	10:05	FA1695-1	5		(sample used for QC only; not part of login FA1616)
	10:09	MP24615-D1	5		
	10:14	MP24615-S1	5		
	10:18	MP24615-S2	5		
	10:23	MP24615-PS1	5		
	10:27	MP24615-SD1	25		
	10:32	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10538
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:36	MP24616-MB1	1		
10:41	MA10538-CCV3	1		
10:45	MA10538-CCB3	1		
10:49	MA10538-CCV4	1		
10:53	MA10538-CCB4	1		
11:39	MA10538-CCV5	1		
11:43	MA10538-CCB5	1		
12:32	MP24621-MB1	1		
12:37	MP24621-B1	1		
12:41	FA1680-1	1		(sample used for QC only; not part of login FA1616)
12:46	MP24621-D1	1		
12:50	MP24621-SD1	5		
12:55	MP24621-S1	1		
12:59	MP24621-S2	1		
13:06	MA10538-CCV6	1		
13:12	MA10538-CCB6	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	MP24621-D2	1		
13:32	MP24621-MB2	1		
13:36	MP24621-B2	1		
13:41	MP24621-MB3	1		
13:45	MP24621-B3	1		
13:50	MP24622-MB1	1		
13:54	MP24622-B1	1		
13:59	FA1687-1	1		(sample used for QC only; not part of login FA1616)
14:03	MA10538-CCV7	1		
14:07	MA10538-CCB7	1		
14:12	MP24622-D1	1		
14:16	MP24622-SD1	5		
14:21	MP24622-PS1	1		
14:25	MP24622-S1	1		
14:30	MP24622-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10538
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:34	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:47	ZZZZZZ	1		
14:52	ZZZZZZ	1		
14:56	MA10538-CCV8	1		
15:01	MA10538-CCB8	1		
15:05	ZZZZZZ	1		
15:14	ZZZZZZ	1		
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	MA10538-CCV9	1		
15:55	MA10538-CCB9	1		
16:00	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:18	MA10538-CRIA2	1		
16:22	MA10538-ICSA2	1		
16:27	MA10538-ICSAB2	1		
16:32	MA10538-CCV10	1		
16:36	MA10538-CCB10	1		

----------> Last reportable CCB for job FA1616
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10538
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:44	MA10538-STD1	1668	14802	5575	976
07:48	MA10538-STD2	1624	14310	5529	905
07:53	MA10538-STD3	1556	13668	5420	812
07:57	MA10538-STD4	1501	13272	5349	746
08:03	MA10538-HSTD1	1514	13369	5415	750
08:09	MA10538-ICV1	1571	13718	5478	814
08:13	MA10538-ICB1	1677 R	14741 R	5606 R	971 R
08:17	MA10538-CRIA1	1649	14237	5519	929
08:27	MA10538-ICSA1	1424	11985	5000	719
08:35	MA10538-ICSAB1	1455	12433	5166	723
08:43	MA10538-CCV1	1568	13630	5376	811
08:55	MA10538-CCB1	1682	14641	5538	971
09:03	ZZZZZZ	1751	14734	6073	776
09:08	ZZZZZZ	1739	14602	5957	769
09:12	ZZZZZZ	1910	15995	6310	867
09:17	ZZZZZZ	1896	16487	6350	897
09:21	ZZZZZZ	1890	17031	6536	866
09:25	ZZZZZZ	1693	14815	5611	973
09:30	FA1682-1	1943	16970	6753	880
09:34	MP24610-D1	1946	17005	6736	881
09:39	MP24610-S1	1882	16406	6530	863
09:43	MP24610-S2	1948	16864	6753	860
09:47	MA10538-CCV2	1560	13494	5390	812
09:51	MA10538-CCB2	1655	14478	5550	959
09:56	MP24610-PS1	1936	16877	6727	862
10:00	MP24610-SD1	1711	14893	5819	922
10:05	FA1695-1	1962	16851	6593	945
10:09	MP24615-D1	1908	16348	6327	939
10:14	MP24615-S1	1926	16650	6497	911
10:18	MP24615-S2	1844	16084	6288	911
10:23	MP24615-PS1	1949	17029	6593	939
10:27	MP24615-SD1	1719	15086	5798	952
10:32	ZZZZZZ	1946	16999	6597	945

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10538
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:36	MP24616-MB1	1633	14242	5544	963
10:41	MA10538-CCV3	1556	13480	5420	808
10:45	MA10538-CCB3	1654	14445	5476	967
10:49	MA10538-CCV4	1539	13524	5374	807
10:53	MA10538-CCB4	1646	14533	5532	960
11:39	MA10538-CCV5	1537	13338	5334	800
11:43	MA10538-CCB5	1654	14423	5476	966
12:32	MP24621-MB1	1623	14313	5449	958
12:37	MP24621-B1	1552	13705	5415	850
12:41	FA1680-1	1482	13279	5443	808
12:46	MP24621-D1	1460	13229	5518	800
12:50	MP24621-SD1	1564	13950	5612	894
12:55	MP24621-S1	1468	13122	5417	778
12:59	MP24621-S2	1438	13057	5434	763
13:06	MA10538-CCV6	1497	13580	5466	794
13:12	MA10538-CCB6	1615	14611	5626	952
13:18	ZZZZZZ	1507	13530	5556	812
13:22	ZZZZZZ	1476	13511	5469	842
13:27	MP24621-D2	1469	13331	5557	803
13:32	MP24621-MB2	1498	13505	5567	831
13:36	MP24621-B2	1486	13400	5465	799
13:41	MP24621-MB3	1583	14712	5589	948
13:45	MP24621-B3	1521	13917	5512	840
13:50	MP24622-MB1	1614	14908	5723	956
13:54	MP24622-B1	1549	14062	5515	853
13:59	FA1687-1	1609	14671	5655	915
14:03	MA10538-CCV7	1547	14032	5464	819
14:07	MA10538-CCB7	1664	15116	5588	987
14:12	MP24622-D1	1631	14851	5588	927
14:16	MP24622-SD1	1578	14578	5523	940
14:21	MP24622-PS1	1530	14348	5631	868
14:25	MP24622-S1	1539	14240	5693	833
14:30	MP24622-S2	1561	14443	5789	839

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10538
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:34	ZZZZZZ	1599	14842	5724	931
14:38	ZZZZZZ	1505	14095	5684	846
14:43	ZZZZZZ	1509	14055	5703	847
14:47	ZZZZZZ	1609	14830	5955	886
14:52	ZZZZZZ	1612	14792	5796	911
14:56	MA10538-CCV8	1540	13998	5624	807
15:01	MA10538-CCB8	1625	14901	5742	954
15:05	ZZZZZZ	1576	14315	5759	864
15:14	ZZZZZZ	1586	14581	5726	900
15:19	ZZZZZZ	1593	14539	5704	901
15:23	ZZZZZZ	1364	12391	5492	666
15:28	ZZZZZZ	1443	13389	5729	781
15:33	ZZZZZZ	1420	13399	5518	802
15:37	ZZZZZZ	1484	14140	5671	860
15:42	ZZZZZZ	1501	14377	5819	875
15:46	ZZZZZZ	1476	14036	5669	846
15:51	MA10538-CCV9	1498	13990	5670	797
15:55	MA10538-CCB9	1583	14885	5699	950
16:00	ZZZZZZ	1491	14171	5683	866
16:04	ZZZZZZ	1500	14281	5751	865
16:09	ZZZZZZ	1567	14900	5909	919
16:13	ZZZZZZ	1559	14771	5783	920
16:18	MA10538-CRIA2	1571	14683	5716	914
16:22	MA10538-ICSA2	1353	12317	5230	697
16:27	MA10538-ICSAB2	1364	12478	5327	691
16:32	MA10538-CCV10	1502	14052	5571	801
16:36	MA10538-CCB10	1581	14845	5667	949

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10538 Units: ug/l

Time:			08:13		08:55		09:51		10:45	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-1.5	<200	4.9	<200	1.4	<200	2.0	<200
Antimony	6.0	1.3	-0.60	<6.0	-1.0	<6.0	-1.1	<6.0	-0.80	<6.0
Arsenic	10	1.6	0.50	<10	1.1	<10	0.50	<10	0.70	<10
Barium	200	1	0.10	<200	0.0	<200	0.10	<200	0.20	<200
Beryllium	4.0	.5	0.0	<4.0	0.0	<4.0	0.10	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.20	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	2.9	<1000	3.2	<1000	4.0	<1000	4.4	<1000
Chromium	10	1.8	0.20	<10	-0.20	<10	0.30	<10	-0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-1.3	<300	-5.0	<300	2.3	<300	0.50	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	3.5	<5000	2.3	<5000	1.6	<5000	6.9	<5000
Manganese	15	.7	0.0	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.10	<40	0.20	<40	0.0	<40	-0.10	<40
Potassium	10000	200	33.0	<10000	-0.30	<10000	-15	<10000	-9.4	<10000
Selenium	10	2	1.2	<10	0.10	<10	2.1	<10	1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	2.5	<10000	0.0	<10000	-2.1	<10000	5.9	<10000
Strontium	10	.5								
Thallium	10	1.3	0.40	<10	-1.1	<10	-0.20	<10	-1.4	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.0	<50	0.30	<50	0.0	<50	0.0	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10538 Units: ug/l

Time:			10:53		11:43		13:12		14:07	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.3	<200	4.9	<200	-2.4	<200	2.4	<200
Antimony	6.0	1.3	-1.4	<6.0	-1.3	<6.0	-1.9	<6.0	-0.40	<6.0
Arsenic	10	1.6	-0.70	<10	-0.50	<10	0.40	<10	-0.50	<10
Barium	200	1	0.10	<200	0.20	<200	0.0	<200	0.20	<200
Beryllium	4.0	.5	0.10	<4.0	0.0	<4.0	0.0	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	1.2	<1000	2.2	<1000	1.8	<1000	1.8	<1000
Chromium	10	1.8	0.10	<10	-0.20	<10	-0.10	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-0.30	<300	0.70	<300	-5.2	<300	3.1	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	5.9	<5000	2.1	<5000	-12	<5000	6.4	<5000
Manganese	15	.7	0.0	<15	0.0	<15	-0.10	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	0.10	<40	0.10	<40	0.10	<40
Potassium	10000	200	-14	<10000	-35	<10000	-23	<10000	-15	<10000
Selenium	10	2	0.0	<10	1.5	<10	0.20	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	2.2	<10000	1.4	<10000	6.8	<10000	11.3	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.70	<10	-0.20	<10	0.10	<10	-1.4	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.10	<50	0.30	<50	-0.10	<50	0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10538 Units: ug/l

Time:			15:01		15:55		16:36	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	6.0	<200	8.0	<200	12.4	<200
Antimony	6.0	1.3	-1.4	<6.0	-0.90	<6.0	-1.4	<6.0
Arsenic	10	1.6	0.10	<10	0.60	<10	0.30	<10
Barium	200	1	0.20	<200	0.20	<200	0.20	<200
Beryllium	4.0	.5	0.20	<4.0	0.30	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	3.7	<1000	7.4	<1000	9.2	<1000
Chromium	10	1.8	-0.20	<10	-0.10	<10	-0.10	<10
Cobalt	50	.5						
Copper	25	1	anr					
Iron	300	29	3.1	<300	0.10	<300	5.2	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	10.8	<5000	-1.1	<5000	5.2	<5000
Manganese	15	.7	0.20	<15	0.20	<15	0.20	<15
Molybdenum	50	.6						
Nickel	40	.5	0.10	<40	0.0	<40	0.0	<40
Potassium	10000	200	1.2	<10000	58.3	<10000	46.5	<10000
Selenium	10	2	1.4	<10	-0.20	<10	1.1	<10
Silver	10	.5	anr					
Sodium	10000	500	13.8	<10000	19.0	<10000	20.8	<10000
Strontium	10	.5						
Thallium	10	1.3	-1.1	<10	-0.20	<10	-1.2	<10
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5	0.10	<50	0.20	<50	0.40	<50
Zinc	20	3	anr					

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10538 Units: ug/l

Time:		08:09			08:43			09:47	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	40300	100.8	40000	40200	100.5
Antimony	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Arsenic	2000	1960	98.0	2000	2000	100.0	2000	2000	100.0
Barium	2000	2100	105.0	2000	2050	102.5	2000	2060	103.0
Beryllium	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Cadmium	2000	2020	101.0	2000	2040	102.0	2000	2040	102.0
Calcium	40000	42600	106.5	40000	41100	102.8	40000	41000	102.5
Chromium	2000	2040	102.0	2000	2060	103.0	2000	2070	103.5
Cobalt									
Copper	anr								
Iron	40000	42100	105.3	40000	41100	102.8	40000	40800	102.0
Lead	anr								
Magnesium	40000	41200	103.0	40000	40600	101.5	40000	40700	101.8
Manganese	2000	2040	102.0	2000	2070	103.5	2000	2090	104.5
Molybdenum									
Nickel	2000	2050	102.5	2000	2040	102.0	2000	2040	102.0
Potassium	40000	41500	103.8	40000	39900	99.8	40000	40300	100.8
Selenium	2000	2030	101.5	2000	2000	100.0	2000	2010	100.5
Silver	anr								
Sodium	40000	37800	94.5	40000	39800	99.5	40000	40400	101.0
Strontium									
Thallium	2000	2080	104.0	2000	2030	101.5	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	2030	101.5	2000	1980	99.0	2000	1990	99.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10538 Units: ug/l

Time:		10:41			10:49			11:39	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	40600	101.5	40000	40500	101.3
Antimony	2000	2000	100.0	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	2000	100.0	2000	2030	101.5	2000	2030	101.5
Barium	2000	2050	102.5	2000	2070	103.5	2000	2090	104.5
Beryllium	2000	2030	101.5	2000	2040	102.0	2000	2070	103.5
Cadmium	2000	2020	101.0	2000	2050	102.5	2000	2050	102.5
Calcium	40000	40400	101.0	40000	40500	101.3	40000	41400	103.5
Chromium	2000	2040	102.0	2000	2060	103.0	2000	2080	104.0
Cobalt									
Copper	anr								
Iron	40000	40200	100.5	40000	40800	102.0	40000	41100	102.8
Lead	anr								
Magnesium	40000	40200	100.5	40000	40400	101.0	40000	41000	102.5
Manganese	2000	2060	103.0	2000	2070	103.5	2000	2100	105.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2060	103.0	2000	2070	103.5
Potassium	40000	40600	101.5	40000	40700	101.8	40000	41100	102.8
Selenium	2000	2000	100.0	2000	2030	101.5	2000	2030	101.5
Silver	anr								
Sodium	40000	40600	101.5	40000	40800	102.0	40000	41000	102.5
Strontium									
Thallium	2000	2030	101.5	2000	2030	101.5	2000	2060	103.0
Tin									
Titanium									
Vanadium	2000	1980	99.0	2000	1980	99.0	2000	2020	101.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10538 Units: ug/l

Time:		13:06			14:03			14:56	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41200	103.0	40000	40600	101.5	40000	39900	99.8
Antimony	2000	2080	104.0	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	2080	104.0	2000	2030	101.5	2000	2010	100.5
Barium	2000	2100	105.0	2000	2050	102.5	2000	2000	100.0
Beryllium	2000	2030	101.5	2000	2020	101.0	2000	1980	99.0
Cadmium	2000	2060	103.0	2000	2040	102.0	2000	2030	101.5
Calcium	40000	39400	98.5	40000	39800	99.5	40000	39000	97.5
Chromium	2000	2020	101.0	2000	2010	100.5	2000	1980	99.0
Cobalt									
Copper	anr								
Iron	40000	40300	100.8	40000	40500	101.3	40000	39100	97.8
Lead	anr								
Magnesium	40000	39600	99.0	40000	39600	99.0	40000	38700	96.8
Manganese	2000	2030	101.5	2000	2010	100.5	2000	1970	98.5
Molybdenum									
Nickel	2000	2080	104.0	2000	2040	102.0	2000	2040	102.0
Potassium	40000	41800	104.5	40000	39800	99.5	40000	40900	102.3
Selenium	2000	2090	104.5	2000	2050	102.5	2000	2030	101.5
Silver	anr								
Sodium	40000	42100	105.3	40000	39900	99.8	40000	41100	102.8
Strontium									
Thallium	2000	2030	101.5	2000	2010	100.5	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	1970	98.5	2000	1920	96.0	2000	1940	97.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10538 Units: ug/l

Time:		15:51			16:32	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40700	101.8	40000	41300	103.3
Antimony	2000	2080	104.0	2000	2080	104.0
Arsenic	2000	2070	103.5	2000	2060	103.0
Barium	2000	2010	100.5	2000	2020	101.0
Beryllium	2000	1990	99.5	2000	2010	100.5
Cadmium	2000	2070	103.5	2000	2070	103.5
Calcium	40000	38900	97.3	40000	39200	98.0
Chromium	2000	1970	98.5	2000	1980	99.0
Cobalt						
Copper	anr					
Iron	40000	39100	97.8	40000	39600	99.0
Lead	anr					
Magnesium	40000	38600	96.5	40000	38700	96.8
Manganese	2000	1940	97.0	2000	1950	97.5
Molybdenum						
Nickel	2000	2080	104.0	2000	2080	104.0
Potassium	40000	42300	105.8	40000	42100	105.3
Selenium	2000	2090	104.5	2000	2090	104.5
Silver	anr					
Sodium	40000	42800	107.0	40000	42500	106.3
Strontium						
Thallium	2000	2050	102.5	2000	2050	102.5
Tin						
Titanium						
Vanadium	2000	1940	97.0	2000	1930	96.5
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10538 Units: ug/l

Time:		08:03	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79600	99.5
Antimony	4000	3980	99.5
Arsenic	4000	3990	99.8
Barium	4000	3970	99.3
Beryllium	4000	3940	98.5
Cadmium	4000	3930	98.3
Calcium	80000	79500	99.4
Chromium	4000	3960	99.0
Cobalt			
Copper	anr		
Iron	80000	78900	98.6
Lead	anr		
Magnesium	80000	80200	100.3
Manganese	4000	3950	98.8
Molybdenum			
Nickel	4000	3930	98.3
Potassium	80000	79500	99.4
Selenium	4000	3970	99.3
Silver	anr		
Sodium	80000	79300	99.1
Strontium			
Thallium	4000	3980	99.5
Tin			
Titanium			
Vanadium	4000	3990	99.8
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10538 Units: ug/l

Time:			08:17		16:18	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	201	100.5	206	103.0
Antimony	10	5.0	4.1	82.0	4.4	88.0
Arsenic	20	10	11.3	113.0	11.0	110.0
Barium	400	200	213	106.5	211	105.5
Beryllium	10	5.0	5.2	104.0	5.1	102.0
Cadmium	10	5.0	5.3	106.0	5.5	110.0
Calcium	2000	1000	1030	103.0	999	99.9
Chromium	20	10	10.4	104.0	10.2	102.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	320	106.7	305	101.7
Lead	10	5.0	anr			
Magnesium	10000	5000	4950	99.0	4820	96.4
Manganese	30	15	16.5	110.0	15.8	105.3
Molybdenum	100	50				
Nickel	80	40	43.1	107.8	44.6	111.5
Potassium	20000	10000	10000	100.0	10600	106.0
Selenium	20	10	11.8	118.0	9.9	99.0
Silver	20	10	anr			
Sodium	20000	10000	10000	100.0	10700	107.0
Strontium	20	10				
Thallium	20	10	9.9	99.0	10.4	104.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	52.9	105.8	52.0	104.0
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021513M1.ICP Date Analyzed: 02/15/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10538 Units: ug/l

Time:			08:27		08:35		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	521000	104.2	504000	100.8	529000	105.8	523000	104.6
Antimony		1000	0.10		1000	100.0	-2.0		1070	107.0
Arsenic		1000	-1.4		996	99.6	-1.6		1050	105.0
Barium		500	-0.20		478	95.6	-0.10		484	96.8
Beryllium		500	-0.10		466	93.2	-0.10		466	93.2
Cadmium		1000	0.0		851	85.1	4.1		886	88.6
Calcium	500000	500000	495000	99.0	480000	96.0	473000	94.6	464000	92.8
Chromium		500	-0.30		447	89.4	-0.70		434	86.8
Cobalt		500	-1.0		423	84.6	-1.4		441	88.2
Copper		500	0.0		503	100.6	0.10		519	103.8
Iron	200000	200000	188000	94.0	180000	90.0	180000	90.0	174000	87.0
Lead		1000	0.40		835	83.5	2.0		851	85.1
Magnesium	500000	500000	523000	104.6	508000	101.6	498000	99.6	490000	98.0
Manganese		500	0.0		459	91.8	0.0		439	87.8
Molybdenum		1000	0.20		965	96.5	0.0		1010	101.0
Nickel		1000	0.90		835	83.5	0.30		870	87.0
Potassium			-2.0		-24		87.3		113	
Selenium		1000	0.50		971	97.1	-7.6		1040	104.0
Silver		1000	0.20		961	96.1	0.40		993	99.3
Sodium			71.9		75.2		108		127	
Strontium		1000	4.2		1040	104.0	4.5		1080	108.0
Thallium		1000	1.9		891	89.1	-0.50		921	92.1
Tin		1000	0.70		892	89.2	1.1		927	92.7
Titanium		1000	-4.2		1040	104.0	-4.0		1030	103.0
Vanadium		500	-0.20		462	92.4	-0.20		462	92.4
Zinc		1000	-0.40		859	85.9	0.10		863	86.3

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:09	MA10541-STD1	1		STDA
08:13	MA10541-STD2	1		STDB
08:18	MA10541-STD3	1		STDC
08:22	MA10541-STD4	1		STDD
08:26	MA10541-HSTD1	1		
08:33	MA10541-ICV1	1		
08:40	MA10541-ICB1	1		
09:05	MA10541-CRIA1	1		
09:13	MA10541-ICSA1	1		
09:20	MA10541-ICSAB1	1		
09:30	MA10541-CCV1	1		
09:39	MA10541-CCB1	1		
10:02	MA10541-CCV2	1		
10:11	MA10541-CCB2	1		
10:15	MP24625-MB1	1		
10:20	MP24625-B1	1		
10:24	FA1719-9	1		(sample used for QC only; not part of login FA1616)
10:28	MP24625-D1	1		
10:33	MP24625-SD1	5		
10:37	MP24625-PS1	1		
10:42	MP24625-S1	1		
10:46	MP24625-S2	1		
10:59	MA10541-CCV3	1		
11:04	MA10541-CCB3	1		
11:08	ZZZZZZ	1		
11:22	ZZZZZZ	25		
11:26	ZZZZZZ	25		
11:31	FA1616-3F	20		
---------->	Last reportable sample/prep for job FA1616			
11:35	FA1702-1	5		(sample used for QC only; not part of login FA1616)
11:40	MP24619-D1	5		
11:44	MP24619-S1	5		
11:49	MP24619-S2	5		
11:53	MA10541-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:58	MA10541-CCB4	1		
12:02	MP24619-PS1	5		
12:07	MP24619-SD1	25		
12:11	MP24627-MB1	1		
12:16	MP24627-B1	1		
12:20	FA1812-1	1		(sample used for QC only; not part of login FA1616)
12:25	MP24627-D1	1		
12:29	MP24627-SD1	5		
12:34	MP24627-PS1	1		
12:38	MP24627-S1	1		
12:43	MP24627-S2	1		
12:47	MA10541-CCV5	1		
12:51	MA10541-CCB5	1		
12:57	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:42	MA10541-CCV6	1		
13:46	MA10541-CCB6	1		
14:18	MA10541-CCV7	1		
14:27	MA10541-CCB7	1		
14:31	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:41	MP24630-MB1	1		
14:45	MP24630-B1	1		
14:50	FA1784-1	1		(sample used for QC only; not part of login FA1616)
14:54	MP24630-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:59	MP24630-SD1	5		
15:03	MP24630-PS1	1		
15:08	MP24630-S1	1		
15:12	MP24630-S2	1		
15:16	MA10541-CCV8	1		
15:20	MA10541-CCB8	1		
15:25	ZZZZZZ	1		
15:29	ZZZZZZ	1		
15:34	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:10	MA10541-CCV9	1		
16:14	MA10541-CCB9	1		
16:19	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:52	MA10541-CRIA2	1		
16:56	MA10541-ICSA2	1		
17:01	MA10541-ICSAB2	1		
17:06	MA10541-CCV10	1		
17:10	MA10541-CCB10	1		
---------->	Last reportable CCB for job FA1616			
17:14	MA10541-CCV11	1		
17:19	MA10541-CCB11	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:09	MA10541-STD1	2147	17856	6767	1236
08:13	MA10541-STD2	2098	17268	6684	1131
08:18	MA10541-STD3	2026	16604	6585	1025
08:22	MA10541-STD4	1959	16213	6543	946
08:26	MA10541-HSTD1	1957	16118	6491	945
08:33	MA10541-ICV1	2040	16540	6634	1021
08:40	MA10541-ICB1	2133 R	17308 R	6706 R	1208 R
09:05	MA10541-CRIA1	2089	16537	6635	1128
09:13	MA10541-ICSA1	1843	14098	6293	848
09:20	MA10541-ICSAB1	1860	14199	6347	845
09:30	MA10541-CCV1	2018	15622	6549	984
09:39	MA10541-CCB1	2107	16374	6592	1161
10:02	MA10541-CCV2	1987	15333	6546	969
10:11	MA10541-CCB2	2077	16129	6665	1146
10:15	MP24625-MB1	2105	16410	6769	1160
10:20	MP24625-B1	2042	15659	6702	1028
10:24	FA1719-9	2211	16953	7089	1107
10:28	MP24625-D1	2214	16955	7085	1102
10:33	MP24625-SD1	2135	16375	6787	1137
10:37	MP24625-PS1	2169	16605	7064	1061
10:42	MP24625-S1	2120	16162	6960	1003
10:46	MP24625-S2	2156	16390	7083	1001
10:59	MA10541-CCV3	1999	15157	6572	963
11:04	MA10541-CCB3	2076	15797	6617	1132
11:08	ZZZZZZ	2913	21692	9582	1016
11:22	ZZZZZZ	2081	15367	6718	984
11:26	ZZZZZZ	2105	15634	6880	961
11:31	FA1616-3F	2044	15085	6684	983
11:35	FA1702-1	1879	14136	6331	898
11:40	MP24619-D1	1882	14201	6382	901
11:44	MP24619-S1	1914	14395	6381	898
11:49	MP24619-S2	1890	14151	6347	879
11:53	MA10541-CCV4	1968	14687	6448	938

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:58	MA10541-CCB4	2071	15447	6536	1112
12:02	MP24619-PS1	1874	14022	6295	892
12:07	MP24619-SD1	1967	14828	6519	1010
12:11	MP24627-MB1	2057	15861	6679	1124
12:16	MP24627-B1	1979	14859	6619	986
12:20	FA1812-1	2287	16996	7623	1003
12:25	MP24627-D1	2248	16834	7446	1009
12:29	MP24627-SD1	2095	15800	6635	1062
12:34	MP24627-PS1	2253	17177	7511	995
12:38	MP24627-S1	2126	16318	7148	973
12:43	MP24627-S2	2170	16598	7344	964
12:47	MA10541-CCV5	1946	14873	6501	939
12:51	MA10541-CCB5	2032	15676	6620	1108
12:57	ZZZZZZ	2229	16886	7425	1006
13:02	ZZZZZZ	2322	17609	7505	1039
13:06	ZZZZZZ	5004 !	38187 !	16816 !	893
13:11	ZZZZZZ	2502	19688	8582	974
13:15	ZZZZZZ	2061	15894	6752	1046
13:20	ZZZZZZ	1850	14536	7179	568
13:24	ZZZZZZ	2075	16042	6819	1060
13:29	ZZZZZZ	2059	15822	6636	1042
13:33	ZZZZZZ	2056	15902	6629	1061
13:38	ZZZZZZ	1870	14748	7352	543
13:42	MA10541-CCV6	1935	15017	6518	937
13:46	MA10541-CCB6	2016	15608	6582	1103
14:18	MA10541-CCV7	1891	14717	6351	932
14:27	MA10541-CCB7	1990	15718	6581	1102
14:31	ZZZZZZ	2457	19350	8751	909
14:36	ZZZZZZ	2526	19527	8582	928
14:41	MP24630-MB1	1994	15977	6512	1123
14:45	MP24630-B1	1917	15222	6528	978
14:50	FA1784-1	1886	15218	6631	991
14:54	MP24630-D1	1889	14996	6441	986

INTERNAL STANDARD SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:59	MP24630-SD1	1954	15465	6406	1075
15:03	MP24630-PS1	1859	14903	6380	973
15:08	MP24630-S1	1839	14869	6460	925
15:12	MP24630-S2	1840	14885	6541	924
15:16	MA10541-CCV8	1899	15006	6457	933
15:20	MA10541-CCB8	1973	15639	6354	1111
15:25	ZZZZZZ	1816	14756	6448	947
15:29	ZZZZZZ	1956	15741	6808	982
15:34	ZZZZZZ	1863	14997	6550	981
15:38	ZZZZZZ	2560	20166	8722	914
15:43	ZZZZZZ	2483	19919	8695	913
15:47	ZZZZZZ	1954	15904	6641	1076
15:52	ZZZZZZ	1985	15937	6697	1064
15:56	ZZZZZZ	1885	14871	6429	929
16:01	ZZZZZZ	1924	15490	6475	1046
16:06	ZZZZZZ	1940	15678	6614	1051
16:10	MA10541-CCV9	1888	14971	6473	927
16:14	MA10541-CCB9	1975	15725	6398	1111
16:19	ZZZZZZ	1849	15061	6431	1001
16:23	ZZZZZZ	1751	14148	6312	875
16:28	ZZZZZZ	1986	15956	6661	1100
16:47	ZZZZZZ	1952	15751	6661	1060
16:52	MA10541-CRIA2	1943	15360	6335	1059
16:56	MA10541-ICSA2	1715	13319	5950	802
17:01	MA10541-ICSAB2	1722	13535	6111	793
17:06	MA10541-CCV10	1886	15147	6421	931
17:10	MA10541-CCB10	1989	16019	6597	1108
17:14	MA10541-CCV11	1886	14903	6305	935
17:19	MA10541-CCB11	1976	15796	6329	1117

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10541 Units: ug/l

Time:			08:40		09:39		10:11		11:04	
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	-22	<10000	-38	<10000	-1.4	<10000	16.2	<10000
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	0.10	<10000	2.6	<10000	2.9	<10000	8.7	<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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10541 Units: ug/l

Time:			11:58		12:51		13:46		14:27	
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	anr							
Nickel	40	.5	anr							
Potassium	10000	200	20.7	<10000	3.4	<10000	19.9	<10000	15.4	<10000
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	18.4	<10000	17.5	<10000	20.1	<10000	10.8	<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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10541 Units: ug/l

Time:			15:20		16:14		17:10	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	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	6.2	<10000	4.2	<10000	36.3	<10000
Selenium	10	2	anr					
Silver	10	.5	anr					
Sodium	10000	500	8.1	<10000	11.0	<10000	14.1	<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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		08:33			09:30			10:02	
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	40000	41700	104.3	40000	41600	104.0	40000	41100	102.8
Selenium	anr								
Silver	anr								
Sodium	40000	38100	95.3	40000	41400	103.5	40000	41200	103.0
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		10:59			11:53			12:47	
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	anr								
Nickel	anr								
Potassium	40000	41400	103.5	40000	41700	104.3	40000	42000	105.0
Selenium	anr								
Silver	anr								
Sodium	40000	41400	103.5	40000	41600	104.0	40000	42100	105.3
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		13:42			14:18			15:16	
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	anr								
Nickel	anr								
Potassium	40000	41800	104.5	40000	40700	101.8	40000	40600	101.5
Selenium	anr								
Silver	anr								
Sodium	40000	41900	104.8	40000	40800	102.0	40000	40700	101.8
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		16:10			17:06	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	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	40000	40600	101.5	40000	40400	101.0
Selenium	anr					
Silver	anr					
Sodium	40000	40600	101.5	40000	40600	101.5
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10541 Units: ug/l

Time:		08:26	
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	80000	80500	100.6
Selenium	anr		
Silver	anr		
Sodium	80000	80400	100.5
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10541 Units: ug/l

Time:			09:05		16:52	
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	10400	104.0	10400	104.0
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10300	103.0
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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10541 Units: ug/l

Time:			09:13		09:20		16:56		17:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	499000	99.8	493000	98.6	534000	106.8	530000	106.0
Antimony		1000	-0.10		1000	100.0	-0.90		1040	104.0
Arsenic		1000	0.0		1000	100.0	-2.8		1040	104.0
Barium		500	0.0		497	99.4	-0.40		489	97.8
Beryllium		500	-0.10		475	95.0	-0.10		470	94.0
Cadmium		1000	-0.40		847	84.7	0.0		875	87.5
Calcium	500000	500000	494000	98.8	485000	97.0	482000	96.4	472000	94.4
Chromium		500	-0.10		454	90.8	-0.20		445	89.0
Cobalt		500	-0.60		438	87.6	-0.40		423	84.6
Copper		500	0.0		542	108.4	1.5		496	99.2
Iron	200000	200000	183000	91.5	178000	89.0	190000	95.0	185000	92.5
Lead		1000	-0.20		881	88.1	1.9		863	86.3
Magnesium	500000	500000	525000	105.0	522000	104.4	514000	102.8	505000	101.0
Manganese		500	0.60		479	95.8	0.70		455	91.0
Molybdenum		1000	0.30		1010	101.0	1.1		964	96.4
Nickel		1000	0.70		845	84.5	1.0		852	85.2
Potassium			-26		-40		94.8		71.4	
Selenium		1000	0.0		951	95.1	-0.10		1020	102.0
Silver		1000	0.0		1070	107.0	-0.40		932	93.2
Sodium			77.4		75.7		115		94.8	
Strontium		1000	4.2		1080	108.0	4.3		1070	107.0
Thallium		1000	1.3		946	94.6	3.1		932	93.2
Tin		1000	0.0		913	91.3	0.40		905	90.5
Titanium		1000	-1.9		1100	110.0	-1.1		1030	103.0
Vanadium		500	-0.80		495	99.0	-0.80		453	90.6
Zinc		1000	0.50		865	86.5	-0.10		868	86.8

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24606
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					02/13/13		02/13/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15	-7.0	<200	11.5	<200
Antimony	6.0	1.3	1.3	1.3	<6.0	1.0	<6.0
Arsenic	10	1.6	2.5	0.50	<10	-0.50	<10
Barium	200	1	1	-0.30	<200	-0.10	<200
Beryllium	4.0	.5	.5	-0.30	<4.0	-0.10	<4.0
Cadmium	5.0	.5	.5	0.50	<5.0	-0.10	<5.0
Calcium	1000	50	50	0.10	<1000	13.9	<1000
Chromium	10	1.8	2	-0.20	<10	-0.20	<10
Cobalt	50	.5	.5				
Copper	25	1	1				
Iron	300	29	29	-6.3	<300	-3.7	<300
Lead	5.0	1.1	1.1	-0.10	<5.0	1.9	<5.0
Magnesium	5000	74	74	-2.6	<5000	-7.0	<5000
Manganese	15	.7	.7	-0.10	<15	-0.10	<15
Molybdenum	50	.6	1				
Nickel	40	.5	.5	-0.10	<40	0.0	<40
Potassium	10000	200	200	-61	<10000	19.8	<10000
Selenium	10	2	2	0.10	<10	1.7	<10
Silver	10	.5	.5				
Sodium	10000	500	500	-34	<10000	1.2	<10000
Strontium	10	.5	.5				
Thallium	10	1.3	1.3	-0.80	<10	-0.10	<10
Tin	50	.7	1.8				
Titanium	10	.9	1				
Vanadium	50	.5	1	0.30	<50	0.30	<50
Zinc	20	3	5				

Associated samples MP24606: FA1616-1, FA1616-2

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24606
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/13/13					02/13/13	
Metal	FA1651-13 Original	DUP	RPD	QC Limits	FA1651-13 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	3210	2570	22.1 (a)	0-20	3210	30900	27000	102.6	80-120
Antimony	0.0	0.0	NC	0-20	0.0	469	500	93.8	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	1930	2000	96.5	80-120
Barium	80.2	74.3	7.6	0-20	80.2	2120	2000	102.0	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	53.7	50	107.4	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	47.7	50	95.4	80-120
Calcium	99700	95700	4.1	0-20	99700	119000	25000	77.2N(b)	80-120
Chromium	11.6	9.8	16.8	0-20	11.6	215	200	101.7	80-120
Cobalt									
Copper	anr								
Iron	5470	4800	13.0	0-20	5470	32400	26000	103.6	80-120
Lead	0.0	0.0	NC	0-20	0.0	500	500	100.0	80-120
Magnesium	2640	2450	7.5	0-20	2640	28300	25000	102.6	80-120
Manganese	251	242	3.7	0-20	251	756	500	101.0	80-120
Molybdenum									
Nickel	13.6	12.6	7.6	0-20	13.6	521	500	101.5	80-120
Potassium	3290	3100	5.9	0-20	3290	29500	25000	104.8	80-120
Selenium	0.0	0.0	NC	0-20	0.0	1980	2000	99.0	80-120
Silver	anr								
Sodium	5560	5330	4.2	0-20	5560	31200	25000	102.6	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	2060	2000	103.0	80-120
Tin									
Titanium									
Vanadium	6.1	5.3	14.0	0-20	6.1	513	500	101.4	80-120
Zinc									

Associated samples MP24606: FA1616-1, FA1616-2

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24606
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	FA1651-13 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	3210	32300	27000	107.7	4.4	20
Antimony	0.0	478	500	95.6	1.9	20
Arsenic	0.0	1980	2000	99.0	2.6	20
Barium	80.2	2190	2000	105.5	3.2	20
Beryllium	0.0	55.5	50	111.0	3.3	20
Cadmium	0.0	48.6	50	97.2	1.9	20
Calcium	99700	123000	25000	93.2	3.3	20
Chromium	11.6	222	200	105.2	3.2	20
Cobalt						
Copper	anr					
Iron	5470	34100	26000	110.1	5.1	20
Lead	0.0	516	500	103.2	3.1	20
Magnesium	2640	29400	25000	107.0	3.8	20
Manganese	251	779	500	105.6	3.0	20
Molybdenum						
Nickel	13.6	533	500	103.9	2.3	20
Potassium	3290	30600	25000	109.2	3.7	20
Selenium	0.0	2030	2000	101.5	2.5	20
Silver	anr					
Sodium	5560	32100	25000	106.2	2.8	20
Strontium						
Thallium	0.0	2120	2000	106.0	2.9	20
Tin						
Titanium						
Vanadium	6.1	527	500	104.2	2.7	20
Zinc						

Associated samples MP24606: FA1616-1, FA1616-2

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24606
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28800	27000	106.7	80-120
Antimony	521	500	104.2	80-120
Arsenic	1980	2000	99.0	80-120
Barium	2100	2000	105.0	80-120
Beryllium	55.0	50	110.0	80-120
Cadmium	49.6	50	99.2	80-120
Calcium	27200	25000	108.8	80-120
Chromium	213	200	106.5	80-120
Cobalt				
Copper	anr			
Iron	29000	26000	111.5	80-120
Lead	505	500	101.0	80-120
Magnesium	26800	25000	107.2	80-120
Manganese	537	500	107.4	80-120
Molybdenum				
Nickel	532	500	106.4	80-120
Potassium	26700	25000	106.8	80-120
Selenium	2030	2000	101.5	80-120
Silver	anr			
Sodium	26300	25000	105.2	80-120
Strontium				
Thallium	2110	2000	105.5	80-120
Tin				
Titanium				
Vanadium	521	500	104.2	80-120
Zinc				

Associated samples MP24606: FA1616-1, FA1616-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24606
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	FA1651-13 Original	SDL 1:5	%DIF	QC Limits
Aluminum	3210	3080	4.1	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	80.2	76.9	4.1	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	99700	98800	0.9	0-10
Chromium	11.6	10.9	6.0	0-10
Cobalt				
Copper	anr			
Iron	5470	5370	1.8	0-10
Lead	0.00	0.00	NC	0-10
Magnesium	2640	2630	0.5	0-10
Manganese	251	252	0.4	0-10
Molybdenum				
Nickel	13.6	13.0	4.4	0-10
Potassium	3290	2850	13.4 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	5560	5170	7.1	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	6.10	6.90	13.1 (a)	0-10
Zinc				

Associated samples MP24606: FA1616-1, FA1616-2

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24606
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	Sample ml	Final ml	FA1651-13 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	3213	3148.74	5612	0.2	125	2500	98.5	80-120
Antimony	9.8	10	0	0	103.5	0.2	5	100	103.5	80-120
Arsenic	9.8	10	0	0	98.3	0.2	5	100	98.3	80-120
Barium	9.8	10	80.2	78.596	327.4	0.2	12.5	250	99.5	80-120
Beryllium	9.8	10	0	0	55.3	0.2	2.5	50	110.6	80-120
Cadmium	9.8	10	0	0	50.2	0.2	2.5	50	100.4	80-120
Calcium	9.8	10	99720	97725.6	102900	0.2	250	5000	103.5	80-120
Chromium	9.8	10	11.6	11.368	63.8	0.2	2.5	50	104.9	80-120
Cobalt										
Copper										
Iron	9.8	10	5471	5361.58	8495	0.2	150	3000	104.4	80-120
Lead	9.8	10	0	0	49	0.2	2.5	50	98.0	80-120
Magnesium	9.8	10	2640	2587.2	7663	0.2	250	5000	101.5	80-120
Manganese	9.8	10	251	245.98	295.7	0.2	2.5	50	99.4	80-120
Molybdenum										
Nickel	9.8	10	13.6	13.328	116.1	0.2	5	100	102.8	80-120
Potassium	9.8	10	3291	3225.18	13500	0.2	500	10000	102.7	80-120
Selenium	9.8	10	0	0	98.5	0.2	5	100	98.5	80-120
Silver										
Sodium	9.8	10	5563	5451.74	15620	0.2	500	10000	101.7	80-120
Strontium										
Thallium	9.8	10	0	0	103.7	0.2	5	100	103.7	80-120
Tin										
Titanium										
Vanadium	9.8	10	6.1	5.978	57.8	0.2	2.5	50	103.6	80-120
Zinc										

Associated samples MP24606: FA1616-1, FA1616-2

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	2.8	<200
Antimony	6.0	1.3	1.3	0.80	<6.0
Arsenic	10	1.6	2.5	0.0	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	10.2	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	2.8	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	12.2	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-25	<10000
Selenium	10	2	2	-0.10	<10
Silver	10	.5	.5		
Sodium	10000	500	500	4.8	<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 MP24608: FA1616-3F, FA1616-4F

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/13/13					02/13/13	
Metal	FA1672-1 Original	DUP	RPD	QC Limits	FA1672-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	125	126	0.8	0-20	125	28700	27000	105.8	80-120
Antimony	1.8	1.4	25.0 (a)	0-20	1.8	529	500	105.4	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	49.8	50	99.6	80-120
Calcium	85900	85100	0.9	0-20	85900	107000	25000	84.4	80-120
Chromium	0.0	0.0	NC	0-20	0.0	213	200	106.5	80-120
Cobalt									
Copper	anr								
Iron	882	874	0.9	0-20	882	28600	26000	106.6	80-120
Lead	anr								
Magnesium	20900	20700	1.0	0-20	20900	46100	25000	100.8	80-120
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	3540	3490	1.4	0-20	3540	30300	25000	107.0	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2060	2000	103.0	80-120
Silver	anr								
Sodium	31400	31200	0.6	0-20	31400	56300	25000	99.6	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP24608: FA1616-3F, FA1616-4F

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	FA1672-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	125	29300	27000	108.1	2.1	20
Antimony	1.8	539	500	107.4	1.9	20
Arsenic	0.0	2080	2000	104.0	1.9	20
Barium						
Beryllium						
Cadmium	0.0	50.6	50	101.2	1.6	20
Calcium	85900	110000	25000	96.4	2.8	20
Chromium	0.0	217	200	108.5	1.9	20
Cobalt						
Copper	anr					
Iron	882	29100	26000	108.5	1.7	20
Lead	anr					
Magnesium	20900	47000	25000	104.4	1.9	20
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	3540	30800	25000	109.0	1.6	20
Selenium	0.0	2110	2000	105.5	2.4	20
Silver	anr					
Sodium	31400	58200	25000	107.2	3.3	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP24608: FA1616-3F, FA1616-4F

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28900	27000	107.0	80-120
Antimony	538	500	107.6	80-120
Arsenic	2050	2000	102.5	80-120
Barium				
Beryllium				
Cadmium	52.1	50	104.2	80-120
Calcium	27100	25000	108.4	80-120
Chromium	220	200	110.0	80-120
Cobalt				
Copper	anr			
Iron	28600	26000	110.0	80-120
Lead	anr			
Magnesium	26600	25000	106.4	80-120
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	27300	25000	109.2	80-120
Selenium	2090	2000	104.5	80-120
Silver	anr			
Sodium	27300	25000	109.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24608: FA1616-3F, FA1616-4F

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	FA1672-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	125	131	4.5	0-10
Antimony	1.80	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	85900	85700	0.2	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	882	868	1.6	0-10
Lead	anr			
Magnesium	20900	21000	0.6	0-10
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	3540	3370	4.7	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	31400	30300	3.5	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24608: FA1616-3F, FA1616-4F

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24608
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	Sample ml	Final ml	FA1672-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	124.9	122.402	2690	0.2	125	2500	102.7	80-120
Antimony	9.8	10	1.8	1.764	109.9	0.2	5	100	108.1	80-120
Arsenic	9.8	10	0	0	104.9	0.2	5	100	104.9	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	53.5	0.2	2.5	50	107.0	80-120
Calcium	9.8	10	85900	84182	90150	0.2	250	5000	119.4	80-120
Chromium	9.8	10	0	0	54.7	0.2	2.5	50	109.4	80-120
Cobalt										
Copper										
Iron	9.8	10	882	864.36	4029	0.2	150	3000	105.5	80-120
Lead										
Magnesium	9.8	10	20850	20433	25510	0.2	250	5000	101.5	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	3535	3464.3	14310	0.2	500	10000	108.5	80-120
Selenium	9.8	10	0	0	107	0.2	5	100	107.0	80-120
Silver										
Sodium	9.8	10	31420	30791.6	41950	0.2	500	10000	111.6	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24608: FA1616-3F, FA1616-4F

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24610
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/13/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	1.9	<10
Antimony	1.0	.065	.095	-0.0050	<1.0
Arsenic	0.50	.08	.08	-0.020	<0.50
Barium	10	.05	.25	0.020	<10
Beryllium	0.25	.025	.025	-0.010	<0.25
Cadmium	0.20	.025	.025	-0.0050	<0.20
Calcium	250	2.5	2.5	9.1	<250
Chromium	0.50	.09	.09	0.030	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	5.0	<15
Lead	1.0	.055	.055	0.030	<1.0
Magnesium	250	3.7	3.8	1.5	<250
Manganese	0.75	.035	.045	0.12	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	0.020	<2.0
Potassium	500	10	10	0.46	<500
Selenium	1.0	.1	.15	-0.0050	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	1.0	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.015	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	0.0050	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24610: FA1616-5

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24610
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			02/13/13					02/13/13	
Metal	FA1682-1 Original	DUP	RPD	QC Limits	FA1682-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	4690	4380 (a)	6.8	0-20	4690	5400 (a)	1210	58.6N(d)	80-120
Antimony	0.0	0.0 (a)	NC	0-20	0.0	11.8 (a)	22.5	52.5N(d)	80-120
Arsenic	2.3	2.4 (a)	4.3	0-20	2.3	75.4 (a)	89.8	81.4	80-120
Barium	23.5	17.8 (a)	27.6 (b)	0-20	23.5	100 (a)	89.8	85.2	80-120
Beryllium	1.1	0.96 (a)	13.6	0-20	1.1	3.0 (a)	2.25	84.6	80-120
Cadmium	0.0	0.0 (a)	NC	0-20	0.0	1.7 (a)	2.25	75.7N(d)	80-120
Calcium	14200	12200(a)	15.2	0-20	14200	13100(a)	1120	-98.0(e)	80-120
Chromium	11.3	8.1 (a)	33.0*(c)	0-20	11.3	16.7 (a)	8.98	60.1N(d)	80-120
Cobalt									
Copper	anr								
Iron	15100	14300(a)	5.4	0-20	15100	15000(a)	1170	-8.6 (e)	80-120
Lead	24.9	19.1	26.4*(c)	0-20	24.9	39.5	22.5	65.0N(d)	80-120
Magnesium	2950	3060 (a)	3.7	0-20	2950	3780 (a)	1120	73.9N(d)	80-120
Manganese	408	402 (a)	1.5	0-20	408	406 (a)	22.5	-8.9 (e)	80-120
Molybdenum									
Nickel	11.6	9.0 (a)	25.2 (b)	0-20	11.6	28.2 (a)	22.5	73.9N(d)	80-120
Potassium	252	210 (a)	18.2	0-20	252	1220 (a)	1120	86.2	80-120
Selenium	0.60	0.82 (a)	31.0 (b)	0-20	0.60	74.6 (a)	89.8	82.4	80-120
Silver	anr								
Sodium	123	0.00 (a)	200.0(b)	0-20	123	1060 (a)	1120	83.5	80-120
Strontium									
Thallium	0.0	0.0 (a)	NC	0-20	0.0	85.8 (a)	89.8	95.5	80-120
Tin									
Titanium									
Vanadium	25.6	18.9 (a)	30.1 (b)	0-20	25.6	38.8 (a)	22.5	58.8N(d)	80-120
Zinc									

Associated samples MP24610: FA1616-5

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
(a) Elevated reporting limit(s) due to matrix interference.
(b) RPD acceptable due to low duplicate and sample concentrations.
(c) High RPD due to possible sample nonhomogeneity.
(d) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(e) 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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24610 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 02/13/13

Metal	FA1682-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	4690	6270 (a)	1260	125.6N(b	14.9	20
Antimony	0.0	13.7 (a)	23.3	58.8N(b)	14.9	20
Arsenic	2.3	88.5 (a)	93.2	92.5	16.0	20
Barium	23.5	117 (a)	93.2	100.4	15.7	20
Beryllium	1.1	3.4 (a)	2.33	98.8	12.5	20
Cadmium	0.0	2.0 (a)	2.33	85.9	16.2	20
Calcium	14200	18300(a)	1160	352.1(c)	33.1 (d)	20
Chromium	11.3	18.3 (a)	9.32	75.1N(b)	9.1	20
Cobalt						
Copper	anr					
Iron	15100	16900(a)	1210	148.6(c)	11.9	20
Lead	24.9	43.3	23.3	79.0N(b)	9.2	20
Magnesium	2950	4680 (a)	1160	148.6N(b	21.3 (d)	20
Manganese	408	488 (a)	23.3	343.5(c)	18.3	20
Molybdenum						
Nickel	11.6	32.5 (a)	23.3	89.7	14.2	20
Potassium	252	1410 (a)	1160	99.5	14.4	20
Selenium	0.60	88.1 (a)	93.2	93.9	16.6	20
Silver	anr					
Sodium	123	1290 (a)	1160	100.2	19.6	20
Strontium						
Thallium	0.0	103 (a)	93.2	110.6	18.2	20
Tin						
Titanium						
Vanadium	25.6	47.6 (a)	23.3	94.5	20.4 (d)	20
Zinc						

Associated samples MP24610: FA1616-5

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
(a) Elevated reporting limit(s) due to matrix interference.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(d) High RPD due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24610
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/13/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1440	1350	106.7	80-120
Antimony	25.4	25	101.6	80-120
Arsenic	97.7	100	97.7	80-120
Barium	108	100	108.0	80-120
Beryllium	2.7	2.5	108.0	80-120
Cadmium	2.5	2.5	100.0	80-120
Calcium	1350	1250	108.0	80-120
Chromium	10.6	10	106.0	80-120
Cobalt				
Copper	anr			
Iron	1420	1300	109.2	80-120
Lead	24.2	25	96.8	80-120
Magnesium	1320	1250	105.6	80-120
Manganese	27.2	25	108.8	80-120
Molybdenum				
Nickel	26.1	25	104.4	80-120
Potassium	1340	1250	107.2	80-120
Selenium	99.3	100	99.3	80-120
Silver	anr			
Sodium	1340	1250	107.2	80-120
Strontium				
Thallium	102	100	102.0	80-120
Tin				
Titanium				
Vanadium	25.8	25	103.2	80-120
Zinc				

Associated samples MP24610: FA1616-5

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24610
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	FA1682-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	103000	128000	24.7*(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	51.3	45.7	10.9 (b)	0-10
Barium	514	660	28.3*(a)	0-10
Beryllium	23.8	28.4	19.3 (b)	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	311000	397000	27.6*(a)	0-10
Chromium	247	305	23.7 (b)	0-10
Cobalt				
Copper	anr			
Iron	330000	433000	31.0*(a)	0-10
Lead	544	457	16.1*(a)	0-10
Magnesium	64500	82100	27.3*(a)	0-10
Manganese	8910	11600	30.2*(a)	0-10
Molybdenum				
Nickel	254	325	27.9*(a)	0-10
Potassium	5520	6680	21.0 (b)	0-10
Selenium	13.2	61.6	366.7(b)	0-10
Silver	anr			
Sodium	2690	0.00	100.0(b)	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	559	709	26.9*(a)	0-10
Zinc				

Associated samples MP24610: FA1616-5

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: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24610
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/13/13

Metal	Sample ml	Final ml	FA1682-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	102600	100548	108600	0.2	125	2500	322.1*(a	80-120
Antimony	9.8	10	0	0	73.5	0.2	5	100	73.5*(a)	80-120
Arsenic	9.8	10	51.3	50.274	141.5	0.2	5	100	91.2	80-120
Barium	9.8	10	513.9	503.622	755.9	0.2	12.5	250	100.9	80-120
Beryllium	9.8	10	23.8	23.324	69.9	0.2	2.5	50	93.2	80-120
Cadmium	9.8	10	0	0	39.7	0.2	2.5	50	79.4*(a)	80-120
Calcium	9.8	10	310800	304584	330900	0.2	250	5000	526.3*(a	80-120
Chromium	9.8	10	246.6	241.668	298	0.2	2.5	50	112.7	80-120
Cobalt										
Copper										
Iron	9.8	10	330200	323596	346600	0.2	150	3000	766.8*(a	80-120
Lead	9.8	10	544.4	533.512	593.7	0.2	2.5	50	120.0	80-120
Magnesium	9.8	10	64500	63210	71790	0.2	250	5000	171.6*(a	80-120
Manganese	9.8	10	8914	8735.72	9282	0.2	2.5	50	1092.6*a	80-120
Molybdenum										
Nickel	9.8	10	253.8	248.724	352.6	0.2	5	100	103.9	80-120
Potassium	9.8	10	5518	5407.64	14350	0.2	500	10000	89.4	80-120
Selenium	9.8	10	13.2	12.936	85.4	0.2	5	100	72.5*(a)	80-120
Silver										
Sodium	9.8	10	2692	2638.16	10860	0.2	500	10000	82.2	80-120
Strontium										
Thallium	9.8	10	0	0	84.5	0.2	5	100	84.5	80-120
Tin										
Titanium										
Vanadium	9.8	10	558.8	547.624	625.6	0.2	2.5	50	156.0*(a	80-120
Zinc										

Associated samples MP24610: FA1616-5

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
(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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1616
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	GN54160	5.0	0.0	mg/l	250	254	102.0	90-113%
Bromide	GP20984/GN54173	5.0	0.0	mg/kg	125	130	104.1	90-110%
Chloride	GP20957/GN54083	2.0	0.0	mg/l	50	51.3	102.6	90-110%
Chloride	GP20984/GN54173	20	0.0	mg/kg	500	512	102.5	90-110%
Fluoride	GP20957/GN54083	0.20	0.0	mg/l	2.5	2.45	98.0	90-110%
Fluoride	GP20984/GN54173	1.0	0.0	mg/kg	25	25.1	100.5	90-110%
Nitrogen, Ammonia	GP20977/GN54162	0.10	0.0	mg/l	2.5	2.53	101.2	90-110%
Nitrogen, Ammonia	GP21023/GN54262	1.2	0.0	mg/kg	29.4	30.7	104.4	80-120%
Nitrogen, Nitrate	GP20957/GN54083	0.10	0.0	mg/l	2.5	2.54	101.6	90-110%
Nitrogen, Nitrate	GP20984/GN54173	1.0	0.0	mg/kg	25	25.0	100.1	90-110%
Nitrogen, Nitrite	GP20984/GN54173	1.0	0.0	mg/kg	25	25.5	102.1	90-110%
Nitrogen, Total Kjeldahl	GP20969/GN54150	0.53	0.0	mg/l	2.63	2.69	102.5	90-110%
Nitrogen, Total Kjeldahl	GP20970/GN54165	11	0.0	mg/kg	105	108	102.9	80-120%
Phosphate, Ortho	GP20946/GN54070	0.10	0.0	mg/l	0.300	0.31	104.4	83-116%
Phosphorus, Total	GP20996/GN54231	0.10	0.0	mg/l	.300	0.27	90.8	81-118%
Phosphorus, Total	GP20998/GN54210	6.7	0.0	mg/kg	20.0	18.3	91.5	81-126%
Solids, Total Dissolved	GN54100	100	0.0	mg/l				
Specific Conductivity	GN54072	1.0	0.0	umhos/cm				
Sulfate	GP20957/GN54083	2.0	0.0	mg/l	50	52.1	104.2	90-110%
Sulfate	GP20984/GN54173	20	0.0	mg/kg	500	513	102.7	90-110%

Associated Samples:
Batch GN54072: FA1616-2, FA1616-3, FA1616-4
Batch GN54100: FA1616-2, FA1616-3, FA1616-4
Batch GN54160: FA1616-2, FA1616-3, FA1616-4
Batch GP20946: FA1616-2F, FA1616-3F, FA1616-4F
Batch GP20957: FA1616-1, FA1616-2, FA1616-3, FA1616-4
Batch GP20969: FA1616-1
Batch GP20970: FA1616-5
Batch GP20977: FA1616-1
Batch GP20984: FA1616-5
Batch GP20996: FA1616-1, FA1616-2, FA1616-3, FA1616-4
Batch GP20998: FA1616-5
Batch GP21023: FA1616-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1616
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	GN54160	FA1526-1	mg/l	75.7	75.5	0.3	0-20%
Phosphate, Ortho	GP20946/GN54070	FA1614-1F	mg/l	1630	1610	1.2	0-26%
Phosphorus, Total	GP20996/GN54231	FA1718-1	mg/l	49.0	48.0	2.1	0-22%
Phosphorus, Total	GP20998/GN54210	FA1566-3	mg/kg	27700	27600	0.4	0-23%
Solids, Percent	GN54123	FA1566-3	%	85.4	85.7	0.4	0-5%
Solids, Total Dissolved	GN54100	FA1507-7	mg/l	322	318	1.3	0-5%
Specific Conductivity	GN54072	FA1614-1	umhos/cm	19000	19100	0.3	0-10%
pH	GN54071	FA1614-1	su	2.31	2.32	0.4	0-10%
pH	GN54306	FA1565-1	su	6.84	7.17	4.7	0-10%

Associated Samples:
Batch GN54071: FA1616-1, FA1616-2, FA1616-3, FA1616-4
Batch GN54072: FA1616-2, FA1616-3, FA1616-4
Batch GN54100: FA1616-2, FA1616-3, FA1616-4
Batch GN54123: FA1616-5
Batch GN54160: FA1616-2, FA1616-3, FA1616-4
Batch GN54306: FA1616-5
Batch GP20946: FA1616-2F, FA1616-3F, FA1616-4F
Batch GP20996: FA1616-1, FA1616-2, FA1616-3, FA1616-4
Batch GP20998: FA1616-5
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1616
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	GN54160	FA1526-1	mg/l	75.7	250	318	96.8	90-113%
Bromide	GP20984/GN54173	FA1616-5	mg/kg	6.2 U	154	158	102.5	90-110%
Chloride	GP20957/GN54083	FA1616-1	mg/l	0.80 U	50	50.2	100.4	90-110%
Chloride	GP20984/GN54173	FA1616-5	mg/kg	44 U	616	584	94.7	90-110%
Fluoride	GP20957/GN54083	FA1616-1	mg/l	0.20	2.5	2.1	76.0N(a)	90-110%
Fluoride	GP20984/GN54173	FA1616-5	mg/kg	99.2	30.8	109	31.8N(a)	90-110%
Nitrogen, Ammonia	GP20977/GN54162	FA1616-1	mg/l	0.055	2.5	2.4	93.8	90-110%
Nitrogen, Ammonia	GP21023/GN54262	FA1772-1	mg/kg	39.6	35.6	69.0	82.6(a)	80-120%
Nitrogen, Nitrate	GP20957/GN54083	FA1616-1	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Nitrate	GP20984/GN54173	FA1616-5	mg/kg	3.1 U	30.8	26.6	86.3N(a)	90-110%
Nitrogen, Nitrite	GP20984/GN54173	FA1616-5	mg/kg	3.1 U	30.8	29.4	95.4	90-110%
Nitrogen, Total Kjeldahl	GP20969/GN54150	FA1479-1	mg/l	1.7	2.63	3.7	76.2N(a)	90-110%
Nitrogen, Total Kjeldahl	GP20970/GN54165	FA1564-1	mg/kg	376	116	439	54.1N(a)	80-120%
Phosphate, Ortho	GP20946/GN54070	FA1614-1F	mg/l	1630	0.300	2980	90.2	83-116%
Phosphorus, Total	GP20996/GN54231	FA1718-1	mg/l	49.0	.300	49.5	167.0*(b)	81-118%
Phosphorus, Total	GP20998/GN54210	FA1566-3	mg/kg	27700	23.4	27700	28.2(c)	81-126%
Sulfate	GP20957/GN54083	FA1616-1	mg/l	0.60 U	50	48.0	96.0	90-110%
Sulfate	GP20984/GN54217	FA1616-5	mg/kg	13900	616	13400	-81.1(c)	90-110%

Associated Samples:
Batch GN54160: FA1616-2, FA1616-3, FA1616-4
Batch GP20946: FA1616-2F, FA1616-3F, FA1616-4F
Batch GP20957: FA1616-1, FA1616-2, FA1616-3, FA1616-4
Batch GP20969: FA1616-1
Batch GP20970: FA1616-5
Batch GP20977: FA1616-1
Batch GP20984: FA1616-5
Batch GP20996: FA1616-1, FA1616-2, FA1616-3, FA1616-4
Batch GP20998: FA1616-5
Batch GP21023: FA1616-5
(*) 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: FA1616
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	GP20984/GN54173	FA1616-5	mg/kg	6.2 U	154	120	27.3N(a)	
Chloride	GP20957/GN54083	FA1616-1	mg/l	0.80 U	50	50.6	0.8	
Chloride	GP20984/GN54173	FA1616-5	mg/kg	44 U	616	585	0.2	
Fluoride	GP20957/GN54083	FA1616-1	mg/l	0.20	2.5	2.1	0.0N(a)	
Fluoride	GP20984/GN54173	FA1616-5	mg/kg	99.2	30.8	112	2.7N(a)	
Nitrogen, Ammonia	GP20977/GN54162	FA1616-1	mg/l	0.055	2.5	2.4	0.0	20%
Nitrogen, Ammonia	GP21023/GN54262	FA1772-1	mg/kg	39.6	34.9	73.0	5.6	30%
Nitrogen, Nitrate	GP20957/GN54083	FA1616-1	mg/l	0.050 U	2.5	2.4	0.0	
Nitrogen, Nitrate	GP20984/GN54173	FA1616-5	mg/kg	3.1 U	30.8	28.2	5.8	
Nitrogen, Nitrite	GP20984/GN54173	FA1616-5	mg/kg	3.1 U	30.8	28.0	4.9	
Nitrogen, Total Kjeldahl	GP20969/GN54150	FA1479-1	mg/l	1.7	2.63	3.6	2.7N(a)	20%
Nitrogen, Total Kjeldahl	GP20970/GN54165	FA1564-1	mg/kg	376	116	578	27.3N(a)	30%
Phosphorus, Total	GP20996/GN54231	FA1718-1	mg/l	49.0	.300	49.5	0.0(b)	22%
Phosphorus, Total	GP20998/GN54210	FA1566-3	mg/kg	27700	23.4	27800	0.4(b)	23%
Sulfate	GP20957/GN54083	FA1616-1	mg/l	0.60 U	50	48.1	0.2	
Sulfate	GP20984/GN54217	FA1616-5	mg/kg	13900	616	13600	1.5(c)	

Associated Samples:
Batch GP20957: FA1616-1, FA1616-2, FA1616-3, FA1616-4
Batch GP20969: FA1616-1
Batch GP20970: FA1616-5
Batch GP20977: FA1616-1
Batch GP20984: FA1616-5
Batch GP20996: FA1616-1, FA1616-2, FA1616-3, FA1616-4
Batch GP20998: FA1616-5
Batch GP21023: FA1616-5
(*) 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.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090201.TXT Date Analyzed: 02/09/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54083
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:49	GN54083-CCV1	1		
13:05	GN54083-CCB1	1		
13:21	GP20957-MB1	1		
13:37	GP20957-B1	1		
14:24	ZZZZZZ	200		
14:40	FA1616-1	1		
14:56	FA1616-2	1		
15:12	FA1616-3	50		
15:28	FA1616-4	25		
15:44	GN54083-CCV2	1		
16:00	GN54083-CCB2	1		
16:16	GP20957-S1	1		
16:32	GP20957-S2	1		
16:47	GN54083-CCV3	1		
17:03	GN54083-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090201.TXT Date Analyzed: 02/09/13 Methods: EPA 300/SW846 9056A
Run ID: GN54083 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54083-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54083-CCV1	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54083-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54083-CCV1	Sulfate	51.9	2.0	0.60	50	103.8	90-110
GN54083-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54083-CCB1	Chloride	0.80 U	2.0	0.80			
GN54083-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54083-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54083-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN54083-CCV2	Chloride	51.5	2.0	0.80	50	103.0	90-110
GN54083-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54083-CCV2	Sulfate	50.2	2.0	0.60	50	100.4	90-110
GN54083-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54083-CCB2	Chloride	0.80 U	2.0	0.80			
GN54083-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54083-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54083-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54083-CCV3	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN54083-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54083-CCV3	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN54083-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54083-CCB3	Chloride	0.80 U	2.0	0.80			
GN54083-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54083-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54101
Parameters: Fluoride,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:25	GN54101-CCV1	1		
09:41	GN54101-CCB1	1		
09:56	GP20959-MB1	1		
10:12	GP20959-B1	1		
11:00	FA1564-6	1		(sample used for QC only; not part of login FA1616)
11:16	ZZZZZZ	500		
11:32	FA1616-3	500		
11:48	FA1616-4	100		
12:04	GP20959-S1	1		
12:20	GP20959-S2	1		
12:35	GN54101-CCV2	1		
12:51	GN54101-CCB2	1		
13:11	GP20960-MB1	1		
13:27	GP20960-B1	1		
13:43	ZZZZZZ	5		
13:59	ZZZZZZ	25		
14:15	ZZZZZZ	5		
14:46	ZZZZZZ	10		
15:02	ZZZZZZ	10		
15:18	ZZZZZZ	10		
15:50	GN54101-CCV3	1		
16:06	GN54101-CCB3	1		
16:38	ZZZZZZ	2		
17:25	ZZZZZZ	10		
17:41	ZZZZZZ	5		
17:57	ZZZZZZ	25		
18:13	ZZZZZZ	25		
18:29	FA1416-2	5		(sample used for QC only; not part of login FA1616)
19:01	GN54101-CCV4	1		
19:17	GN54101-CCB4	1		
19:33	ZZZZZZ	5		
19:49	ZZZZZZ	5		
20:04	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54101
Parameters: Fluoride,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:20	ZZZZZZ	5		
20:36	ZZZZZZ	5		
20:52	ZZZZZZ	5		
21:08	ZZZZZZ	5		
21:24	GP20960-S1	5		
21:40	GP20960-S2	5		
22:12	GN54101-CCV5	1		
22:27	GN54101-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110201.TXT Date Analyzed: 02/11/13 Methods: EPA 300/SW846 9056A
Run ID: GN54101 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54101-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54101-CCV1	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN54101-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV2	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54101-CCV2	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54101-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54101-CCV3	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54101-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV4	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54101-CCV4	Sulfate	51.1	2.0	0.60	50	102.2	90-110
GN54101-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54101-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54101-CCV5	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54101-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54101-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021413TKN2.CSV Date Analyzed: 02/14/13 Methods: EPA 351.2
Analyst: MG Run ID: GN54150
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:21	GN54150-ICV1	1		
12:23	GN54150-CCV1	1		
12:24	GN54150-CCB1	1		
12:25	GP20969-MB1	1		
12:26	GP20969-B1	1		
12:27	FA1479-1	1		(sample used for QC only; not part of login FA1616)
12:28	GP20969-S1	1		
12:29	GP20969-S2	5		
12:31	ZZZZZZ	1		
12:32	FA1616-1	1		
12:36	GN54150-CCV2	1		
12:37	GN54150-CCB2	1		
12:39	ZZZZZZ	25		
12:40	GN54150-CCV3	1		
12:41	GN54150-CCB3	1		
12:43	ZZZZZZ	5		
12:45	GN54150-CCV4	1		
12:46	GN54150-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021413TKN2.CSV Date Analyzed: 02/14/13 Methods: EPA 351.2
Run ID: GN54150 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54150-ICV1	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54150-CCV1	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54150-CCB1	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54150-CCV2	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54150-CCB2	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54150-CCV3	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54150-CCB3	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54150-CCV4	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54150-CCB4	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: B021413AMN1.CSV Date Analyzed: 02/14/13 Methods: EPA 350.1
Analyst: VK Run ID: GN54162
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:50	GN54162-ICV1	1		
13:51	GN54162-CCV1	1		
13:52	GN54162-CCB1	1		
13:53	GP20977-MB1	1		
13:54	GP20977-B1	1		
13:56	GP20977-S1	1		
13:57	GP20977-S2	1		
13:58	FA1616-1	1		
14:00	ZZZZZZ	1		
14:01	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:05	GN54162-CCV2	1		
14:06	GN54162-CCB2	1		
14:07	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:09	ZZZZZZ	10		
14:10	GN54162-CCV3	1		
14:11	GN54162-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: B021413AMN1.CSV Date Analyzed: 02/14/13 Methods: EPA 350.1
Run ID: GN54162 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54162-ICV1	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54162-CCV1	Nitrogen, Ammonia	2.6	0.10	0.030	2.5	104.0	90-110
GN54162-CCB1	Nitrogen, Ammonia	0.039	0.10	0.030			
GN54162-CCV2	Nitrogen, Ammonia	2.6	0.10	0.030	2.5	104.0	90-110
GN54162-CCB2	Nitrogen, Ammonia	0.030	0.10	0.030			
GN54162-CCV3	Nitrogen, Ammonia	2.6	0.10	0.030	2.5	104.0	90-110
GN54162-CCB3	Nitrogen, Ammonia	0.043	0.10	0.030			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021413TKN1.CSV Date Analyzed: 02/14/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54165
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:35	GN54165-ICV1	1		
11:36	GN54165-CCV1	1		
11:37	GN54165-CCB1	1		
11:39	GP20970-MB1	1		
11:40	GP20970-B1	1		
11:41	FA1564-1	1		(sample used for QC only; not part of login FA1616)
11:45	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:50	GN54165-CCV2	1		
11:51	GN54165-CCB2	1		
11:55	ZZZZZZ	1		
11:56	ZZZZZZ	1		
11:58	GP20970-S1	2		
11:59	GP20970-S2	2		
12:00	ZZZZZZ	2		
12:01	ZZZZZZ	2		
12:02	ZZZZZZ	2		
12:03	GN54165-CCV3	1		
12:05	GN54165-CCB3	1		
12:06	ZZZZZZ	5		
12:07	ZZZZZZ	5		
12:08	FA1616-5	2		
12:09	GN54165-CCV4	1		
12:10	GN54165-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A021413TKN1.CSV Date Analyzed: 02/14/13 Methods: EPA 351.2 M
Run ID: GN54165 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54165-ICV1	Nitrogen, Total Kjeldahl	2.7	0.25	0.10	2.5	108.0	90-110
GN54165-CCV1	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54165-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54165-CCV2	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54165-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54165-CCV3	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54165-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54165-CCV4	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54165-CCB4	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54173
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:51	GN54173-CCV1	1		
11:06	GN54173-CCB1	1		
11:22	GP20986-MB1	1		
11:38	GP20986-B1	1		
12:26	ZZZZZZ	25		
12:42	ZZZZZZ	10		
12:57	ZZZZZZ	10		
13:13	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:45	ZZZZZZ	10		
14:01	GN54173-CCV2	1		
14:17	GN54173-CCB2	1		
14:33	ZZZZZZ	10		
15:23	ZZZZZZ	1		
15:39	FA1735-1	1		(sample used for QC only; not part of login FA1616)
15:55	FA1735-3	1		(sample used for QC only; not part of login FA1616)
16:11	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:46	GN54173-CCV3	1		
18:02	GN54173-CCB3	1		
18:17	ZZZZZZ	1		
18:33	ZZZZZZ	1		
18:49	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:21	ZZZZZZ	25		
19:37	ZZZZZZ	25		
19:53	ZZZZZZ	25		
20:09	ZZZZZZ	25		
20:25	GN54173-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54173
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:41	GN54173-CCB4	1		
20:56	GP20986-S1	1		
21:12	GP20986-S2	1		
21:28	GP20986-S3	1		
21:44	GP20986-S4	1		
22:00	GN54173-CCV5	1		
22:16	GN54173-CCB5	1		
22:32	GP20984-MB1	1		
22:48	GP20984-B1	1		
23:04	ZZZZZZ	5		
23:19	ZZZZZZ	5		
23:35	ZZZZZZ	5		
23:51	ZZZZZZ	5		
00:07	FA1564-5	5		(sample used for QC only; not part of login FA1616)
00:23	ZZZZZZ	5		
00:39	ZZZZZZ	5		
01:11	GN54173-CCV6	1		
01:27	GN54173-CCB6	1		
01:43	ZZZZZZ	5		
01:58	ZZZZZZ	5		
02:14	ZZZZZZ	5		
02:30	FA1616-5	5		
02:46	ZZZZZZ	2		
03:02	GP20984-S1	5		
03:18	GP20984-S2	5		
03:34	GP20984-S3	5		
03:50	GP20984-S4	5		
04:21	GN54173-CCV7	1		
04:37	GN54173-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Run ID: GN54173 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54173-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54173-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV1	Sulfate	51.7	2.0	0.60	50	103.4	90-110
GN54173-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54173-CCV2	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54173-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV3	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54173-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV4	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54173-CCV4	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN54173-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV5	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV5	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN54173-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV6	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV6	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV6	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54173-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV7	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV7	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV7	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54173-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB7	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB7	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313180201.TXT Date Analyzed: 02/18/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54217
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:19	GN54217-CCV1	1		
13:35	GN54217-CCB1	1		
13:51	GP21005-MB1	1		
14:07	GP21005-B1	1		
16:09	ZZZZZZ	50		
16:25	ZZZZZZ	50		
16:41	ZZZZZZ	50		
16:57	FA1804-4	5		(sample used for QC only; not part of login FA1616)
17:12	GN54217-CCV2	1		
17:28	GN54217-CCB2	1		
17:44	ZZZZZZ	10		
18:00	ZZZZZZ	200		
18:16	ZZZZZZ	1		
18:32	GP21000-S1	5		
18:48	GP21000-S2	5		
19:04	ZZZZZZ	50		
19:20	ZZZZZZ	50		
19:36	ZZZZZZ	10		
19:51	FA1800-2	1		(sample used for QC only; not part of login FA1616)
20:07	ZZZZZZ	2		
20:23	GN54217-CCV3	1		
20:39	GN54217-CCB3	1		
20:55	GP21005-S1	1		
21:11	GP21005-S2	1		
21:27	GN54217-CCV4	1		
21:43	GN54217-CCB4	1		
21:59	ZZZZZZ	25		
22:14	ZZZZZZ	25		
22:30	FA1616-5	25		
22:46	GP20984-S3	25		
23:02	GP20984-S4	25		
23:18	GN54217-CCV5	1		
23:34	GN54217-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313180201.TXT Date Analyzed: 02/18/13 Methods: EPA 300/SW846 9056A
Run ID: GN54217 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54217-CCV1	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54217-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV2	Sulfate	49.3	2.0	0.60	50	98.6	90-110
GN54217-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV3	Sulfate	48.4	2.0	0.60	50	96.8	90-110
GN54217-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV4	Sulfate	48.8	2.0	0.60	50	97.6	90-110
GN54217-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV5	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN54217-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A022113AMN2.CSV Date Analyzed: 02/21/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54262
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:19	GN54262-ICV1	1		
14:20	GN54262-CCV1	1		
14:21	GN54262-CCB1	1		
14:22	GP21023-MB1	1		
14:23	GP21023-B1	1		
14:24	GP21023-S1	1		
14:25	GP21023-S2	1		
14:26	FA1772-1	1		(sample used for QC only; not part of login FA1616)
14:30	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:32	GN54262-CCV2	1		
14:33	GN54262-CCB2	1		
14:34	ZZZZZZ	1		
14:35	ZZZZZZ	2		
14:36	ZZZZZZ	2		
14:37	FA1616-5	5		
14:38	GN54262-CCV3	1		
14:39	GN54262-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1616
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A022113AMN2.CSV Date Analyzed: 02/21/13 Methods: EPA 350.1 M
Run ID: GN54262 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54262-ICV1	Nitrogen, Ammonia	2.6	0.10	0.022	2.5	104.0	90-110
GN54262-CCV1	Nitrogen, Ammonia	2.7	0.10	0.022	2.5	108.0	90-110
GN54262-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54262-CCV2	Nitrogen, Ammonia	2.7	0.10	0.022	2.5	108.0	90-110
GN54262-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54262-CCV3	Nitrogen, Ammonia	2.7	0.10	0.022	2.5	108.0	90-110
GN54262-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA1616
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1616-5 **Analyzed:** 13-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-44 (9-10)

Wet Weight (Total)	8.76	g
Tare Weight	.98	g
Dry Weight (Total)	7.26	g
Solids, Percent	80.7	%

Southeast ACCUTEST LABORATORIES

02/27/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA1716

Sampling Date: 02/13/13

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: **70**

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.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **6**
Section 4: Sample Results **8**
4.1: FA1716-1: EB-WATER-2/13/13 9
4.2: FA1716-1F: EB-WATER-2/13/13 10
4.3: FA1716-2: A-41-33 12
4.4: FA1716-2F: A-41-33 13
4.5: FA1716-3: A-40-23 15
4.6: FA1716-3F: A-40-23 16
Section 5: Misc. Forms **18**
5.1: Chain of Custody 19
Section 6: Metals Analysis - QC Data Summaries **21**
6.1: Inst QC MA10540: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 22
6.2: Inst QC MA10544: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 40
6.3: Prep QC MP24624: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 56
Section 7: General Chemistry - QC Data Summaries **62**
7.1: Method Blank and Spike Results Summary 63
7.2: Duplicate Results Summary 64
7.3: Matrix Spike Results Summary 65
7.4: Matrix Spike Duplicate Results Summary 66
7.5: Inst QC GN54173: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 67

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA1716

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
FA1716-1	02/13/13	08:00	SD	02/14/13	AQ	Equipment Blank	EB-WATER-2/13/13
FA1716-1F	02/13/13	08:00	SD	02/14/13	AQ	Equip Blank Filtered	EB-WATER-2/13/13
FA1716-2	02/13/13	10:00	SD	02/14/13	AQ	Ground Water	A-41-33
FA1716-2F	02/13/13	10:00	SD	02/14/13	AQ	Groundwater Filtered	A-41-33
FA1716-3	02/13/13	12:00	SD	02/14/13	AQ	Ground Water	A-40-23
FA1716-3F	02/13/13	12:00	SD	02/14/13	AQ	Groundwater Filtered	A-40-23

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA1716

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda **Report Date:** 2/27/2013 12:06:40 PM

4 Samples were collected on 02/13/2013 and were received at Accutest SE on 02/14/2013 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of FA1716. 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:** MP24624

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) FA1709-1DUP, FA1709-1MS, FA1709-1MSD, FA1709-1PS, FA1709-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Aluminum are outside control limits for sample MP24624-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Aluminum, Arsenic, Potassium are outside control limits for sample MP24624-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54159

All method blanks for this batch meet method specific criteria.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1713-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA1716-1, FA1716-2, FA1716-3.

FA1716-1, FA1716-2, FA1716-3 for Specific Conductivity: Received out of hold & analyzed by request.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP20986

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) FA1735-1MS, FA1735-1MSD 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. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA1716-2 for Fluoride: Dilution required due to matrix interference.

FA1716-2 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1716-3 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP20982

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) FA1713-1FDUP, FA1713-1FMSD 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.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21019

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1850-7DUP, FA1850-7MS, FA1850-7MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN54157

Sample(s) FA1713-2DUP was used as the QC sample for pH.

FA1716-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA1716-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA1716-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54293

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1765-4DUP, FA1765-4MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54214

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1764-2DUP 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: February 27, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1716
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/13/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1716-1	**EB-WATER-2/13/13**					
Fluoride		0.10 J	0.20	0.060	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		0.12	0.10	0.050	mg/l	EPA 300/SW846 9056A
Specific Conductivity [a]		6.4	1.0	1.0	umhos/cm	EPA 120.1
pH [b]		6.56			su	SM 4500H B/SW 9040C
FA1716-1F	**EB-WATER-2/13/13**					
Aluminum		38.8 J	200	15	ug/l	SW846 6010C
Calcium		346 J	1000	50	ug/l	SW846 6010C
Iron		153 J	300	29	ug/l	SW846 6010C
Magnesium		123 J	5000	74	ug/l	SW846 6010C
Selenium		2.4 J	10	2.0	ug/l	SW846 6010C
Sodium		568 J	10000	500	ug/l	SW846 6010C
FA1716-2	**A-41-33**					
Alkalinity, Bicarbonate as CaCO3		369	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		369	5.0	0.60	mg/l	SM19 2320B
Chloride		125	20	8.0	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2060	500	140	mg/l	EPA 365.3
Solids, Total Dissolved		3370	100	10	mg/l	SM19 2540C
Specific Conductivity [a]		2890	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1030	50	15	mg/l	EPA 300/SW846 9056A
pH [b]		5.79			su	SM 4500H B/SW 9040C
FA1716-2F	**A-41-33**					
Arsenic		212	10	2.5	ug/l	SW846 6010C
Cadmium		1.0 J	5.0	0.50	ug/l	SW846 6010C
Calcium		94900	1000	50	ug/l	SW846 6010C
Chromium		12.2	10	2.0	ug/l	SW846 6010C
Iron		9190	300	29	ug/l	SW846 6010C
Magnesium		473000	5000	74	ug/l	SW846 6010C
Potassium		23000	10000	200	ug/l	SW846 6010C
Sodium		147000	50000	2500	ug/l	SW846 6010C
Phosphate, Ortho		451	100	19	mg/l	EPA 365.3
FA1716-3	**A-40-23**					
Chloride		92.0	20	8.0	mg/l	EPA 300/SW846 9056A
Fluoride		2.2	2.0	0.60	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2900	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved		6610	100	10	mg/l	SM19 2540C

Summary of Hits

Job Number: FA1716
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/13/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity [a]		4890	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		2150	50	15	mg/l	EPA 300/SW846 9056A
pH [b]		4.71			su	SM 4500H B/SW 9040C
FA1716-3F	**A-40-23**					
Aluminum		52.8 J	200	15	ug/l	SW846 6010C
Arsenic		361	10	2.5	ug/l	SW846 6010C
Cadmium		48.5	5.0	0.50	ug/l	SW846 6010C
Calcium		333000	1000	50	ug/l	SW846 6010C
Chromium		35.9	10	2.0	ug/l	SW846 6010C
Iron		103000	300	29	ug/l	SW846 6010C
Magnesium		512000	10000	150	ug/l	SW846 6010C
Potassium		96000	20000	400	ug/l	SW846 6010C
Selenium		3.2 J	10	2.0	ug/l	SW846 6010C
Sodium		334000	100000	5000	ug/l	SW846 6010C
Phosphate, Ortho		1110	250	48	mg/l	EPA 365.3

(a) Received out of hold & analyzed by request.
(b) 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:	EB-WATER-2/13/13		
Lab Sample ID:	FA1716-1	**Date Sampled:**	02/13/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/14/13
		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	5.0 U	5.0	5.0	mg/l	1	02/23/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/23/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/23/13 14:37	AC	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	02/14/13 13:29	AA	EPA 300/SW846 9056A
Fluoride	0.10 J	0.20	0.060	mg/l	1	02/14/13 13:29	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	0.12	0.10	0.050	mg/l	1	02/14/13 13:29	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/20/13 12:05	LE	EPA 365.3
Solids, Total Dissolved	10 U	100	10	mg/l	1	02/19/13	KC	SM19 2540C
Specific Conductivity [a]	6.4	1.0	1.0	umhos/cm	1	02/14/13 12:45	AC	EPA 120.1
Sulfate	0.60 U	2.0	0.60	mg/l	1	02/14/13 13:29	AA	EPA 300/SW846 9056A
pH [b]	6.56			su	1	02/14/13 11:45	AC	SM 4500H B/SW 9040C

(a) Received out of hold & analyzed by request.
(b) 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:	EB-WATER-2/13/13		
Lab Sample ID:	FA1716-1F	**Date Sampled:**	02/13/13
Matrix:	AQ - Equip Blank Filtered	**Date Received:**	02/14/13
		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	38.8 J	200	15	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	346 J	1000	50	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	153 J	300	29	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	123 J	5000	74	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.4 J	10	2.0	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	568 J	10000	500	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10540
(2) Prep QC Batch: MP24624

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:	EB-WATER-2/13/13		
Lab Sample ID:	FA1716-1F	**Date Sampled:**	02/13/13
Matrix:	AQ - Equip Blank Filtered	**Date Received:**	02/14/13
		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	0.020 U	0.10	0.020	mg/l	1	02/14/13 12:10	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-41-33		
Lab Sample ID:	FA1716-2	**Date Sampled:**	02/13/13
Matrix:	AQ - Ground Water	**Date Received:**	02/14/13
		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	369	5.0	5.0	mg/l	1	02/23/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/23/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	369	5.0	0.60	mg/l	1	02/23/13 14:37	AC	SM19 2320B
Chloride	125	20	8.0	mg/l	10	02/14/13 13:45	AA	EPA 300/SW846 9056A
Fluoride [a]	0.60 U	2.0	0.60	mg/l	10	02/14/13 13:45	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	0.50 U	1.0	0.50	mg/l	10	02/14/13 13:45	AA	EPA 300/SW846 9056A
Phosphorus, Total	2060	500	140	mg/l	5000	02/20/13 12:05	LE	EPA 365.3
Solids, Total Dissolved	3370	100	10	mg/l	1	02/19/13	KC	SM19 2540C
Specific Conductivity [b]	2890	1.0	1.0	umhos/cm	1	02/14/13 12:45	AC	EPA 120.1
Sulfate	1030	50	15	mg/l	25	02/14/13 19:53	AA	EPA 300/SW846 9056A
pH [c]	5.79			su	1	02/14/13 11:45	AC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Received out of hold & analyzed by request.
(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-41-33		
Lab Sample ID:	FA1716-2F	**Date Sampled:**	02/13/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/14/13
		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	15 U	200	15	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	212	10	2.5	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	1.0 J	5.0	0.50	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	94900	1000	50	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	12.2	10	2.0	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	9190	300	29	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	473000	5000	74	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	23000	10000	200	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	2.0 U	10	2.0	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	147000	50000	2500	ug/l	5	02/15/13	02/19/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10540
(2) Instrument QC Batch: MA10544
(3) Prep QC Batch: MP24624

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-41-33		
Lab Sample ID:	FA1716-2F	**Date Sampled:**	02/13/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/14/13
		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	451	100	19	mg/l	1000	02/14/13 12:10	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-40-23		
Lab Sample ID:	FA1716-3	**Date Sampled:**	02/13/13
Matrix:	AQ - Ground Water	**Date Received:**	02/14/13
		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	5.0 U	5.0	5.0	mg/l	1	02/23/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/23/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/23/13 14:37	AC	SM19 2320B
Chloride	92.0	20	8.0	mg/l	10	02/14/13 14:33	AA	EPA 300/SW846 9056A
Fluoride	2.2	2.0	0.60	mg/l	10	02/14/13 14:33	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	0.50 U	1.0	0.50	mg/l	10	02/14/13 14:33	AA	EPA 300/SW846 9056A
Phosphorus, Total	2900	1000	280	mg/l	1000	02/20/13 12:05	LE	EPA 365.3
Solids, Total Dissolved	6610	100	10	mg/l	1	02/19/13	KC	SM19 2540C
Specific Conductivity [b]	4890	1.0	1.0	umhos/cm	1	02/14/13 12:45	AC	EPA 120.1
Sulfate	2150	50	15	mg/l	25	02/14/13 20:09	AA	EPA 300/SW846 9056A
pH [c]	4.71			su	1	02/14/13 11:45	AC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Received out of hold & analyzed by request.
(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-40-23		
Lab Sample ID:	FA1716-3F	**Date Sampled:**	02/13/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/14/13
		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	52.8 J	200	15	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	361	10	2.5	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	48.5	5.0	0.50	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	333000	1000	50	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	35.9	10	2.0	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	103000	300	29	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	512000	10000	150	ug/l	2	02/15/13	02/19/13	LM	SW846 6010C [2]	SW846 3010A [3]
Potassium	96000	20000	400	ug/l	2	02/15/13	02/19/13	LM	SW846 6010C [2]	SW846 3010A [3]
Selenium	3.2 J	10	2.0	ug/l	1	02/15/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	334000	100000	5000	ug/l	10	02/15/13	02/19/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10540
(2) Instrument QC Batch: MA10544
(3) Prep QC Batch: MP24624

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-40-23		
Lab Sample ID:	FA1716-3F	**Date Sampled:**	02/13/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/14/13
		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	1110	250	48	mg/l	2500	02/14/13 12:10	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

CHAIN OF CUSTODY RECORD

Page 1 of 1

Nº 04239

FA1716

Project Number: 36785-01

Site and Location: AGRIUM SODA SPRINGS ID

Contact Name: TIM.HUFF@WSPGROUP.COM

Contact Email:

Sampler's Name: SDD

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	METALS (A) DISSOLVED	PH	TOTAL PHOSPHORUS	GENERAL CHEM (B)	DISSOLVED ORTHO					Remarks
1	EB-WATER - 2/13/13		2/13/13	0800	AQ	4	X	X	X	X	X					- TOTAL METALS
2	A-41-33		2/13/13	1000	AQ	4	X	X	X	X	X					- FIELD FILTERED FOR
3	A-40-23		2/13/13	1200	AQ	4	X	X	X	X	X					METALS & ORTHOPHOS

(A) AL, ANTIMONY, ARSENIC, Cd, Ca, Cr, Fe, Mg, K, Na, SELENIUM

(B) CHLORIDE, FLORIDE, NITRATE, SULFATE, BICARBONATE, CARBONATE, ALKALINTY, TDS, SPECIFIC CONDUCTANCE

Relinquished by (Signature):	2/13/13 1300 Date / Time	Received by (Signature): FX	Laboratory Name: ACCUTEST
Relinquished by (Signature): FX	Date / Time	Received by (Signature): J. Cooper (AISH) 09:30 2-14-13	Laboratory Location: ORLANDO, FL
Turn-Around Time: STD		Tracking Number:	Custody Seal Numbers: 1673
			Method of Shipment: FEDEX

WSP
WSP Environment & Energy

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

3-2

5.1

5

FA1716: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1716 CLIENT: WSP PROJECT: 36785-01

DATE/TIME RECEIVED: 2-14-13 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 7960

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 2-14-13 REVIEWER SIGNATURE/DATE 02/14/2013

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA1716: Chain of Custody

Page 2 of 2

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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10540
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:09	MA10540-STD1	1		STDA
08:14	MA10540-STD2	1		STDB
08:18	MA10540-STD3	1		STDC
08:22	MA10540-STD4	1		STDD
08:27	MA10540-HSTD1	1		
08:32	MA10540-ICV1	1		
08:40	MA10540-ICB1	1		
08:43	MA10540-CRIA1	1		
09:14	MA10540-ICSA1	1		
09:23	MA10540-ICSAB1	1		
09:29	MA10540-CCV1	1		
09:40	MA10540-CCB1	1		
09:44	MP24624-MB1	1		
09:48	MP24624-B1	1		
09:52	FA1709-1	1		(sample used for QC only; not part of login FA1716)
09:57	MP24624-D1	1		
10:01	MP24624-SD1	5		
10:05	MP24624-PS1	1		
10:13	MP24624-S2	1		
10:17	ZZZZZZ	1		
10:21	ZZZZZZ	1		
10:25	MA10540-CCV2	1		
10:29	MA10540-CCB2	1		
10:55	MA10540-CCV3	1		
11:02	MA10540-CCB3	1		
11:07	ZZZZZZ	1		
11:11	ZZZZZZ	1		
11:15	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:37	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10540
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:41	ZZZZZZ	1		
11:45	ZZZZZZ	1		
11:50	MA10540-CCV4	1		
11:53	MA10540-CCB4	1		
11:58	ZZZZZZ	1		
12:02	FA1716-1F	1		
12:06	FA1716-2F	1		
12:11	FA1716-3F	1		
---------->	Last reportable sample/prep for job FA1716			
12:15	MP24626-MB1	1		
12:19	MP24626-B1	1		
12:23	FA1817-1	1		(sample used for QC only; not part of login FA1716)
12:28	MP24626-D1	1		
12:32	MP24626-SD1	5		
12:36	MP24626-PS1	1		
12:40	MA10540-CCV5	1		
12:44	MA10540-CCB5	1		
12:48	MP24626-S1	1		
12:52	MP24626-S2	1		
12:56	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:29	MA10540-CCV6	1		
13:33	MA10540-CCB6	1		
13:38	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:54	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10540
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:58	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:07	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:15	MP24629-MB1	1		
14:20	MA10540-CCV7	1		
14:24	MA10540-CCB7	1		
14:28	MP24629-B1	1		
14:32	FA1820-1	1		(sample used for QC only; not part of login FA1716)
14:36	MP24629-D1	1		
14:40	MP24629-SD1	5		
14:45	MP24629-PS1	1		
14:49	MP24629-S1	1		
14:53	MP24629-S2	1		
14:57	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:09	MA10540-CCV8	1		
15:13	MA10540-CCB8	1		
15:18	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:00	MA10540-CCV9	1		
16:04	MA10540-CCB9	1		
16:08	ZZZZZZ	1		
16:12	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10540
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:17	ZZZZZZ	1		
	16:21	ZZZZZZ	1		
	16:25	MA10540-CRIA2	1		
	16:29	MA10540-ICSA2	1		
	16:34	MA10540-ICSAB2	1		
	16:38	MA10540-CCV10	1		
	16:42	MA10540-CCB10	1		
---------->	Last reportable CCB for job FA1716				
	Refer to raw data for calibration curve and standards.				

INTERNAL STANDARD SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10540
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:09	MA10540-STD1	5030	37520	4727	2423
08:14	MA10540-STD2	4966	36671	4697	2236
08:18	MA10540-STD3	4793	35377	4689	2015
08:22	MA10540-STD4	4615	34197	4623	1836
08:27	MA10540-HSTD1	4589	34063	4604	1832
08:32	MA10540-ICV1	4783	35149	4660	1995
08:40	MA10540-ICB1	5093 R	37567 R	4736 R	2406 R
08:43	MA10540-CRIA1	5033	36879	4760	2290
09:14	MA10540-ICSA1	4349	30966	4492	1711
09:23	MA10540-ICSAB1	4388	31285	4501	1689
09:29	MA10540-CCV1	4911	35523	4682	1977
09:40	MA10540-CCB1	5203	37799	4727	2373
09:44	MP24624-MB1	5195	38220	4791	2372
09:48	MP24624-B1	4974	35959	4729	2075
09:52	FA1709-1	4999	36544	4787	2192
09:57	MP24624-D1	4988	36425	4727	2179
10:01	MP24624-SD1	5147	37488	4771	2321
10:05	MP24624-PS1	5013	36326	4748	2121
10:13	MP24624-S2	4966	35701	4752	2016
10:17	ZZZZZZ	4941	36040	4688	2129
10:21	ZZZZZZ	4996	36388	4750	2184
10:25	MA10540-CCV2	4917	35342	4679	1954
10:29	MA10540-CCB2	5167	37476	4731	2339
10:55	MA10540-CCV3	4911	35084	4642	1931
11:02	MA10540-CCB3	5199	37364	4697	2330
11:07	ZZZZZZ	4949	35670	4731	2119
11:11	ZZZZZZ	5174	37296	4858	2203
11:15	ZZZZZZ	5113	36827	4823	2183
11:20	ZZZZZZ	5197	37539	4830	2251
11:24	ZZZZZZ	5188	37400	4803	2266
11:28	ZZZZZZ	5191	37328	4826	2254
11:32	ZZZZZZ	5176	37265	4783	2260
11:37	ZZZZZZ	5073	36482	4829	2138

INTERNAL STANDARD SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10540
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:41	ZZZZZZ	4365	31458	4483	1714
11:45	ZZZZZZ	4511	32592	4533	1821
11:50	MA10540-CCV4	4924	35166	4637	1922
11:53	MA10540-CCB4	5184	37278	4712	2313
11:58	ZZZZZZ	4505	32650	4525	1818
12:02	FA1716-1F	5192	37580	4787	2322
12:06	FA1716-2F	4639	32766	4587	1789
12:11	FA1716-3F	4361	30725	4482	1660
12:15	MP24626-MB1	5200	37742	4765	2320
12:19	MP24626-B1	4996	35599	4723	2030
12:23	FA1817-1	4946	35229	4756	1969
12:28	MP24626-D1	4945	34909	4666	1971
12:32	MP24626-SD1	5100	36330	4690	2168
12:36	MP24626-PS1	4856	34923	4681	1938
12:40	MA10540-CCV5	4866	34975	4646	1916
12:44	MA10540-CCB5	5155	37332	4782	2316
12:48	MP24626-S1	4814	34496	4740	1880
12:52	MP24626-S2	4770	34441	4687	1869
12:56	ZZZZZZ	5018	35960	4849	2032
13:00	ZZZZZZ	4926	35638	4704	2092
13:04	ZZZZZZ	4937	35342	4642	2074
13:08	ZZZZZZ	4899	35828	4701	2080
13:13	ZZZZZZ	4920	36048	4780	2076
13:17	ZZZZZZ	4968	36095	4797	2105
13:21	ZZZZZZ	4948	35935	4762	2112
13:25	ZZZZZZ	4920	35392	4750	2041
13:29	MA10540-CCV6	4883	34678	4604	1919
13:33	MA10540-CCB6	5076	37115	4703	2308
13:38	ZZZZZZ	4906	35903	4758	2078
13:42	ZZZZZZ	4921	35875	4774	2090
13:46	ZZZZZZ	4925	35418	4895	1942
13:50	ZZZZZZ	4887	34919	4679	2031
13:54	ZZZZZZ	4996	35635	4676	2118

INTERNAL STANDARD SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10540
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:58	ZZZZZZ	4860	35560	4694	2074
14:03	ZZZZZZ	4878	35734	4780	2048
14:07	ZZZZZZ	4907	35835	4751	2091
14:11	ZZZZZZ	4950	35670	4720	2103
14:15	MP24629-MB1	5137	36815	4652	2308
14:20	MA10540-CCV7	4830	34749	4603	1915
14:24	MA10540-CCB7	5040	37031	4690	2294
14:28	MP24629-B1	4900	35536	4710	2034
14:32	FA1820-1	5415	39088	5102	2190
14:36	MP24629-D1	5410	38512	4991	2186
14:40	MP24629-SD1	5170	36981	4669	2258
14:45	MP24629-PS1	5224	37901	4995	2060
14:49	MP24629-S1	5143	37671	5009	2003
14:53	MP24629-S2	5171	37556	4976	1995
14:57	ZZZZZZ	5036	36208	4728	2124
15:01	ZZZZZZ	5065	37006	4645	2199
15:05	ZZZZZZ	5026	36730	4768	2120
15:09	MA10540-CCV8	4810	35056	4645	1920
15:13	MA10540-CCB8	5054	36945	4714	2302
15:18	ZZZZZZ	5020	36391	4686	2206
15:22	ZZZZZZ	5087	36762	4697	2250
15:26	ZZZZZZ	5048	37105	4805	2175
15:30	ZZZZZZ	5010	36712	4766	2206
15:35	ZZZZZZ	5112	37439	4725	2319
15:39	ZZZZZZ	4889	35163	4644	2026
15:43	ZZZZZZ	4898	36063	4730	2071
15:47	ZZZZZZ	4818	35522	4732	2047
15:51	ZZZZZZ	4927	36088	4785	2074
15:56	ZZZZZZ	4983	35823	4686	2125
16:00	MA10540-CCV9	4826	34512	4526	1909
16:04	MA10540-CCB9	5032	36969	4678	2294
16:08	ZZZZZZ	4833	35575	4752	2036
16:12	ZZZZZZ	4889	35637	4678	2066

INTERNAL STANDARD SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10540
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	4849	34766	4618	2005
16:21	ZZZZZZ	4785	34778	4600	1997
16:25	MA10540-CRIA2	5000	36353	4705	2208
16:29	MA10540-ICSA2	4371	30978	4435	1688
16:34	MA10540-ICSAB2	4373	30379	4335	1637
16:38	MA10540-CCV10	4833	34507	4528	1911
16:42	MA10540-CCB10	5063	37114	4688	2313

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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10540 Units: ug/l

Time:			08:40		09:40		10:29		11:02	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.9	<200	4.2	<200	-1.9	<200	-0.20	<200
Antimony	6.0	1.3	-0.90	<6.0	-3.1	<6.0	-3.5	<6.0	1.0	<6.0
Arsenic	10	1.6	-1.1	<10	-0.50	<10	-0.50	<10	0.40	<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	0.20	<5.0
Calcium	1000	50	-1.8	<1000	9.0	<1000	10.5	<1000	8.4	<1000
Chromium	10	1.8	-0.10	<10	-0.10	<10	0.0	<10	0.60	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-2.5	<300	-0.40	<300	7.1	<300	5.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-2.4	<5000	8.6	<5000	-9.0	<5000	-18	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	58.5	<10000	23.5	<10000	6.5	<10000	61.7	<10000
Selenium	10	2	0.20	<10	0.90	<10	-0.40	<10	1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	22.2	<10000	14.3	<10000	44.4	<10000	17.8	<10000
Strontium	10	.5								
Thallium	10	1.3								
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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10540 Units: ug/l

Time:			11:53		12:44		13:33		14:24	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	10.4	<200	-2.6	<200	8.2	<200	0.20	<200
Antimony	6.0	1.3	-0.70	<6.0	-1.0	<6.0	-0.80	<6.0	-1.2	<6.0
Arsenic	10	1.6	0.20	<10	0.40	<10	0.20	<10	0.20	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	31.1	<1000	6.3	<1000	10.6	<1000	8.3	<1000
Chromium	10	1.8	0.30	<10	0.60	<10	0.80	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	15.7	<300	3.9	<300	8.4	<300	7.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-5.4	<5000	7.4	<5000	13.1	<5000	-13	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	99.2	<10000	97.3	<10000	40.9	<10000	37.0	<10000
Selenium	10	2	1.0	<10	1.3	<10	1.7	<10	0.70	<10
Silver	10	.5	anr							
Sodium	10000	500	98.8	<10000	91.3	<10000	55.4	<10000	41.0	<10000
Strontium	10	.5								
Thallium	10	1.3								
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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10540 Units: ug/l

Time:			15:13		16:04		16:42	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	-1.4	<200	1.0	<200	18.0	<200
Antimony	6.0	1.3	-0.80	<6.0	-0.40	<6.0	-0.10	<6.0
Arsenic	10	1.6	0.70	<10	0.70	<10	0.60	<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
Calcium	1000	50	9.4	<1000	13.5	<1000	23.9	<1000
Chromium	10	1.8	0.70	<10	0.50	<10	0.70	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	8.3	<300	8.9	<300	13.8	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	8.6	<5000	11.3	<5000	22.5	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	53.5	<10000	33.7	<10000	15.0	<10000
Selenium	10	2	0.60	<10	1.6	<10	0.60	<10
Silver	10	.5	anr					
Sodium	10000	500	42.1	<10000	37.9	<10000	46.2	<10000
Strontium	10	.5						
Thallium	10	1.3						
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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10540 Units: ug/l

Time:		08:32			09:29			10:25	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41100	102.8	40000	41000	102.5	40000	41300	103.3
Antimony	2000	2010	100.5	2000	1890	94.5	2000	1870	93.5
Arsenic	2000	1970	98.5	2000	1920	96.0	2000	1890	94.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Calcium	40000	43000	107.5	40000	41200	103.0	40000	41500	103.8
Chromium	2000	2060	103.0	2000	2070	103.5	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	42100	105.3	40000	38600	96.5	40000	38100	95.3
Lead	anr								
Magnesium	40000	41600	104.0	40000	39400	98.5	40000	39000	97.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41700	104.3	40000	39000	97.5	40000	38800	97.0
Selenium	2000	2050	102.5	2000	1920	96.0	2000	1890	94.5
Silver	anr								
Sodium	40000	38600	96.5	40000	41200	103.0	40000	41700	104.3
Strontium									
Thallium									
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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10540 Units: ug/l

Time:		10:55			11:50			12:40	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	40600	101.5	40000	40500	101.3
Antimony	2000	1990	99.5	2000	1970	98.5	2000	2000	100.0
Arsenic	2000	1990	99.5	2000	1970	98.5	2000	2000	100.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Calcium	40000	40800	102.0	40000	41100	102.8	40000	40800	102.0
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	40400	101.0	40000	40000	100.0	40000	40300	100.8
Lead	anr								
Magnesium	40000	40500	101.3	40000	40200	100.5	40000	40000	100.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39900	99.8	40000	39700	99.3	40000	39900	99.8
Selenium	2000	2000	100.0	2000	1980	99.0	2000	2010	100.5
Silver	anr								
Sodium	40000	40400	101.0	40000	40600	101.5	40000	40200	100.5
Strontium									
Thallium									
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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10540 Units: ug/l

Time:		13:29			14:20			15:09	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40400	101.0	40000	40200	100.5
Antimony	2000	1990	99.5	2000	2010	100.5	2000	2040	102.0
Arsenic	2000	1970	98.5	2000	2010	100.5	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2040	102.0	2000	2030	101.5
Calcium	40000	40300	100.8	40000	40700	101.8	40000	40500	101.3
Chromium	2000	2030	101.5	2000	2040	102.0	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	40000	40200	100.5	40000	40300	100.8	40000	40800	102.0
Lead	anr								
Magnesium	40000	39700	99.3	40000	40000	100.0	40000	40200	100.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39200	98.0	40000	39700	99.3	40000	40100	100.3
Selenium	2000	1980	99.0	2000	2010	100.5	2000	2040	102.0
Silver	anr								
Sodium	40000	40100	100.3	40000	40400	101.0	40000	40000	100.0
Strontium									
Thallium									
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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10540 Units: ug/l

Time:		16:00			16:38	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40500	101.3
Antimony	2000	2000	100.0	2000	2000	100.0
Arsenic	2000	2000	100.0	2000	2000	100.0
Barium	anr					
Beryllium	anr					
Cadmium	2000	2030	101.5	2000	2030	101.5
Calcium	40000	40600	101.5	40000	40700	101.8
Chromium	2000	2030	101.5	2000	2040	102.0
Cobalt	anr					
Copper	anr					
Iron	40000	40200	100.5	40000	40300	100.8
Lead	anr					
Magnesium	40000	39900	99.8	40000	40000	100.0
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	39600	99.0	40000	39700	99.3
Selenium	2000	2000	100.0	2000	2010	100.5
Silver	anr					
Sodium	40000	40300	100.8	40000	40400	101.0
Strontium						
Thallium						
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10540 Units: ug/l

Time:		08:27	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80600	100.8
Antimony	4000	4030	100.8
Arsenic	4000	4030	100.8
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	80100	100.1
Lead	anr		
Magnesium	80000	80300	100.4
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	81100	101.4
Selenium	4000	4030	100.8
Silver	anr		
Sodium	80000	81000	101.3
Strontium			
Thallium			
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10540 Units: ug/l

Time:			08:43		16:25	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	198	99.0	203	101.5
Antimony	10	5.0	3.5	70.0	4.5	90.0
Arsenic	20	10	9.0	90.0	11.2	112.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.3	106.0	5.4	108.0
Calcium	2000	1000	1060	106.0	1080	108.0
Chromium	20	10	10.7	107.0	10.8	108.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	314	104.7	325	108.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5130	102.6	5140	102.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9690	96.9	9980	99.8
Selenium	20	10	10.4	104.0	10.0	100.0
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	10100	101.0
Strontium	20	10				
Thallium	20	10				
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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10540 Units: ug/l

Time:			09:14		09:23		16:29		16:34	
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	514000	102.8	509000	101.8	504000	100.8
Antimony		1000	0.0		988	98.8	1.7		1020	102.0
Arsenic		1000	0.0		995	99.5	1.7		1020	102.0
Barium		500	-0.50		489	97.8	-0.40		491	98.2
Beryllium		500	-0.30		451	90.2	0.0		462	92.4
Cadmium		1000	0.10		893	89.3	0.0		881	88.1
Calcium	500000	500000	485000	97.0	481000	96.2	480000	96.0	471000	94.2
Chromium		500	-0.40		468	93.6	0.50		463	92.6
Cobalt		500	0.30		440	88.0	0.50		436	87.2
Copper		500	0.0		492	98.4	-0.10		506	101.2
Iron	200000	200000	180000	90.0	175000	87.5	187000	93.5	182000	91.0
Lead		1000	-0.40		928	92.8	-13* (a)		870	87.0
Magnesium	500000	500000	483000	96.6	480000	96.0	493000	98.6	486000	97.2
Manganese		500	0.10		454	90.8	0.60		465	93.0
Molybdenum		1000	-0.80		924	92.4	-0.10		975	97.5
Nickel		1000	-1.0		823	82.3	-0.90		855	85.5
Potassium			-18		-1.3		105		57.3	
Selenium		1000	1.4		974	97.4	-0.30		992	99.2
Silver		1000	-0.50		939	93.9	-0.70		978	97.8
Sodium			84.9		115		218		181	
Strontium		1000	3.9		1140	114.0	3.7		1060	106.0
Thallium		1000	-1.4		923	92.3	-1.2		956	95.6
Tin		1000	-0.60		909	90.9	-0.40		924	92.4
Titanium		1000	-2.1		1010	101.0	-1.9		1080	108.0
Vanadium		500	0.30		474	94.8	0.30		477	95.4
Zinc		1000	-0.50		897	89.7	-0.80		884	88.4

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:05	MA10544-STD1	1		STDA
08:09	MA10544-STD2	1		STDB
08:12	MA10544-STD3	1		STDC
08:16	MA10544-STD4	1		STDD
08:20	MA10544-HSTD1	1		
08:28	MA10544-ICV1	1		
08:37	MA10544-ICB1	1		
08:42	MA10544-CRIA1	1		
08:52	MA10544-ICSA1	1		
09:00	MA10544-ICSAB1	1		
09:08	MA10544-CCV1	1		
09:17	MA10544-CCB1	1		
09:21	MP24632-MB1	1		
09:25	MP24632-B1	1		
09:33	FA1781-1	1		(sample used for QC only; not part of login FA1716)
09:37	MP24632-D1	1		
09:41	MP24632-SD1	5		
09:45	MP24632-PS1	1		
09:50	MP24632-S1	1		
09:54	MP24632-S2	1		
09:58	ZZZZZZ	1		
10:02	MA10544-CCV2	1		
10:06	MA10544-CCB2	1		
10:10	ZZZZZZ	1		
10:14	ZZZZZZ	1		
10:18	ZZZZZZ	1		
10:23	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:53	MA10544-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	10:57	MA10544-CCB3	1		
	11:02	ZZZZZZ	1		
	11:06	ZZZZZZ	1		
	11:10	ZZZZZZ	1		
	11:14	ZZZZZZ	1		
	11:19	ZZZZZZ	1		
	11:23	ZZZZZZ	1		
	11:27	ZZZZZZ	1		
	11:44	MA10544-CCV4	1		
	11:48	MA10544-CCB4	1		
	12:34	MA10544-CCV5	1		
	12:38	MA10544-CCB5	1		
	12:51	MP24624-S1	1		
	12:55	ZZZZZZ	5		
	12:59	FA1716-2F	5		
	13:03	FA1716-3F	2		
	13:07	FA1716-3F	10		
---------->	Last reportable sample/prep for job FA1716				
	13:11	ZZZZZZ	2		
	13:16	ZZZZZZ	2		
	13:20	ZZZZZZ	2		
	13:24	MA10544-CCV6	1		
	13:28	MA10544-CCB6	1		
	13:32	ZZZZZZ	5		
	13:37	ZZZZZZ	5		
	13:41	ZZZZZZ	10		
	13:45	ZZZZZZ	2		
	13:49	ZZZZZZ	2		
	13:54	ZZZZZZ	4		
	13:58	ZZZZZZ	2		
	14:02	ZZZZZZ	4		
	14:06	ZZZZZZ	10		
	14:10	ZZZZZZ	20		
	14:14	MA10544-CCV7	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:18	MA10544-CCB7	1		
14:22	ZZZZZZ	5		
14:27	ZZZZZZ	10		
14:31	ZZZZZZ	5		
14:35	MP24638-MB1	1		
14:39	MP24638-B1	1		
14:43	FA1713-1L	1		(sample used for QC only; not part of login FA1716)
14:47	MP24638-D1	1		
14:52	MP24638-SD1	5		
14:56	MP24638-S1	1		
15:00	MP24638-S2	1		
15:04	MA10544-CCV8	1		
15:08	MA10544-CCB8	1		
15:12	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:28	FA1717-4	1		(sample used for QC only; not part of login FA1716)
15:32	MP24638-D2	1		
15:36	MP24638-MB2	1		
15:41	MP24638-B2	1		
15:44	MA10544-CRIA2	1		
15:49	MA10544-ICSA2	1		
15:53	MA10544-CCV9	1		
15:57	MA10544-CCB9	1		
16:01	MA10544-ICSAB2	1		
16:05	MA10544-CCV10	1		
16:09	MA10544-CCB10	1		

----------> Last reportable CCB for job FA1716
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:05	MA10544-STD1	7558	44201	6555	3138
08:09	MA10544-STD2	7504	44044	6552	2920
08:12	MA10544-STD3	7240	42668	6535	2617
08:16	MA10544-STD4	6990	41471	6501	2370
08:20	MA10544-HSTD1	7013	41630	6528	2374
08:28	MA10544-ICV1	7180	42234	6487	2574
08:37	MA10544-ICB1	7576 R	44456 R	6590 R	3142 R
08:42	MA10544-CRIA1	7510	43498	6516	2992
08:52	MA10544-ICSA1	6647	38150	6340	2291
09:00	MA10544-ICSAB1	6697	38490	6372	2255
09:08	MA10544-CCV1	7304	42225	6501	2590
09:17	MA10544-CCB1	7550	45049	6575	3151
09:21	MP24632-MB1	7506	45198	6632	3117
09:25	MP24632-B1	7426	43843	6712	2794
09:33	FA1781-1	11105 !	63180 !	9808 !	2678
09:37	MP24632-D1	10951 !	63003 !	9734 !	2666
09:41	MP24632-SD1	8435	49345	7371	3009
09:45	MP24632-PS1	10865 !	62817 !	9755 !	2629
09:50	MP24632-S1	10603 !	61457 !	9652 !	2565
09:54	MP24632-S2	10643 !	61104 !	9618 !	2526
09:58	ZZZZZZ	8547	49107	7466	2804
10:02	MA10544-CCV2	7396	43736	6665	2657
10:06	MA10544-CCB2	7490	44827	6603	3126
10:10	ZZZZZZ	7656	45873	6861	2990
10:14	ZZZZZZ	8363	48478	7451	2738
10:18	ZZZZZZ	10683 !	61968 !	9372 !	2819
10:23	ZZZZZZ	33187 !	193090 !	30027 !	2561
10:27	ZZZZZZ	6846	39359	6641	2389
10:31	ZZZZZZ	8752	52375	7937	2910
10:35	ZZZZZZ	8012	45551	7178	2615
10:40	ZZZZZZ	25423 !	147310 !	22960 !	2558
10:49	ZZZZZZ	6443	38186	6096	2322
10:53	MA10544-CCV3	7195	42874	6387	2605

INTERNAL STANDARD SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:57	MA10544-CCB3	7588	45173	6461	3174
11:02	ZZZZZZ	6663	38745	6155	2372
11:06	ZZZZZZ	7493	44592	6310	3111
11:10	ZZZZZZ	6813	40621	6076	2606
11:14	ZZZZZZ	7639	45241	6890	2704
11:19	ZZZZZZ	6980	40490	6384	2600
11:23	ZZZZZZ	7054	40467	6275	2571
11:27	ZZZZZZ	9666 !	56615 !	8318 !	2831
11:44	MA10544-CCV4	7193	41948	6170	2590
11:48	MA10544-CCB4	7525	44837	6371	3167
12:34	MA10544-CCV5	7123	42964	6340	2636
12:38	MA10544-CCB5	7546	44916	6409	3181
12:51	MP24624-S1	7234	43226	6377	2728
12:55	ZZZZZZ	7043	41747	6150	2749
12:59	FA1716-2F	7380	43516	6325	2855
13:03	FA1716-3F	6777	40139	6163	2488
13:07	FA1716-3F	7233	42856	6202	2859
13:11	ZZZZZZ	7759	44941	6638	2703
13:16	ZZZZZZ	7738	45393	6598	2703
13:20	ZZZZZZ	9090	54119	7766	2878
13:24	MA10544-CCV6	7192	43411	6285	2668
13:28	MA10544-CCB6	7434	44148	6159	3146
13:32	ZZZZZZ	6824	40639	6083	2508
13:37	ZZZZZZ	6921	41661	6210	2505
13:41	ZZZZZZ	8758	51924	7313	2972
13:45	ZZZZZZ	8549	49742	7220	2752
13:49	ZZZZZZ	8548	50858	7270	2761
13:54	ZZZZZZ	7972	47830	6831	2922
13:58	ZZZZZZ	8438	50065	7260	2800
14:02	ZZZZZZ	7326	43217	6120	2924
14:06	ZZZZZZ	7603	43392	6434	2653
14:10	ZZZZZZ	7393	43840	6278	2869
14:14	MA10544-CCV7	7113	42334	6093	2635

INTERNAL STANDARD SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:18	MA10544-CCB7	7406	44114	6075	3146
14:22	ZZZZZZ	7144	40916	6106	2547
14:27	ZZZZZZ	7370	43197	6285	2676
14:31	ZZZZZZ	7388	42659	6343	2531
14:35	MP24638-MB1	7526	45387	6208	3194
14:39	MP24638-B1	7345	43292	6127	2824
14:43	FA1713-1L	7210	43513	6156	2943
14:47	MP24638-D1	7168	43842	6227	2968
14:52	MP24638-SD1	7358	44582	6192	3140
14:56	MP24638-S1	7053	42340	6083	2726
15:00	MP24638-S2	7001	42138	6047	2713
15:04	MA10544-CCV8	7008	42643	6027	2654
15:08	MA10544-CCB8	7215	44732	6098	3198
15:12	ZZZZZZ	7117	43684	6126	3022
15:16	ZZZZZZ	7359	43488	6169	2886
15:20	ZZZZZZ	7366	43645	6288	2732
15:24	ZZZZZZ	7153	44204	6196	2994
15:28	FA1717-4	7015	42670	6092	2872
15:32	MP24638-D2	7081	42483	6094	2836
15:36	MP24638-MB2	7357	45552	6180	3216
15:41	MP24638-B2	7053	43362	6150	2840
15:44	MA10544-CRIA2	7126	43220	5988	3027
15:49	MA10544-ICSA2	6523	38124	5812	2332
15:53	MA10544-CCV9	6905	42148	5915	2651
15:57	MA10544-CCB9	7123	44283	6084	3184
16:01	MA10544-ICSAB2	6366	37573	5754	2290
16:05	MA10544-CCV10	7056	42283	6003	2658
16:09	MA10544-CCB10	7232	44415	5986	3174

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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10544 Units: ug/l

Time:			08:37		09:17		10:06		10:57	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-5.7	<200	-9.5	<200	-1.7	<200	1.5	<200
Antimony	6.0	1.3	0.0	<6.0	-1.1	<6.0	-0.10	<6.0	0.60	<6.0
Arsenic	10	1.6	0.20	<10	0.70	<10	0.30	<10	0.50	<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	0.10	<5.0
Calcium	1000	50	-1.5	<1000	6.6	<1000	9.7	<1000	14.2	<1000
Chromium	10	1.8	0.30	<10	0.30	<10	0.30	<10	0.80	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	-0.70	<300	5.5	<300	10.3	<300	12.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-5.4	<5000	-4.3	<5000	14.3	<5000	-5.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	21.1	<10000	7.6	<10000	48.1	<10000	170	<10000
Selenium	10	2	0.90	<10	0.80	<10	1.3	<10	1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	1.2	<10000	21.4	<10000	47.0	<10000	191	<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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10544 Units: ug/l

Time:			11:48		12:38		13:28		14:18	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.2	<200	1.5	<200	6.2	<200	-10	<200
Antimony	6.0	1.3	0.0	<6.0	-0.60	<6.0	0.0	<6.0	-0.50	<6.0
Arsenic	10	1.6	0.50	<10	0.20	<10	0.40	<10	0.80	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	23.6	<1000	12.5	<1000	16.3	<1000	3.9	<1000
Chromium	10	1.8	1.0	<10	0.40	<10	0.60	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	19.6	<300	13.0	<300	23.0	<300	5.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	24.9	<5000	7.5	<5000	12.8	<5000	5.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	130	<10000	145	<10000	101	<10000	76.1	<10000
Selenium	10	2	1.0	<10	0.50	<10	1.0	<10	0.80	<10
Silver	10	.5	anr							
Sodium	10000	500	119	<10000	217	<10000	95.6	<10000	85.9	<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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10544 Units: ug/l

Time:			15:08		15:57		16:09	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	-5.3	<200	-3.2	<200	2.8	<200
Antimony	6.0	1.3	0.30	<6.0	0.30	<6.0	0.40	<6.0
Arsenic	10	1.6	0.10	<10	0.30	<10	0.90	<10
Barium	200	1	anr					
Beryllium	4.0	.5	anr					
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	4.0	<1000	8.5	<1000	11.5	<1000
Chromium	10	1.8	0.40	<10	0.50	<10	0.60	<10
Cobalt	50	.5						
Copper	25	1						
Iron	300	29	3.2	<300	7.2	<300	10.7	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	3.3	<5000	9.2	<5000	13.2	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	69.1	<10000	21.6	<10000	39.9	<10000
Selenium	10	2	0.0	<10	0.30	<10	-1.2	<10
Silver	10	.5	anr					
Sodium	10000	500	75.8	<10000	64.9	<10000	63.9	<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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10544 Units: ug/l

Time:		08:28			09:08			10:02	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	40400	101.0	40000	40000	100.0
Antimony	2000	2020	101.0	2000	1950	97.5	2000	1960	98.0
Arsenic	2000	1990	99.5	2000	1940	97.0	2000	1960	98.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	2000	100.0	2000	2000	100.0
Calcium	40000	43200	108.0	40000	40300	100.8	40000	39900	99.8
Chromium	2000	2070	103.5	2000	2040	102.0	2000	1990	99.5
Cobalt									
Copper									
Iron	40000	42800	107.0	40000	41100	102.8	40000	40000	100.0
Lead	anr								
Magnesium	40000	42100	105.3	40000	39700	99.3	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42200	105.5	40000	39400	98.5	40000	39600	99.0
Selenium	2000	2060	103.0	2000	1950	97.5	2000	1970	98.5
Silver	anr								
Sodium	40000	38900	97.3	40000	40700	101.8	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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10544 Units: ug/l

Time:		10:53			11:44			12:34	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	41000	102.5	40000	40200	100.5
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2110	105.5
Arsenic	2000	2040	102.0	2000	2010	100.5	2000	2080	104.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2050	102.5	2000	2040	102.0
Calcium	40000	40300	100.8	40000	40500	101.3	40000	39500	98.8
Chromium	2000	2050	102.5	2000	2070	103.5	2000	2010	100.5
Cobalt									
Copper									
Iron	40000	39900	99.8	40000	40600	101.5	40000	38200	95.5
Lead	anr								
Magnesium	40000	39400	98.5	40000	39300	98.3	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42100	105.3	40000	41700	104.3	40000	42600	106.5
Selenium	2000	2050	102.5	2000	2020	101.0	2000	2100	105.0
Silver	anr								
Sodium	40000	41600	104.0	40000	42100	105.3	40000	41200	103.0
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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10544 Units: ug/l

Time:		13:24			14:14			15:04	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	40000	100.0	40000	40100	100.3
Antimony	2000	2060	103.0	2000	2070	103.5	2000	2150	107.5
Arsenic	2000	2040	102.0	2000	2060	103.0	2000	2120	106.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Calcium	40000	38600	96.5	40000	39200	98.0	40000	39300	98.3
Chromium	2000	1960	98.0	2000	2010	100.5	2000	1980	99.0
Cobalt									
Copper									
Iron	40000	37200	93.0	40000	37900	94.8	40000	37500	93.8
Lead	anr								
Magnesium	40000	38500	96.3	40000	38900	97.3	40000	39400	98.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42100	105.3	40000	42800	107.0	40000	43500	108.8
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2140	107.0
Silver	anr								
Sodium	40000	40400	101.0	40000	41200	103.0	40000	41200	103.0
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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10544 Units: ug/l

Time:		15:53			16:05	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	38800	97.0
Antimony	2000	2190	109.5	2000	2100	105.0
Arsenic	2000	2150	107.5	2000	2050	102.5
Barium	anr					
Beryllium	anr					
Cadmium	2000	2050	102.5	2000	1990	99.5
Calcium	40000	38900	97.3	40000	37900	94.8
Chromium	2000	1980	99.0	2000	1960	98.0
Cobalt						
Copper						
Iron	40000	36800	92.0	40000	36200	90.5
Lead	anr					
Magnesium	40000	39400	98.5	40000	38400	96.0
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	43800	109.5	40000	42400	106.0
Selenium	2000	2170	108.5	2000	2080	104.0
Silver	anr					
Sodium	40000	41000	102.5	40000	40100	100.3
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10544 Units: ug/l

Time:		08:20	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79500	99.4
Antimony	4000	3980	99.5
Arsenic	4000	3990	99.8
Barium	anr		
Beryllium	anr		
Cadmium	4000	3960	99.0
Calcium	80000	79300	99.1
Chromium	4000	3960	99.0
Cobalt			
Copper			
Iron	80000	79400	99.3
Lead	anr		
Magnesium	80000	79300	99.1
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80400	100.5
Selenium	4000	3980	99.5
Silver	anr		
Sodium	80000	79700	99.6
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10544 Units: ug/l

Time:			08:42		15:44	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	205	102.5	193	96.5
Antimony	10	5.0	5.0	100.0	5.1	102.0
Arsenic	20	10	10.4	104.0	11.2	112.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.3	106.0	5.1	102.0
Calcium	2000	1000	1060	106.0	982	98.2
Chromium	20	10	11.0	110.0	10.1	101.0
Cobalt	100	50				
Copper	50	25				
Iron	600	300	332	110.7	284	94.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5170	103.4	4990	99.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9770	97.7	10800	108.0
Selenium	20	10	12.0	120.0	10.9	109.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10200	102.0
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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10544 Units: ug/l

Time:			08:52		09:00		15:49		16:01	
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	513000	102.6	489000	97.8	489000	97.8
Antimony		1000	0.0		1000	100.0	0.30		1090	109.0
Arsenic		1000	1.8		1010	101.0	0.80		1070	107.0
Barium		500	-0.50		487	97.4	0.30		499	99.8
Beryllium		500	-0.10		475	95.0	-0.10		415	83.0
Cadmium		1000	-0.10		884	88.4	0.50		873	87.3
Calcium	500000	500000	488000	97.6	479000	95.8	451000	90.2	447000	89.4
Chromium		500	0.10		456	91.2	0.10		438	87.6
Cobalt		500	0.30		434	86.8	0.20		432	86.4
Copper		500	0.0		483	96.6	-2.3		508	101.6
Iron	200000	200000	190000	95.0	187000	93.5	169000	84.5	161000	80.5
Lead		1000	0.20		884	88.4	1.9		809	80.9
Magnesium	500000	500000	483000	96.6	476000	95.2	453000	90.6	462000	92.4
Manganese		500	0.0		462	92.4	-0.40		481	96.2
Molybdenum		1000	0.0		992	99.2	-0.10		938	93.8
Nickel		1000	0.0		853	85.3	-0.70		923	92.3
Potassium			38.4		40.1		104		96.9	
Selenium		1000	0.0		983	98.3	-0.60		1040	104.0
Silver		1000	-0.80		923	92.3	-0.20		946	94.6
Sodium			100		130		273		216	
Strontium		1000	4.0		1090	109.0	3.9		1010	101.0
Thallium		1000	0.0		968	96.8	1.2		860	86.0
Tin		1000	-1.1		914	91.4	-0.80		944	94.4
Titanium		1000	-5.9		1070	107.0	-5.8		973	97.3
Vanadium		500	-0.50		468	93.6	-0.10		470	94.0
Zinc		1000	-1.2		886	88.6	-0.10		862	86.2

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24624
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-10	<200
Antimony	6.0	1.3	1.3	-2.0	<6.0
Arsenic	10	1.6	2.5	-1.5	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	11.4	<1000
Chromium	10	1.8	2	-0.20	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-3.5	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-15	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-25	<10000
Selenium	10	2	2	0.50	<10
Silver	10	.5	.5		
Sodium	10000	500	500	13.0	<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 MP24624: FA1716-1F, FA1716-2F, FA1716-3F

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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24624
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/13 02/15/13

Metal	FA1709-1 Original	DUP	RPD	QC Limits	FA1709-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	30.6	41.9	31.2 (a)	0-20	30.6	29200	27000	108.0	2.8	20
Antimony	0.0	0.0	NC	0-20	0.0	486	500	97.2	10.5	20
Arsenic	4.6	4.9	6.3	0-20	4.6	1910	2000	95.3	8.0	20
Barium	anr									
Beryllium										
Cadmium	0.0	0.0	NC	0-20	0.0	50.5	50	101.0	0.4	20
Calcium	68500	70000	2.2	0-20	68500	92900	25000	97.6	4.7	20
Chromium	0.0	0.0	NC	0-20	0.0	218	200	109.0	4.2	20
Cobalt										
Copper										
Iron	1290	1300	0.8	0-20	1290	27400	26000	100.4	0.4	20
Lead	anr									
Magnesium	2650	2670	0.8	0-20	2650	27400	25000	99.0	1.1	20
Manganese	anr									
Molybdenum										
Nickel										
Potassium	1050	1040	1.0	0-20	1050	26400	25000	101.4	8.7	20
Selenium	0.0	0.0	NC	0-20	0.0	1940	2000	97.0	7.9	20
Silver	anr									
Sodium	8460	8650	2.2	0-20	8460	35500	25000	108.2	1.7	20
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

Associated samples MP24624: FA1716-1F, FA1716-2F, FA1716-3F

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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24624
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/13

Metal	FA1709-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	30.6	28400	27000	105.1	80-120
Antimony	0.0	540	500	108.0	80-120
Arsenic	4.6	2070	2000	103.3	80-120
Barium	anr				
Beryllium					
Cadmium	0.0	50.3	50	100.6	80-120
Calcium	68500	88600	25000	80.4	80-120
Chromium	0.0	209	200	104.5	80-120
Cobalt					
Copper					
Iron	1290	27300	26000	100.0	80-120
Lead	anr				
Magnesium	2650	27700	25000	100.2	80-120
Manganese	anr				
Molybdenum					
Nickel					
Potassium	1050	28800	25000	111.0	80-120
Selenium	0.0	2100	2000	105.0	80-120
Silver	anr				
Sodium	8460	34900	25000	105.8	80-120
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP24624: FA1716-1F, FA1716-2F, FA1716-3F

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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24624
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	29600	27000	109.6	80-120
Antimony	498	500	99.6	80-120
Arsenic	1940	2000	97.0	80-120
Barium	anr			
Beryllium				
Cadmium	52.7	50	105.4	80-120
Calcium	27800	25000	111.2	80-120
Chromium	222	200	111.0	80-120
Cobalt				
Copper				
Iron	27000	26000	103.8	80-120
Lead	anr			
Magnesium	25800	25000	103.2	80-120
Manganese	anr			
Molybdenum				
Nickel				
Potassium	25600	25000	102.4	80-120
Selenium	1980	2000	99.0	80-120
Silver	anr			
Sodium	27400	25000	109.6	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24624: FA1716-1F, FA1716-2F, FA1716-3F

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24624
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/13

Metal	FA1709-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	30.6	0.00	100.0(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	4.60	0.00	100.0(a)	0-10
Barium	anr			
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	68500	69500	1.5	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron	1290	1230	4.9	0-10
Lead	anr			
Magnesium	2650	2680	1.2	0-10
Manganese	anr			
Molybdenum				
Nickel				
Potassium	1050	0.00	100.0(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	8460	8360	1.1	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24624: FA1716-1F, FA1716-2F, FA1716-3F

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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24624
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/15/13

Metal	Sample ml	Final ml	FA1709-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	30.6	29.988	2604	0.2	125	2500	103.0	80-120
Antimony	9.8	10	0	0	92.7	0.2	5	100	92.7	80-120
Arsenic	9.8	10	4.6	4.508	100.4	0.2	5	100	95.9	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	51.9	0.2	2.5	50	103.8	80-120
Calcium	9.8	10	68490	67120.2	73040	0.2	250	5000	118.4	80-120
Chromium	9.8	10	0	0	54.9	0.2	2.5	50	109.8	80-120
Cobalt										
Copper										
Iron	9.8	10	1291	1265.18	4194	0.2	150	3000	97.6	80-120
Lead										
Magnesium	9.8	10	2647	2594.06	7407	0.2	250	5000	96.3	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	1049	1028.02	10700	0.2	500	10000	96.7	80-120
Selenium	9.8	10	0	0	96.5	0.2	5	100	96.5	80-120
Silver										
Sodium	9.8	10	8457	8287.86	18890	0.2	500	10000	106.0	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24624: FA1716-1F, FA1716-2F, FA1716-3F

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: FA1716
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	GN54293	5.0	0.0	mg/l	250	251	100.0	90-113%
Chloride	GP20986/GN54173	2.0	0.0	mg/l	50	51.2	102.4	90-110%
Fluoride	GP20986/GN54173	0.20	0.0	mg/l	2.5	2.69	107.6	90-110%
Nitrogen, Nitrate	GP20986/GN54173	0.10	0.0	mg/l	2.5	2.49	99.6	90-110%
Nitrogen, Nitrite	GP20986/GN54173	0.10	0.0	mg/l	2.5	2.59	103.6	90-110%
Phosphate, Ortho	GP20982/GN54152	0.10	0.0	mg/l	.300	0.29	95.7	83-116%
Phosphorus, Total	GP21019/GN54249	0.10	0.0	mg/l	.300	0.28	92.1	81-118%
Solids, Total Dissolved	GN54214	100	0.0	mg/l				
Specific Conductivity	GN54159	1.0	0.0	umhos/cm				
Sulfate	GP20986/GN54173	2.0	0.0	mg/l	50	53.1	106.2	90-110%

Associated Samples:
Batch GN54159: FA1716-1, FA1716-2, FA1716-3
Batch GN54214: FA1716-1, FA1716-2, FA1716-3
Batch GN54293: FA1716-1, FA1716-2, FA1716-3
Batch GP20982: FA1716-1F, FA1716-2F, FA1716-3F
Batch GP20986: FA1716-1, FA1716-2, FA1716-3
Batch GP21019: FA1716-1, FA1716-2, FA1716-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1716
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	GN54293	FA1765-4	mg/l	0.60 U	0.0	0.0	0-20%
Phosphate, Ortho	GP20982/GN54152	FA1713-1F	mg/l	257	253	1.6	0-26%
Phosphorus, Total	GP21019/GN54249	FA1850-7	mg/l	3.3	3.3	0.0	0-22%
Solids, Total Dissolved	GN54214	FA1764-2	mg/l	122	122	0.0	0-5%
Specific Conductivity	GN54159	FA1713-1	umhos/cm	4530	4540	0.2	0-10%
pH	GN54157	FA1713-2	su	7.04	7.03	0.1	0-10%

Associated Samples:
Batch GN54157: FA1716-1, FA1716-2, FA1716-3
Batch GN54159: FA1716-1, FA1716-2, FA1716-3
Batch GN54214: FA1716-1, FA1716-2, FA1716-3
Batch GN54293: FA1716-1, FA1716-2, FA1716-3
Batch GP20982: FA1716-1F, FA1716-2F, FA1716-3F
Batch GP21019: FA1716-1, FA1716-2, FA1716-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1716
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	GN54293	FA1765-4	mg/l	0.60 U	250	255	102.0	90-113%
Chloride	GP20986/GN54173	FA1735-1	mg/l	6.4	50	56.2	99.6	90-110%
Fluoride	GP20986/GN54173	FA1735-1	mg/l	0.11	2.5	2.0	75.6N(a)	90-110%
Nitrogen, Nitrate	GP20986/GN54173	FA1735-1	mg/l	1.1	2.5	3.4	92.0	90-110%
Nitrogen, Nitrite	GP20986/GN54173	FA1735-1	mg/l	0.0	2.5	2.4	96.0	90-110%
Phosphate, Ortho	GP20982/GN54152	FA1713-1F	mg/l	257	.300	285	9430.0(b)	83-116%
Phosphorus, Total	GP21019/GN54249	FA1850-7	mg/l	3.3	.300	3.5	100.0	81-118%
Sulfate	GP20986/GN54173	FA1735-1	mg/l	1.8	50	49.8	96.0	90-110%

Associated Samples:
Batch GN54293: FA1716-1, FA1716-2, FA1716-3
Batch GP20982: FA1716-1F, FA1716-2F, FA1716-3F
Batch GP20986: FA1716-1, FA1716-2, FA1716-3
Batch GP21019: FA1716-1, FA1716-2, FA1716-3
(*) 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: FA1716
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	GP20986/GN54173	FA1735-1	mg/l	6.4	50	56.2	0.0	
Fluoride	GP20986/GN54173	FA1735-1	mg/l	0.11	2.5	2.0	0.0N(a)	
Nitrogen, Nitrate	GP20986/GN54173	FA1735-1	mg/l	1.1	2.5	3.4	0.0	
Nitrogen, Nitrite	GP20986/GN54173	FA1735-1	mg/l	0.0	2.5	2.4	0.0	
Phosphate, Ortho	GP20982/GN54152	FA1713-1F	mg/l	257	.300	285	0.0(b)	26%
Phosphorus, Total	GP21019/GN54249	FA1850-7	mg/l	3.3	.300	3.49	1.7	22%
Sulfate	GP20986/GN54173	FA1735-1	mg/l	1.8	50	49.7	0.2	

Associated Samples:
Batch GP20982: FA1716-1F, FA1716-2F, FA1716-3F
Batch GP20986: FA1716-1, FA1716-2, FA1716-3
Batch GP21019: FA1716-1, FA1716-2, FA1716-3
(*) 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: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54173
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:51	GN54173-CCV1	1		
11:06	GN54173-CCB1	1		
11:22	GP20986-MB1	1		
11:38	GP20986-B1	1		
12:26	ZZZZZZ	25		
12:42	ZZZZZZ	10		
12:57	ZZZZZZ	10		
13:13	ZZZZZZ	1		
13:29	FA1716-1	1		
13:45	FA1716-2	10		
14:01	GN54173-CCV2	1		
14:17	GN54173-CCB2	1		
14:33	FA1716-3	10		
15:23	ZZZZZZ	1		
15:39	FA1735-1	1		(sample used for QC only; not part of login FA1716)
15:55	FA1735-3	1		(sample used for QC only; not part of login FA1716)
16:11	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:46	GN54173-CCV3	1		
18:02	GN54173-CCB3	1		
18:17	ZZZZZZ	1		
18:33	ZZZZZZ	1		
18:49	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:21	ZZZZZZ	25		
19:37	ZZZZZZ	25		
19:53	FA1716-2	25		
20:09	FA1716-3	25		
20:25	GN54173-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54173
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:41	GN54173-CCB4	1		
20:56	GP20986-S1	1		
21:12	GP20986-S2	1		
21:28	GP20986-S3	1		
21:44	GP20986-S4	1		
22:00	GN54173-CCV5	1		
22:16	GN54173-CCB5	1		
22:32	GP20984-MB1	1		
22:48	GP20984-B1	1		
23:04	ZZZZZZ	5		
23:19	ZZZZZZ	5		
23:35	ZZZZZZ	5		
23:51	ZZZZZZ	5		
00:07	FA1564-5	5		(sample used for QC only; not part of login FA1716)
00:23	ZZZZZZ	5		
00:39	ZZZZZZ	5		
01:11	GN54173-CCV6	1		
01:27	GN54173-CCB6	1		
01:43	ZZZZZZ	5		
01:58	ZZZZZZ	5		
02:14	ZZZZZZ	5		
02:30	FA1616-5	5		(sample used for QC only; not part of login FA1716)
02:46	ZZZZZZ	2		
03:02	GP20984-S1	5		
03:18	GP20984-S2	5		
03:34	GP20984-S3	5		
03:50	GP20984-S4	5		
04:21	GN54173-CCV7	1		
04:37	GN54173-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Run ID: GN54173 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54173-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54173-CCV1	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54173-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV1	Sulfate	51.7	2.0	0.60	50	103.4	90-110
GN54173-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB1	Chloride	0.80 U	2.0	0.80			
GN54173-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV2	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN54173-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54173-CCV2	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54173-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB2	Chloride	0.80 U	2.0	0.80			
GN54173-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV3	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN54173-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV3	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54173-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB3	Chloride	0.80 U	2.0	0.80			
GN54173-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV4	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV4	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN54173-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54173-CCV4	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN54173-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB4	Chloride	0.80 U	2.0	0.80			
GN54173-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV5	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV5	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54173-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV5	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN54173-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB5	Chloride	0.80 U	2.0	0.80			
GN54173-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV6	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV6	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN54173-CCV6	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV6	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54173-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB6	Chloride	0.80 U	2.0	0.80			
GN54173-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54173-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54173-CCV7	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54173-CCV7	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54173-CCV7	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54173-CCV7	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54173-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54173-CCB7	Chloride	0.80 U	2.0	0.80			
GN54173-CCB7	Nitrogen, Nitrate	0.050 U	0.10	0.050			

Instrument QC Summary
Inorganics Analyses

Login Number: FA1716
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140201.TXT Date Analyzed: 02/14/13 Methods: EPA 300/SW846 9056A
Run ID: GN54173 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54173-CCB7	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

7.5

7

Southeast ACCUTEST LABORATORIES

03/04/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA1806

Sampling Date: 02/15/13

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: **74**

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.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **7**
Section 4: Sample Results **10**
4.1: FA1806-1: A-43-17 11
4.2: FA1806-1F: A-43-17 12
4.3: FA1806-2: A-44-24 14
4.4: FA1806-2F: A-44-24 15
4.5: FA1806-3: A-42-20 17
4.6: FA1806-3F: A-42-20 18
4.7: FA1806-4: EB-WATER-2/15/13 20
Section 5: Misc. Forms **22**
5.1: Chain of Custody 23
Section 6: Metals Analysis - QC Data Summaries **25**
6.1: Inst QC MA10541: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 26
6.2: Inst QC MA10544: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 42
6.3: Prep QC MP24630: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 58
Section 7: General Chemistry - QC Data Summaries **64**
7.1: Method Blank and Spike Results Summary 65
7.2: Duplicate Results Summary 66
7.3: Matrix Spike Results Summary 67
7.4: Matrix Spike Duplicate Results Summary 68
7.5: Inst QC GN54208: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 69
7.6: Inst QC GN54217: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 71
7.7: Inst QC GN54233: Fluoride 73

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA1806

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
FA1806-1	02/15/13	10:30	SD	02/16/13	AQ	Water	A-43-17
FA1806-1F	02/15/13	10:30	SD	02/16/13	AQ	Water Filtered	A-43-17
FA1806-2	02/15/13	11:00	SD	02/16/13	AQ	Water	A-44-24
FA1806-2F	02/15/13	11:00	SD	02/16/13	AQ	Water Filtered	A-44-24
FA1806-3	02/15/13	11:30	SD	02/16/13	AQ	Water	A-42-20
FA1806-3F	02/15/13	11:30	SD	02/16/13	AQ	Water Filtered	A-42-20
FA1806-4	02/15/13	12:00	SD	02/16/13	AQ	Equipment Blank	EB-WATER-2/15/13

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA1806

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 3/4/2013 10:52:40 AM

4 Samples were collected on 02/15/2013 and were received at Accutest SE on 02/16/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA1806. 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:** MP24630

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) FA1784-1DUP, FA1784-1MS, FA1784-1MSD, FA1784-1PS, FA1784-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Selenium are outside control limits for sample MP24630-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Chromium, Selenium are outside control limits for sample MP24630-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24630-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA1806-1F for Chromium: Elevated reporting limit(s) due to matrix interference.

FA1806-1F for Antimony: Elevated reporting limit(s) due to matrix interference.

FA1806-3F for Selenium: Elevated reporting limit(s) due to matrix interference.

FA1806-1F for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1806-1F for Iron: Elevated reporting limit(s) due to matrix interference.

FA1806-1F for Magnesium: Elevated reporting limit(s) due to matrix interference.

FA1806-3F for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1806-3F for Magnesium: Elevated reporting limit(s) due to matrix interference.

FA1806-3F for Iron: Elevated reporting limit(s) due to matrix interference.

FA1806-3F for Chromium: Elevated reporting limit(s) due to matrix interference.

FA1806-1F for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1806-3F for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1806-1F for Selenium: Elevated reporting limit(s) due to matrix interference.

FA1806-3F for Antimony: Elevated reporting limit(s) due to matrix interference.

FA1806-3F for Aluminum: Elevated reporting limit(s) due to matrix interference.

FA1806-2F for Selenium: Elevated reporting limit(s) due to matrix interference.

FA1806-2F for Iron: Elevated reporting limit(s) due to matrix interference.

FA1806-2F for Chromium: Elevated reporting limit(s) due to matrix interference.

FA1806-2F for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1806-2F for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1806-2F for Antimony: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54183

All method blanks for this batch meet method specific criteria.

Sample(s) FA1804-4DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA1806-2, FA1806-4.

FA1806-2 for Specific Conductivity: Sample analyzed beyond hold-time.

FA1806-4 for Specific Conductivity: Sample analyzed beyond hold-time.

Matrix: AQ **Batch ID:** GN54206

All method blanks for this batch meet method specific criteria.

Sample(s) FA1806-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA1806-1, FA1806-3.

FA1806-1 for Specific Conductivity: Sample analyzed beyond hold-time.

FA1806-3 for Specific Conductivity: Sample analyzed beyond hold-time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21000

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) FA1804-4MS, FA1804-4MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Fluoride, Sulfate.

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

FA1806-2 for Chloride: Dilution required due to matrix interference.

FA1806-2 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21005

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) FA1800-2MS, FA1800-2MSD 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. Refer to lab control or spike blank for recovery information.

FA1806-1 for Nitrogen, Nitrate: Sample analyzed beyond hold time. Dilution required due to matrix interference.

FA1806-1 for Chloride: Dilution required due to matrix interference.

FA1806-3 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21008

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method EPA 365.3: FA1806-4

FA1806-4 for Phosphate, Ortho: Sample received near the end of hold. Results considered minimum values.

Matrix: AQ **Batch ID:** GP21034

All method blanks for this batch meet method specific criteria.

Sample(s) FA1806-1FDUP, FA1806-1FMS were used as the QC samples for Phosphate, Ortho.

The following samples were analyzed outside of holding time for method EPA 365.3: FA1806-1F, FA1806-2F, FA1806-3F.

Matrix Spike 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.

FA1806-1F for Phosphate, Ortho: Originally ran on GN54219. Re-run on dilution due to matrix interference.

FA1806-2F for Phosphate, Ortho: Originally ran on GN54219. Re-run on dilution due to matrix interference.

FA1806-3F for Phosphate, Ortho: Originally ran on GN54219. Re-run on dilution due to matrix interference.

Wet Chemistry By Method EPA 365.3

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:** GN54184

Sample(s) FA1807-2DUP was used as the QC sample for pH.

FA1806-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA1806-4 for pH: Field analysis required. Received out of hold time and analyzed by request.

Matrix: AQ **Batch ID:** GN54207

Sample(s) FA1806-1DUP was used as the QC sample for pH.

FA1806-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA1806-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54409

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1804-1DUP, FA1804-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54272

All method blanks for this batch meet method specific criteria.

Sample(s) FA1804-4DUP was used as the QC sample for Solids, Total Dissolved.

FA1806-1 for Solids, Total Dissolved: Confirmed by reanalysis in GN54322.

FA1806-2 for Solids, Total Dissolved: Confirmed by reanalysis in GN54322.

FA1806-3 for Solids, Total Dissolved: Confirmed by reanalysis in GN54322.

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 4, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1806
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/15/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1806-1	**A-43-17**					
Chloride [a]		58.0 J	100	40	mg/l	EPA 300/SW846 9056A
Fluoride		2250	100	30	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		3370	2500	700	mg/l	EPA 365.3
Solids, Total Dissolved [b]		15600	500	50	mg/l	SM19 2540C
Specific Conductivity [c]		8620	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		3480	100	30	mg/l	EPA 300/SW846 9056A
pH [d]		2.59			su	SM 4500H B/SW 9040C
FA1806-1F	**A-43-17**					
Aluminum		1230000	2000	150	ug/l	SW846 6010C
Antimony [e]		14.2 J	60	13	ug/l	SW846 6010C
Arsenic [e]		281	100	25	ug/l	SW846 6010C
Cadmium [e]		3780	50	5.0	ug/l	SW846 6010C
Calcium		818000	10000	500	ug/l	SW846 6010C
Chromium [e]		1900	100	20	ug/l	SW846 6010C
Iron [e]		156000	3000	290	ug/l	SW846 6010C
Magnesium [e]		260000	50000	740	ug/l	SW846 6010C
Potassium		533000	100000	2000	ug/l	SW846 6010C
Selenium [e]		27.8 J	100	20	ug/l	SW846 6010C
Sodium		705000	100000	5000	ug/l	SW846 6010C
Phosphate, Ortho [f]		1430	500	95	mg/l	EPA 365.3
FA1806-2	**A-44-24**					
Chloride [a]		70.6 J	100	40	mg/l	EPA 300/SW846 9056A
Fluoride		906	40	12	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		472	100	28	mg/l	EPA 365.3
Solids, Total Dissolved [b]		11200	500	50	mg/l	SM19 2540C
Specific Conductivity [c]		7670	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		5260	400	120	mg/l	EPA 300/SW846 9056A
pH [d]		3.24			su	SM 4500H B/SW 9040C
FA1806-2F	**A-44-24**					
Aluminum		537000	1000	75	ug/l	SW846 6010C
Arsenic [e]		227	50	13	ug/l	SW846 6010C
Cadmium [e]		3320	25	2.5	ug/l	SW846 6010C
Calcium		543000	5000	250	ug/l	SW846 6010C
Chromium [e]		310	50	10	ug/l	SW846 6010C
Iron [e]		365000	1500	150	ug/l	SW846 6010C
Magnesium		503000	25000	370	ug/l	SW846 6010C
Potassium		241000	50000	1000	ug/l	SW846 6010C

Summary of Hits

Job Number: FA1806
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/15/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Selenium [e]		14.6 J	50	10	ug/l	SW846 6010C
Sodium		802000	200000	10000	ug/l	SW846 6010C
Phosphate, Ortho [f]		415 J	500	95	mg/l	EPA 365.3
FA1806-3	**A-42-20**					
Chloride		144	100	40	mg/l	EPA 300/SW846 9056A
Fluoride		998	40	12	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [c]		7.8	5.0	2.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		6100	5000	1400	mg/l	EPA 365.3
Solids, Total Dissolved [b]		16700	500	50	mg/l	SM19 2540C
Specific Conductivity [c]		8880	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		2210	100	30	mg/l	EPA 300/SW846 9056A
pH [d]		2.65			su	SM 4500H B/SW 9040C
FA1806-3F	**A-42-20**					
Aluminum [e]		441000	1000	75	ug/l	SW846 6010C
Antimony [e]		27.4 J	30	6.5	ug/l	SW846 6010C
Arsenic [e]		405	50	13	ug/l	SW846 6010C
Cadmium [e]		3640	25	2.5	ug/l	SW846 6010C
Calcium		1060000	5000	250	ug/l	SW846 6010C
Chromium [e]		3480	50	10	ug/l	SW846 6010C
Iron [e]		162000	1500	150	ug/l	SW846 6010C
Magnesium [e]		437000	25000	370	ug/l	SW846 6010C
Potassium		250000	50000	1000	ug/l	SW846 6010C
Selenium [e]		16.1 J	50	10	ug/l	SW846 6010C
Sodium		522000	100000	5000	ug/l	SW846 6010C
Phosphate, Ortho [f]		3070	1000	200	mg/l	EPA 365.3
FA1806-4	**EB-WATER-2/15/13**					
Aluminum		1260	200	15	ug/l	SW846 6010C
Cadmium		3.5 J	5.0	0.50	ug/l	SW846 6010C
Calcium		1460	1000	50	ug/l	SW846 6010C
Iron		831	300	29	ug/l	SW846 6010C
Magnesium		539 J	5000	74	ug/l	SW846 6010C
Potassium		438 J	10000	200	ug/l	SW846 6010C
Selenium		2.3 J	10	2.0	ug/l	SW846 6010C
Sodium		665 J	10000	500	ug/l	SW846 6010C
Fluoride		0.23	0.20	0.060	mg/l	EPA 300/SW846 9056A
Phosphate, Ortho [g]		2.2	0.50	0.020	mg/l	EPA 365.3
Phosphorus, Total		2.0	0.50	0.14	mg/l	EPA 365.3
Solids, Total Dissolved		10.0 J	100	10	mg/l	SM19 2540C
Specific Conductivity [c]		5.3	1.0	1.0	umhos/cm	EPA 120.1

Summary of Hits

Job Number: FA1806
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/15/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
pH [d]		5.51			su	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Confirmed by reanalysis in GN54322.
(c) Sample analyzed beyond hold time.
(d) Field analysis required. Received out of hold time and analyzed by request.
(e) Elevated reporting limit(s) due to matrix interference.
(f) Originally ran on GN54219. Re-run on dilution due to matrix interference.
(g) Sample received near the end of hold. Results considered minimum values.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-43-17		
Lab Sample ID:	FA1806-1	**Date Sampled:**	02/15/13
Matrix:	AQ - Water	**Date Received:**	02/16/13
		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	02/28/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/28/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/28/13 07:15	AC	SM19 2320B
Chloride [a]	58.0 J	100	40	mg/l	50	02/18/13 19:04	AA	EPA 300/SW846 9056A
Fluoride	2250	100	30	mg/l	500	02/19/13 15:10	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	2.5 U	5.0	2.5	mg/l	50	02/18/13 19:04	AA	EPA 300/SW846 9056A
Phosphorus, Total	3370	2500	700	mg/l	25000	02/27/13 11:00	LE	EPA 365.3
Solids, Total Dissolved [c]	15600	500	50	mg/l	5	02/22/13 13:30	KC	SM19 2540C
Specific Conductivity [d]	8620	1.0	1.0	umhos/cm	1	02/18/13 11:40	AA	EPA 120.1
Sulfate	3480	100	30	mg/l	50	02/18/13 19:04	AA	EPA 300/SW846 9056A
pH [e]	2.59			su	1	02/18/13 11:35	AA	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample analyzed beyond hold time. Dilution required due to matrix interference.
(c) Confirmed by reanalysis in GN54322.
(d) Sample analyzed beyond hold time.
(e) 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-43-17		
Lab Sample ID:	FA1806-1F	**Date Sampled:**	02/15/13
Matrix:	AQ - Water Filtered	**Date Received:**	02/16/13
		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	1230000	2000	150	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	14.2 J	60	13	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	281	100	25	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	3780	50	5.0	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	818000	10000	500	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	1900	100	20	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron [a]	156000	3000	290	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium [a]	260000	50000	740	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	533000	100000	2000	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	27.8 J	100	20	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	705000	100000	5000	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10544
(2) Prep QC Batch: MP24630

(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-43-17		
Lab Sample ID:	FA1806-1F	**Date Sampled:**	02/15/13
Matrix:	AQ - Water Filtered	**Date Received:**	02/16/13
		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 [a]	1430	500	95	mg/l	5000	02/21/13 15:30	VK	EPA 365.3

(a) Originally ran on GN54219. Re-run on dilution 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-44-24
Lab Sample ID: FA1806-2 **Date Sampled:** 02/15/13
Matrix: AQ - Water **Date Received:** 02/16/13
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	02/28/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/28/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/28/13 07:15	AC	SM19 2320B
Chloride [a]	70.6 J	100	40	mg/l	50	02/16/13 14:01	AA	EPA 300/SW846 9056A
Fluoride	906	40	12	mg/l	200	02/18/13 18:00	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	2.5 U	5.0	2.5	mg/l	50	02/16/13 14:01	AA	EPA 300/SW846 9056A
Phosphorus, Total	472	100	28	mg/l	1000	02/27/13 11:00	LE	EPA 365.3
Solids, Total Dissolved [b]	11200	500	50	mg/l	5	02/22/13 13:30	KC	SM19 2540C
Specific Conductivity [c]	7670	1.0	1.0	umhos/cm	1	02/16/13 14:45	AC	EPA 120.1
Sulfate	5260	400	120	mg/l	200	02/18/13 18:00	AA	EPA 300/SW846 9056A
pH [d]	3.24			su	1	02/16/13 14:30	AC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Confirmed by reanalysis in GN54322.
(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-44-24		
Lab Sample ID:	FA1806-2F	**Date Sampled:**	02/15/13
Matrix:	AQ - Water Filtered	**Date Received:**	02/16/13
		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	537000	1000	75	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	6.5 U	30	6.5	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	227	50	13	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	3320	25	2.5	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	543000	5000	250	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	310	50	10	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron [a]	365000	1500	150	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	503000	25000	370	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	241000	50000	1000	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	14.6 J	50	10	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	802000	200000	10000	ug/l	20	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10544
(2) Prep QC Batch: MP24630

(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-44-24		
Lab Sample ID:	FA1806-2F	**Date Sampled:**	02/15/13
Matrix:	AQ - Water Filtered	**Date Received:**	02/16/13
		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 [a]	415 J	500	95	mg/l	5000	02/21/13 15:30	VK	EPA 365.3

(a) Originally ran on GN54219. Re-run on dilution 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-42-20		
Lab Sample ID:	FA1806-3	**Date Sampled:**	02/15/13
Matrix:	AQ - Water	**Date Received:**	02/16/13
		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	02/28/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/28/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/28/13 07:15	AC	SM19 2320B
Chloride	144	100	40	mg/l	50	02/18/13 19:20	AA	EPA 300/SW846 9056A
Fluoride	998	40	12	mg/l	200	02/19/13 15:26	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	7.8	5.0	2.5	mg/l	50	02/18/13 19:20	AA	EPA 300/SW846 9056A
Phosphorus, Total	6100	5000	1400	mg/l	50000	02/27/13 11:00	LE	EPA 365.3
Solids, Total Dissolved [b]	16700	500	50	mg/l	5	02/22/13 13:30	KC	SM19 2540C
Specific Conductivity [a]	8880	1.0	1.0	umhos/cm	1	02/18/13 11:40	AA	EPA 120.1
Sulfate	2210	100	30	mg/l	50	02/18/13 19:20	AA	EPA 300/SW846 9056A
pH [c]	2.65			su	1	02/18/13 11:35	AA	SM 4500H B/SW 9040C

(a) Sample analyzed beyond hold time.
(b) Confirmed by reanalysis in GN54322.
(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-42-20		
Lab Sample ID:	FA1806-3F	**Date Sampled:**	02/15/13
Matrix:	AQ - Water Filtered	**Date Received:**	02/16/13
		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 [a]	441000	1000	75	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	27.4 J	30	6.5	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	405	50	13	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	3640	25	2.5	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	1060000	5000	250	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	3480	50	10	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron [a]	162000	1500	150	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium [a]	437000	25000	370	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	250000	50000	1000	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	16.1 J	50	10	ug/l	5	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	522000	100000	5000	ug/l	10	02/18/13	02/19/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10544
(2) Prep QC Batch: MP24630

(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-42-20		
Lab Sample ID:	FA1806-3F	**Date Sampled:**	02/15/13
Matrix:	AQ - Water Filtered	**Date Received:**	02/16/13
		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 [a]	3070	1000	200	mg/l	10000	02/21/13 15:30	VK	EPA 365.3

(a) Originally ran on GN54219. Re-run on dilution 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:	EB-WATER-2/15/13		
Lab Sample ID:	FA1806-4	**Date Sampled:**	02/15/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/16/13
		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	1260	200	15	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	3.5 J	5.0	0.50	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	1460	1000	50	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	831	300	29	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	539 J	5000	74	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	438 J	10000	200	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.3 J	10	2.0	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	665 J	10000	500	ug/l	1	02/18/13	02/18/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10541
(2) Prep QC Batch: MP24630

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:	EB-WATER-2/15/13		
Lab Sample ID:	FA1806-4	**Date Sampled:**	02/15/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/16/13
		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	02/28/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	02/28/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	02/28/13 07:15	AC	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	02/16/13 16:08	AA	EPA 300/SW846 9056A
Fluoride	0.23	0.20	0.060	mg/l	1	02/18/13 18:16	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	02/16/13 16:08	AA	EPA 300/SW846 9056A
Phosphate, Ortho [a]	2.2	0.50	0.020	mg/l	5	02/19/13 12:00	JA	EPA 365.3
Phosphorus, Total	2.0	0.50	0.14	mg/l	5	02/27/13 11:00	LE	EPA 365.3
Solids, Total Dissolved	10.0 J	100	10	mg/l	1	02/22/13 13:30	KC	SM19 2540C
Specific Conductivity [b]	5.3	1.0	1.0	umhos/cm	1	02/16/13 14:45	AC	EPA 120.1
Sulfate	0.60 U	2.0	0.60	mg/l	1	02/16/13 16:08	AA	EPA 300/SW846 9056A
pH [c]	5.51			su	1	02/16/13 14:30	AC	SM 4500H B/SW 9040C

(a) Sample received near the end of hold. Results considered minimum values.
(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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY RECORD

FA1806

Page ____ of ____

Nº 04248

Project Number: 36785-01

Site and Location: AGRIUM SODA SPRINGS ID

Contact Name: TIM. HUFF@WSPGROUP.COM

Contact Email:

Sampler's Name: STEVEN DAWSON

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	METALS (A)	GENERAL CHEM (B)	DISSOLVED ORTHOPHOSPHATE	TOTAL PHOSPHORUS	TOTAL METALS	TOTAL ORTHO PHOS				Remarks
1	A-43-17			1030	AQ		X	X	X	X						FIELD FILTERED
2	A-44-24			1100	AQ		X	X	X	X						FIELD FILTERED
3	A-42-20			1130	AQ		X	X	X	X						FIELD FILTERED
4	EB-WATER-2/15/13							X		X	X	X				

(A) Al, ANTIMONY, ARSENIC, Cd, Ca, Cr, Fe, Mg, K, Na, SELENIUM

(B) pH, CHLORIDE, FLORIDE, NITRATE, BICARBONATE, CARBONATE, ALKALINITY, TDS, SPECIFIC CONDUCTANCE

Relinquished by (Signature):	Date | Time	Received by (Signature): FP	Laboratory Name: ACCUTEST
Relinquished by (Signature): FP	Date | Time 02-16-13 900	Received by (Signature): [illegible] ACSE	Laboratory Location: ORLANDO FL
Turn-Around Time: STD		Tracking Number:	Custody Seal Numbers: 01562
			Method of Shipment: FEDEX

WSP

WSP Environment & Energy

2-8

- [x] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA1806: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1806 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 02-16-13 900 (MM/DD/YY 24:00) NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3227 7959

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [x] 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: No date on COC 02-15-13. No Matrix Sample #4 AQ time is 12:00

TECHNICIAN SIGNATURE/DATE [signature] 02-16-13 REVIEWER SIGNATURE/DATE [signature] 02/18/13

NF 12/10 receipt confirmation 122910.xls

5.1

5

FA1806: Chain of Custody

Page 2 of 2

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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:09	MA10541-STD1	1		STDA
08:13	MA10541-STD2	1		STDB
08:18	MA10541-STD3	1		STDC
08:22	MA10541-STD4	1		STDD
08:26	MA10541-HSTD1	1		
08:33	MA10541-ICV1	1		
08:40	MA10541-ICB1	1		
09:05	MA10541-CRIA1	1		
09:13	MA10541-ICSA1	1		
09:20	MA10541-ICSAB1	1		
09:30	MA10541-CCV1	1		
09:39	MA10541-CCB1	1		
10:02	MA10541-CCV2	1		
10:11	MA10541-CCB2	1		
10:15	MP24625-MB1	1		
10:20	MP24625-B1	1		
10:24	FA1719-9	1		(sample used for QC only; not part of login FA1806)
10:28	MP24625-D1	1		
10:33	MP24625-SD1	5		
10:37	MP24625-PS1	1		
10:42	MP24625-S1	1		
10:46	MP24625-S2	1		
10:59	MA10541-CCV3	1		
11:04	MA10541-CCB3	1		
11:08	ZZZZZZ	1		
11:22	ZZZZZZ	25		
11:26	ZZZZZZ	25		
11:31	ZZZZZZ	20		
11:35	FA1702-1	5		(sample used for QC only; not part of login FA1806)
11:40	MP24619-D1	5		
11:44	MP24619-S1	5		
11:49	MP24619-S2	5		
11:53	MA10541-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:58	MA10541-CCB4	1		
12:02	MP24619-PS1	5		
12:07	MP24619-SD1	25		
12:11	MP24627-MB1	1		
12:16	MP24627-B1	1		
12:20	FA1812-1	1		(sample used for QC only; not part of login FA1806)
12:25	MP24627-D1	1		
12:29	MP24627-SD1	5		
12:34	MP24627-PS1	1		
12:38	MP24627-S1	1		
12:43	MP24627-S2	1		
12:47	MA10541-CCV5	1		
12:51	MA10541-CCB5	1		
12:57	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:42	MA10541-CCV6	1		
13:46	MA10541-CCB6	1		
14:18	MA10541-CCV7	1		
14:27	MA10541-CCB7	1		
14:31	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:41	MP24630-MB1	1		
14:45	MP24630-B1	1		
14:50	FA1784-1	1		(sample used for QC only; not part of login FA1806)
14:54	MP24630-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:59	MP24630-SD1	5		
15:03	MP24630-PS1	1		
15:08	MP24630-S1	1		
15:12	MP24630-S2	1		
15:16	MA10541-CCV8	1		
15:20	MA10541-CCB8	1		
15:25	ZZZZZZ	1		
15:29	ZZZZZZ	1		
15:34	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:10	MA10541-CCV9	1		
16:14	MA10541-CCB9	1		
16:19	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:28	FA1806-4	1		
---------->	Last reportable sample/prep for job FA1806			
16:47	ZZZZZZ	1		
16:52	MA10541-CRIA2	1		
16:56	MA10541-ICSA2	1		
17:01	MA10541-ICSAB2	1		
17:06	MA10541-CCV10	1		
17:10	MA10541-CCB10	1		
---------->	Last reportable CCB for job FA1806			
17:14	MA10541-CCV11	1		
17:19	MA10541-CCB11	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:09	MA10541-STD1	2147	17856	6767	1236
08:13	MA10541-STD2	2098	17268	6684	1131
08:18	MA10541-STD3	2026	16604	6585	1025
08:22	MA10541-STD4	1959	16213	6543	946
08:26	MA10541-HSTD1	1957	16118	6491	945
08:33	MA10541-ICV1	2040	16540	6634	1021
08:40	MA10541-ICB1	2133 R	17308 R	6706 R	1208 R
09:05	MA10541-CRIA1	2089	16537	6635	1128
09:13	MA10541-ICSA1	1843	14098	6293	848
09:20	MA10541-ICSAB1	1860	14199	6347	845
09:30	MA10541-CCV1	2018	15622	6549	984
09:39	MA10541-CCB1	2107	16374	6592	1161
10:02	MA10541-CCV2	1987	15333	6546	969
10:11	MA10541-CCB2	2077	16129	6665	1146
10:15	MP24625-MB1	2105	16410	6769	1160
10:20	MP24625-B1	2042	15659	6702	1028
10:24	FA1719-9	2211	16953	7089	1107
10:28	MP24625-D1	2214	16955	7085	1102
10:33	MP24625-SD1	2135	16375	6787	1137
10:37	MP24625-PS1	2169	16605	7064	1061
10:42	MP24625-S1	2120	16162	6960	1003
10:46	MP24625-S2	2156	16390	7083	1001
10:59	MA10541-CCV3	1999	15157	6572	963
11:04	MA10541-CCB3	2076	15797	6617	1132
11:08	ZZZZZZ	2913	21692	9582	1016
11:22	ZZZZZZ	2081	15367	6718	984
11:26	ZZZZZZ	2105	15634	6880	961
11:31	ZZZZZZ	2044	15085	6684	983
11:35	FA1702-1	1879	14136	6331	898
11:40	MP24619-D1	1882	14201	6382	901
11:44	MP24619-S1	1914	14395	6381	898
11:49	MP24619-S2	1890	14151	6347	879
11:53	MA10541-CCV4	1968	14687	6448	938

INTERNAL STANDARD SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:58	MA10541-CCB4	2071	15447	6536	1112
12:02	MP24619-PS1	1874	14022	6295	892
12:07	MP24619-SD1	1967	14828	6519	1010
12:11	MP24627-MB1	2057	15861	6679	1124
12:16	MP24627-B1	1979	14859	6619	986
12:20	FA1812-1	2287	16996	7623	1003
12:25	MP24627-D1	2248	16834	7446	1009
12:29	MP24627-SD1	2095	15800	6635	1062
12:34	MP24627-PS1	2253	17177	7511	995
12:38	MP24627-S1	2126	16318	7148	973
12:43	MP24627-S2	2170	16598	7344	964
12:47	MA10541-CCV5	1946	14873	6501	939
12:51	MA10541-CCB5	2032	15676	6620	1108
12:57	ZZZZZZ	2229	16886	7425	1006
13:02	ZZZZZZ	2322	17609	7505	1039
13:06	ZZZZZZ	5004 !	38187 !	16816 !	893
13:11	ZZZZZZ	2502	19688	8582	974
13:15	ZZZZZZ	2061	15894	6752	1046
13:20	ZZZZZZ	1850	14536	7179	568
13:24	ZZZZZZ	2075	16042	6819	1060
13:29	ZZZZZZ	2059	15822	6636	1042
13:33	ZZZZZZ	2056	15902	6629	1061
13:38	ZZZZZZ	1870	14748	7352	543
13:42	MA10541-CCV6	1935	15017	6518	937
13:46	MA10541-CCB6	2016	15608	6582	1103
14:18	MA10541-CCV7	1891	14717	6351	932
14:27	MA10541-CCB7	1990	15718	6581	1102
14:31	ZZZZZZ	2457	19350	8751	909
14:36	ZZZZZZ	2526	19527	8582	928
14:41	MP24630-MB1	1994	15977	6512	1123
14:45	MP24630-B1	1917	15222	6528	978
14:50	FA1784-1	1886	15218	6631	991
14:54	MP24630-D1	1889	14996	6441	986

INTERNAL STANDARD SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10541
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:59	MP24630-SD1	1954	15465	6406	1075
15:03	MP24630-PS1	1859	14903	6380	973
15:08	MP24630-S1	1839	14869	6460	925
15:12	MP24630-S2	1840	14885	6541	924
15:16	MA10541-CCV8	1899	15006	6457	933
15:20	MA10541-CCB8	1973	15639	6354	1111
15:25	ZZZZZZ	1816	14756	6448	947
15:29	ZZZZZZ	1956	15741	6808	982
15:34	ZZZZZZ	1863	14997	6550	981
15:38	ZZZZZZ	2560	20166	8722	914
15:43	ZZZZZZ	2483	19919	8695	913
15:47	ZZZZZZ	1954	15904	6641	1076
15:52	ZZZZZZ	1985	15937	6697	1064
15:56	ZZZZZZ	1885	14871	6429	929
16:01	ZZZZZZ	1924	15490	6475	1046
16:06	ZZZZZZ	1940	15678	6614	1051
16:10	MA10541-CCV9	1888	14971	6473	927
16:14	MA10541-CCB9	1975	15725	6398	1111
16:19	ZZZZZZ	1849	15061	6431	1001
16:23	ZZZZZZ	1751	14148	6312	875
16:28	FA1806-4	1986	15956	6661	1100
16:47	ZZZZZZ	1952	15751	6661	1060
16:52	MA10541-CRIA2	1943	15360	6335	1059
16:56	MA10541-ICSA2	1715	13319	5950	802
17:01	MA10541-ICSAB2	1722	13535	6111	793
17:06	MA10541-CCV10	1886	15147	6421	931
17:10	MA10541-CCB10	1989	16019	6597	1108
17:14	MA10541-CCV11	1886	14903	6305	935
17:19	MA10541-CCB11	1976	15796	6329	1117

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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10541 Units: ug/l

Time:			08:40		09:39		10:11		11:04	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	4.8	<200	3.4	<200	4.0	<200	11.2	<200
Antimony	6.0	1.3	-0.40	<6.0	-1.5	<6.0	1.4	<6.0	0.20	<6.0
Arsenic	10	1.6	1.1	<10	0.20	<10	-0.40	<10	-1.1	<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	3.0	<1000	5.1	<1000	5.5	<1000	5.3	<1000
Chromium	10	1.8	-0.20	<10	0.10	<10	0.0	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-3.2	<300	0.50	<300	4.8	<300	18.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	7.8	<5000	20.7	<5000	-4.6	<5000	-21	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	-22	<10000	-38	<10000	-1.4	<10000	16.2	<10000
Selenium	10	2	1.4	<10	-0.40	<10	1.4	<10	2.1	<10
Silver	10	.5	anr							
Sodium	10000	500	0.10	<10000	2.6	<10000	2.9	<10000	8.7	<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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10541 Units: ug/l

Time:			11:58		12:51		13:46		14:27	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.9	<200	4.3	<200	5.2	<200	1.0	<200
Antimony	6.0	1.3	-1.0	<6.0	0.70	<6.0	-0.50	<6.0	1.0	<6.0
Arsenic	10	1.6	-1.1	<10	0.50	<10	-0.50	<10	-0.20	<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	0.10	<5.0
Calcium	1000	50	8.6	<1000	4.2	<1000	56.7	<1000	-3.8	<1000
Chromium	10	1.8	0.0	<10	-0.20	<10	-0.50	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	12.6	<300	15.4	<300	9.1	<300	9.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-13	<5000	-0.80	<5000	-5.8	<5000	5.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	20.7	<10000	3.4	<10000	19.9	<10000	15.4	<10000
Selenium	10	2	1.7	<10	3.2	<10	1.0	<10	1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	18.4	<10000	17.5	<10000	20.1	<10000	10.8	<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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10541 Units: ug/l

Time:			15:20		16:14		17:10	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	-1.7	<200	6.9	<200	5.9	<200
Antimony	6.0	1.3	1.3	<6.0	1.5	<6.0	0.70	<6.0
Arsenic	10	1.6	-0.60	<10	-0.30	<10	-0.90	<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
Calcium	1000	50	-1.2	<1000	4.4	<1000	12.3	<1000
Chromium	10	1.8	0.20	<10	-0.30	<10	-0.20	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	12.6	<300	15.1	<300	25.9	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	3.1	<5000	5.9	<5000	27.8	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6	anr					
Nickel	40	.5	anr					
Potassium	10000	200	6.2	<10000	4.2	<10000	36.3	<10000
Selenium	10	2	1.4	<10	0.60	<10	1.2	<10
Silver	10	.5	anr					
Sodium	10000	500	8.1	<10000	11.0	<10000	14.1	<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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		08:33			09:30			10:02	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	39200	98.0	40000	40600	101.5
Antimony	2000	2000	100.0	2000	1990	99.5	2000	2060	103.0
Arsenic	2000	1970	98.5	2000	2010	100.5	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Calcium	40000	42500	106.3	40000	41700	104.3	40000	40100	100.3
Chromium	2000	2050	102.5	2000	2100	105.0	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	41900	104.8	40000	40400	101.0	40000	40400	101.0
Lead	anr								
Magnesium	40000	41400	103.5	40000	41800	104.5	40000	39900	99.8
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41700	104.3	40000	41600	104.0	40000	41100	102.8
Selenium	2000	2030	101.5	2000	1980	99.0	2000	2050	102.5
Silver	anr								
Sodium	40000	38100	95.3	40000	41400	103.5	40000	41200	103.0
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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		10:59			11:53			12:47	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	39900	99.8	40000	40600	101.5
Antimony	2000	2050	102.5	2000	2040	102.0	2000	2100	105.0
Arsenic	2000	2040	102.0	2000	2040	102.0	2000	2080	104.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2040	102.0	2000	2060	103.0
Calcium	40000	40800	102.0	40000	41200	103.0	40000	40900	102.3
Chromium	2000	2040	102.0	2000	2060	103.0	2000	2060	103.0
Cobalt	anr								
Copper	anr								
Iron	40000	40300	100.8	40000	40300	100.8	40000	40500	101.3
Lead	anr								
Magnesium	40000	40500	101.3	40000	41000	102.5	40000	40600	101.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41400	103.5	40000	41700	104.3	40000	42000	105.0
Selenium	2000	2050	102.5	2000	2030	101.5	2000	2100	105.0
Silver	anr								
Sodium	40000	41400	103.5	40000	41600	104.0	40000	42100	105.3
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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		13:42			14:18			15:16	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	41300	103.3	40000	40800	102.0
Antimony	2000	2100	105.0	2000	2040	102.0	2000	2030	101.5
Arsenic	2000	2090	104.5	2000	2040	102.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2080	104.0	2000	2040	102.0	2000	2040	102.0
Calcium	40000	40900	102.3	40000	40200	100.5	40000	40400	101.0
Chromium	2000	2060	103.0	2000	2050	102.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	40300	100.8	40000	41200	103.0	40000	40800	102.0
Lead	anr								
Magnesium	40000	40200	100.5	40000	40300	100.8	40000	40000	100.0
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41800	104.5	40000	40700	101.8	40000	40600	101.5
Selenium	2000	2110	105.5	2000	2050	102.5	2000	2060	103.0
Silver	anr								
Sodium	40000	41900	104.8	40000	40800	102.0	40000	40700	101.8
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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10541 Units: ug/l

Time:		16:10			17:06	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40700	101.8	40000	41400	103.5
Antimony	2000	2040	102.0	2000	2060	103.0
Arsenic	2000	2050	102.5	2000	2050	102.5
Barium	anr					
Beryllium	anr					
Cadmium	2000	2050	102.5	2000	2070	103.5
Calcium	40000	40300	100.8	40000	40300	100.8
Chromium	2000	2010	100.5	2000	2010	100.5
Cobalt	anr					
Copper	anr					
Iron	40000	40700	101.8	40000	41100	102.8
Lead	anr					
Magnesium	40000	39800	99.5	40000	39800	99.5
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	40000	40600	101.5	40000	40400	101.0
Selenium	2000	2060	103.0	2000	2080	104.0
Silver	anr					
Sodium	40000	40600	101.5	40000	40600	101.5
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10541 Units: ug/l

Time:		08:26	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80400	100.5
Antimony	4000	4010	100.3
Arsenic	4000	4010	100.3
Barium	anr		
Beryllium	anr		
Cadmium	4000	3970	99.3
Calcium	80000	80700	100.9
Chromium	4000	3980	99.5
Cobalt	anr		
Copper	anr		
Iron	80000	80100	100.1
Lead	anr		
Magnesium	80000	81400	101.8
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	80500	100.6
Selenium	4000	4000	100.0
Silver	anr		
Sodium	80000	80400	100.5
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10541 Units: ug/l

Time:			09:05		16:52	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	201	100.5	216	108.0
Antimony	10	5.0	4.1	82.0	7.3	146.0*(a
Arsenic	20	10	11.5	115.0	10.9	109.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.3	106.0	5.5	110.0
Calcium	2000	1000	1070	107.0	1050	105.0
Chromium	20	10	10.8	108.0	10.8	108.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	320	106.7	341	113.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5180	103.6	5110	102.2
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	10400	104.0	10400	104.0
Selenium	20	10	11.2	112.0	10.3	103.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10300	103.0
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
(a) Possible instrument baseline drift.

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

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA021813M1.ICP Date Analyzed: 02/18/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10541 Units: ug/l

Time:			09:13		09:20		16:56		17:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	499000	99.8	493000	98.6	534000	106.8	530000	106.0
Antimony		1000	-0.10		1000	100.0	-0.90		1040	104.0
Arsenic		1000	0.0		1000	100.0	-2.8		1040	104.0
Barium		500	0.0		497	99.4	-0.40		489	97.8
Beryllium		500	-0.10		475	95.0	-0.10		470	94.0
Cadmium		1000	-0.40		847	84.7	0.0		875	87.5
Calcium	500000	500000	494000	98.8	485000	97.0	482000	96.4	472000	94.4
Chromium		500	-0.10		454	90.8	-0.20		445	89.0
Cobalt		500	-0.60		438	87.6	-0.40		423	84.6
Copper		500	0.0		542	108.4	1.5		496	99.2
Iron	200000	200000	183000	91.5	178000	89.0	190000	95.0	185000	92.5
Lead		1000	-0.20		881	88.1	1.9		863	86.3
Magnesium	500000	500000	525000	105.0	522000	104.4	514000	102.8	505000	101.0
Manganese		500	0.60		479	95.8	0.70		455	91.0
Molybdenum		1000	0.30		1010	101.0	1.1		964	96.4
Nickel		1000	0.70		845	84.5	1.0		852	85.2
Potassium			-26		-40		94.8		71.4	
Selenium		1000	0.0		951	95.1	-0.10		1020	102.0
Silver		1000	0.0		1070	107.0	-0.40		932	93.2
Sodium			77.4		75.7		115		94.8	
Strontium		1000	4.2		1080	108.0	4.3		1070	107.0
Thallium		1000	1.3		946	94.6	3.1		932	93.2
Tin		1000	0.0		913	91.3	0.40		905	90.5
Titanium		1000	-1.9		1100	110.0	-1.1		1030	103.0
Vanadium		500	-0.80		495	99.0	-0.80		453	90.6
Zinc		1000	0.50		865	86.5	-0.10		868	86.8

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:05	MA10544-STD1	1		STDA
08:09	MA10544-STD2	1		STDB
08:12	MA10544-STD3	1		STDC
08:16	MA10544-STD4	1		STDD
08:20	MA10544-HSTD1	1		
08:28	MA10544-ICV1	1		
08:37	MA10544-ICB1	1		
08:42	MA10544-CRIA1	1		
08:52	MA10544-ICSA1	1		
09:00	MA10544-ICSAB1	1		
09:08	MA10544-CCV1	1		
09:17	MA10544-CCB1	1		
09:21	MP24632-MB1	1		
09:25	MP24632-B1	1		
09:33	FA1781-1	1		(sample used for QC only; not part of login FA1806)
09:37	MP24632-D1	1		
09:41	MP24632-SD1	5		
09:45	MP24632-PS1	1		
09:50	MP24632-S1	1		
09:54	MP24632-S2	1		
09:58	ZZZZZZ	1		
10:02	MA10544-CCV2	1		
10:06	MA10544-CCB2	1		
10:10	ZZZZZZ	1		
10:14	ZZZZZZ	1		
10:18	ZZZZZZ	1		
10:23	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:53	MA10544-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:57	MA10544-CCB3	1		
11:02	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:10	ZZZZZZ	1		
11:14	ZZZZZZ	1		
11:19	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:27	ZZZZZZ	1		
11:44	MA10544-CCV4	1		
11:48	MA10544-CCB4	1		
12:34	MA10544-CCV5	1		
12:38	MA10544-CCB5	1		
12:51	MP24624-S1	1		
12:55	ZZZZZZ	5		
12:59	ZZZZZZ	5		
13:03	ZZZZZZ	2		
13:07	ZZZZZZ	10		
13:11	ZZZZZZ	2		
13:16	ZZZZZZ	2		
13:20	ZZZZZZ	2		
13:24	MA10544-CCV6	1		
13:28	MA10544-CCB6	1		
13:32	ZZZZZZ	5		
13:37	ZZZZZZ	5		
13:41	ZZZZZZ	10		
13:45	ZZZZZZ	2		
13:49	ZZZZZZ	2		
13:54	ZZZZZZ	4		
13:58	ZZZZZZ	2		
14:02	ZZZZZZ	4		
14:06	FA1806-1F	10		
14:10	FA1806-2F	20		
14:14	MA10544-CCV7	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	14:18	MA10544-CCB7	1		
	14:22	FA1806-2F	5		
	14:27	FA1806-3F	10		
	14:31	FA1806-3F	5		
---------->	Last reportable sample/prep for job FA1806				
	14:35	MP24638-MB1	1		
	14:39	MP24638-B1	1		
	14:43	FA1713-1L	1		(sample used for QC only; not part of login FA1806)
	14:47	MP24638-D1	1		
	14:52	MP24638-SD1	5		
	14:56	MP24638-S1	1		
	15:00	MP24638-S2	1		
	15:04	MA10544-CCV8	1		
	15:08	MA10544-CCB8	1		
	15:12	ZZZZZZ	1		
	15:16	ZZZZZZ	1		
	15:20	ZZZZZZ	1		
	15:24	ZZZZZZ	1		
	15:28	FA1717-4	1		(sample used for QC only; not part of login FA1806)
	15:32	MP24638-D2	1		
	15:36	MP24638-MB2	1		
	15:41	MP24638-B2	1		
	15:44	MA10544-CRIA2	1		
	15:49	MA10544-ICSA2	1		
	15:53	MA10544-CCV9	1		
	15:57	MA10544-CCB9	1		
	16:01	MA10544-ICSAB2	1		
	16:05	MA10544-CCV10	1		
	16:09	MA10544-CCB10	1		
---------->	Last reportable CCB for job FA1806				

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:05	MA10544-STD1	7558	44201	6555	3138
08:09	MA10544-STD2	7504	44044	6552	2920
08:12	MA10544-STD3	7240	42668	6535	2617
08:16	MA10544-STD4	6990	41471	6501	2370
08:20	MA10544-HSTD1	7013	41630	6528	2374
08:28	MA10544-ICV1	7180	42234	6487	2574
08:37	MA10544-ICB1	7576 R	44456 R	6590 R	3142 R
08:42	MA10544-CRIA1	7510	43498	6516	2992
08:52	MA10544-ICSA1	6647	38150	6340	2291
09:00	MA10544-ICSAB1	6697	38490	6372	2255
09:08	MA10544-CCV1	7304	42225	6501	2590
09:17	MA10544-CCB1	7550	45049	6575	3151
09:21	MP24632-MB1	7506	45198	6632	3117
09:25	MP24632-B1	7426	43843	6712	2794
09:33	FA1781-1	11105 !	63180 !	9808 !	2678
09:37	MP24632-D1	10951 !	63003 !	9734 !	2666
09:41	MP24632-SD1	8435	49345	7371	3009
09:45	MP24632-PS1	10865 !	62817 !	9755 !	2629
09:50	MP24632-S1	10603 !	61457 !	9652 !	2565
09:54	MP24632-S2	10643 !	61104 !	9618 !	2526
09:58	ZZZZZZ	8547	49107	7466	2804
10:02	MA10544-CCV2	7396	43736	6665	2657
10:06	MA10544-CCB2	7490	44827	6603	3126
10:10	ZZZZZZ	7656	45873	6861	2990
10:14	ZZZZZZ	8363	48478	7451	2738
10:18	ZZZZZZ	10683 !	61968 !	9372 !	2819
10:23	ZZZZZZ	33187 !	193090 !	30027 !	2561
10:27	ZZZZZZ	6846	39359	6641	2389
10:31	ZZZZZZ	8752	52375	7937	2910
10:35	ZZZZZZ	8012	45551	7178	2615
10:40	ZZZZZZ	25423 !	147310 !	22960 !	2558
10:49	ZZZZZZ	6443	38186	6096	2322
10:53	MA10544-CCV3	7195	42874	6387	2605

INTERNAL STANDARD SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:57	MA10544-CCB3	7588	45173	6461	3174
11:02	ZZZZZZ	6663	38745	6155	2372
11:06	ZZZZZZ	7493	44592	6310	3111
11:10	ZZZZZZ	6813	40621	6076	2606
11:14	ZZZZZZ	7639	45241	6890	2704
11:19	ZZZZZZ	6980	40490	6384	2600
11:23	ZZZZZZ	7054	40467	6275	2571
11:27	ZZZZZZ	9666 !	56615 !	8318 !	2831
11:44	MA10544-CCV4	7193	41948	6170	2590
11:48	MA10544-CCB4	7525	44837	6371	3167
12:34	MA10544-CCV5	7123	42964	6340	2636
12:38	MA10544-CCB5	7546	44916	6409	3181
12:51	MP24624-S1	7234	43226	6377	2728
12:55	ZZZZZZ	7043	41747	6150	2749
12:59	ZZZZZZ	7380	43516	6325	2855
13:03	ZZZZZZ	6777	40139	6163	2488
13:07	ZZZZZZ	7233	42856	6202	2859
13:11	ZZZZZZ	7759	44941	6638	2703
13:16	ZZZZZZ	7738	45393	6598	2703
13:20	ZZZZZZ	9090	54119	7766	2878
13:24	MA10544-CCV6	7192	43411	6285	2668
13:28	MA10544-CCB6	7434	44148	6159	3146
13:32	ZZZZZZ	6824	40639	6083	2508
13:37	ZZZZZZ	6921	41661	6210	2505
13:41	ZZZZZZ	8758	51924	7313	2972
13:45	ZZZZZZ	8549	49742	7220	2752
13:49	ZZZZZZ	8548	50858	7270	2761
13:54	ZZZZZZ	7972	47830	6831	2922
13:58	ZZZZZZ	8438	50065	7260	2800
14:02	ZZZZZZ	7326	43217	6120	2924
14:06	FA1806-1F	7603	43392	6434	2653
14:10	FA1806-2F	7393	43840	6278	2869
14:14	MA10544-CCV7	7113	42334	6093	2635

INTERNAL STANDARD SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10544
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:18	MA10544-CCB7	7406	44114	6075	3146
14:22	FA1806-2F	7144	40916	6106	2547
14:27	FA1806-3F	7370	43197	6285	2676
14:31	FA1806-3F	7388	42659	6343	2531
14:35	MP24638-MB1	7526	45387	6208	3194
14:39	MP24638-B1	7345	43292	6127	2824
14:43	FA1713-1L	7210	43513	6156	2943
14:47	MP24638-D1	7168	43842	6227	2968
14:52	MP24638-SD1	7358	44582	6192	3140
14:56	MP24638-S1	7053	42340	6083	2726
15:00	MP24638-S2	7001	42138	6047	2713
15:04	MA10544-CCV8	7008	42643	6027	2654
15:08	MA10544-CCB8	7215	44732	6098	3198
15:12	ZZZZZZ	7117	43684	6126	3022
15:16	ZZZZZZ	7359	43488	6169	2886
15:20	ZZZZZZ	7366	43645	6288	2732
15:24	ZZZZZZ	7153	44204	6196	2994
15:28	FA1717-4	7015	42670	6092	2872
15:32	MP24638-D2	7081	42483	6094	2836
15:36	MP24638-MB2	7357	45552	6180	3216
15:41	MP24638-B2	7053	43362	6150	2840
15:44	MA10544-CRIA2	7126	43220	5988	3027
15:49	MA10544-ICSA2	6523	38124	5812	2332
15:53	MA10544-CCV9	6905	42148	5915	2651
15:57	MA10544-CCB9	7123	44283	6084	3184
16:01	MA10544-ICSAB2	6366	37573	5754	2290
16:05	MA10544-CCV10	7056	42283	6003	2658
16:09	MA10544-CCB10	7232	44415	5986	3174

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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10544 Units: ug/l

Time:			08:37		09:17		10:06		10:57	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-5.7	<200	-9.5	<200	-1.7	<200	1.5	<200
Antimony	6.0	1.3	0.0	<6.0	-1.1	<6.0	-0.10	<6.0	0.60	<6.0
Arsenic	10	1.6	0.20	<10	0.70	<10	0.30	<10	0.50	<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	0.10	<5.0
Calcium	1000	50	-1.5	<1000	6.6	<1000	9.7	<1000	14.2	<1000
Chromium	10	1.8	0.30	<10	0.30	<10	0.30	<10	0.80	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	-0.70	<300	5.5	<300	10.3	<300	12.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-5.4	<5000	-4.3	<5000	14.3	<5000	-5.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	21.1	<10000	7.6	<10000	48.1	<10000	170	<10000
Selenium	10	2	0.90	<10	0.80	<10	1.3	<10	1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	1.2	<10000	21.4	<10000	47.0	<10000	191	<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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10544 Units: ug/l

Time:			11:48		12:38		13:28		14:18	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.2	<200	1.5	<200	6.2	<200	-10	<200
Antimony	6.0	1.3	0.0	<6.0	-0.60	<6.0	0.0	<6.0	-0.50	<6.0
Arsenic	10	1.6	0.50	<10	0.20	<10	0.40	<10	0.80	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	23.6	<1000	12.5	<1000	16.3	<1000	3.9	<1000
Chromium	10	1.8	1.0	<10	0.40	<10	0.60	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	19.6	<300	13.0	<300	23.0	<300	5.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	24.9	<5000	7.5	<5000	12.8	<5000	5.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	130	<10000	145	<10000	101	<10000	76.1	<10000
Selenium	10	2	1.0	<10	0.50	<10	1.0	<10	0.80	<10
Silver	10	.5	anr							
Sodium	10000	500	119	<10000	217	<10000	95.6	<10000	85.9	<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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10544 Units: ug/l

Time:			15:08		15:57		16:09	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	-5.3	<200	-3.2	<200	2.8	<200
Antimony	6.0	1.3	0.30	<6.0	0.30	<6.0	0.40	<6.0
Arsenic	10	1.6	0.10	<10	0.30	<10	0.90	<10
Barium	200	1	anr					
Beryllium	4.0	.5	anr					
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	4.0	<1000	8.5	<1000	11.5	<1000
Chromium	10	1.8	0.40	<10	0.50	<10	0.60	<10
Cobalt	50	.5						
Copper	25	1						
Iron	300	29	3.2	<300	7.2	<300	10.7	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	3.3	<5000	9.2	<5000	13.2	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	69.1	<10000	21.6	<10000	39.9	<10000
Selenium	10	2	0.0	<10	0.30	<10	-1.2	<10
Silver	10	.5	anr					
Sodium	10000	500	75.8	<10000	64.9	<10000	63.9	<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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10544 Units: ug/l

Time:		08:28			09:08			10:02	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	40400	101.0	40000	40000	100.0
Antimony	2000	2020	101.0	2000	1950	97.5	2000	1960	98.0
Arsenic	2000	1990	99.5	2000	1940	97.0	2000	1960	98.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	2000	100.0	2000	2000	100.0
Calcium	40000	43200	108.0	40000	40300	100.8	40000	39900	99.8
Chromium	2000	2070	103.5	2000	2040	102.0	2000	1990	99.5
Cobalt									
Copper									
Iron	40000	42800	107.0	40000	41100	102.8	40000	40000	100.0
Lead	anr								
Magnesium	40000	42100	105.3	40000	39700	99.3	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42200	105.5	40000	39400	98.5	40000	39600	99.0
Selenium	2000	2060	103.0	2000	1950	97.5	2000	1970	98.5
Silver	anr								
Sodium	40000	38900	97.3	40000	40700	101.8	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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10544 Units: ug/l

Time:		10:53			11:44			12:34	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	41000	102.5	40000	40200	100.5
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2110	105.5
Arsenic	2000	2040	102.0	2000	2010	100.5	2000	2080	104.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2050	102.5	2000	2040	102.0
Calcium	40000	40300	100.8	40000	40500	101.3	40000	39500	98.8
Chromium	2000	2050	102.5	2000	2070	103.5	2000	2010	100.5
Cobalt									
Copper									
Iron	40000	39900	99.8	40000	40600	101.5	40000	38200	95.5
Lead	anr								
Magnesium	40000	39400	98.5	40000	39300	98.3	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42100	105.3	40000	41700	104.3	40000	42600	106.5
Selenium	2000	2050	102.5	2000	2020	101.0	2000	2100	105.0
Silver	anr								
Sodium	40000	41600	104.0	40000	42100	105.3	40000	41200	103.0
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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10544 Units: ug/l

Time:		13:24			14:14			15:04	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	40000	100.0	40000	40100	100.3
Antimony	2000	2060	103.0	2000	2070	103.5	2000	2150	107.5
Arsenic	2000	2040	102.0	2000	2060	103.0	2000	2120	106.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Calcium	40000	38600	96.5	40000	39200	98.0	40000	39300	98.3
Chromium	2000	1960	98.0	2000	2010	100.5	2000	1980	99.0
Cobalt									
Copper									
Iron	40000	37200	93.0	40000	37900	94.8	40000	37500	93.8
Lead	anr								
Magnesium	40000	38500	96.3	40000	38900	97.3	40000	39400	98.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42100	105.3	40000	42800	107.0	40000	43500	108.8
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2140	107.0
Silver	anr								
Sodium	40000	40400	101.0	40000	41200	103.0	40000	41200	103.0
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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10544 Units: ug/l

Time:		15:53			16:05	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	38800	97.0
Antimony	2000	2190	109.5	2000	2100	105.0
Arsenic	2000	2150	107.5	2000	2050	102.5
Barium	anr					
Beryllium	anr					
Cadmium	2000	2050	102.5	2000	1990	99.5
Calcium	40000	38900	97.3	40000	37900	94.8
Chromium	2000	1980	99.0	2000	1960	98.0
Cobalt						
Copper						
Iron	40000	36800	92.0	40000	36200	90.5
Lead	anr					
Magnesium	40000	39400	98.5	40000	38400	96.0
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	43800	109.5	40000	42400	106.0
Selenium	2000	2170	108.5	2000	2080	104.0
Silver	anr					
Sodium	40000	41000	102.5	40000	40100	100.3
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10544 Units: ug/l

Time:		08:20	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79500	99.4
Antimony	4000	3980	99.5
Arsenic	4000	3990	99.8
Barium	anr		
Beryllium	anr		
Cadmium	4000	3960	99.0
Calcium	80000	79300	99.1
Chromium	4000	3960	99.0
Cobalt			
Copper			
Iron	80000	79400	99.3
Lead	anr		
Magnesium	80000	79300	99.1
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80400	100.5
Selenium	4000	3980	99.5
Silver	anr		
Sodium	80000	79700	99.6
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10544 Units: ug/l

Time:			08:42		15:44	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	205	102.5	193	96.5
Antimony	10	5.0	5.0	100.0	5.1	102.0
Arsenic	20	10	10.4	104.0	11.2	112.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.3	106.0	5.1	102.0
Calcium	2000	1000	1060	106.0	982	98.2
Chromium	20	10	11.0	110.0	10.1	101.0
Cobalt	100	50				
Copper	50	25				
Iron	600	300	332	110.7	284	94.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5170	103.4	4990	99.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9770	97.7	10800	108.0
Selenium	20	10	12.0	120.0	10.9	109.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10200	102.0
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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB021913M1.ICP Date Analyzed: 02/19/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10544 Units: ug/l

Time:			08:52		09:00		15:49		16:01	
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	513000	102.6	489000	97.8	489000	97.8
Antimony		1000	0.0		1000	100.0	0.30		1090	109.0
Arsenic		1000	1.8		1010	101.0	0.80		1070	107.0
Barium		500	-0.50		487	97.4	0.30		499	99.8
Beryllium		500	-0.10		475	95.0	-0.10		415	83.0
Cadmium		1000	-0.10		884	88.4	0.50		873	87.3
Calcium	500000	500000	488000	97.6	479000	95.8	451000	90.2	447000	89.4
Chromium		500	0.10		456	91.2	0.10		438	87.6
Cobalt		500	0.30		434	86.8	0.20		432	86.4
Copper		500	0.0		483	96.6	-2.3		508	101.6
Iron	200000	200000	190000	95.0	187000	93.5	169000	84.5	161000	80.5
Lead		1000	0.20		884	88.4	1.9		809	80.9
Magnesium	500000	500000	483000	96.6	476000	95.2	453000	90.6	462000	92.4
Manganese		500	0.0		462	92.4	-0.40		481	96.2
Molybdenum		1000	0.0		992	99.2	-0.10		938	93.8
Nickel		1000	0.0		853	85.3	-0.70		923	92.3
Potassium			38.4		40.1		104		96.9	
Selenium		1000	0.0		983	98.3	-0.60		1040	104.0
Silver		1000	-0.80		923	92.3	-0.20		946	94.6
Sodium			100		130		273		216	
Strontium		1000	4.0		1090	109.0	3.9		1010	101.0
Thallium		1000	0.0		968	96.8	1.2		860	86.0
Tin		1000	-1.1		914	91.4	-0.80		944	94.4
Titanium		1000	-5.9		1070	107.0	-5.8		973	97.3
Vanadium		500	-0.50		468	93.6	-0.10		470	94.0
Zinc		1000	-1.2		886	88.6	-0.10		862	86.2

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24630
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	12.8	<200
Antimony	6.0	1.3	1.3	2.2	<6.0
Arsenic	10	1.6	2.5	-1.5	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	-0.90	<1000
Chromium	10	1.8	2	-0.20	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	19.8	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	7.4	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	3.2	<10000
Selenium	10	2	2	0.50	<10
Silver	10	.5	.5		
Sodium	10000	500	500	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 MP24630: FA1806-4, FA1806-1F, FA1806-2F, FA1806-3F

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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24630
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/18/13					02/18/13	
Metal	FA1784-1 Original	DUP	RPD	QC Limits	FA1784-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	2210	1950	12.5	0-20	2210	31500	27000	108.5	80-120
Antimony	0.0	0.0	NC	0-20	0.0	537	500	107.4	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2120	2000	106.0	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	51.5	50	103.0	80-120
Calcium	43700	48700	10.8	0-20	43700	70500	25000	107.2	80-120
Chromium	6.1	5.5	10.3	0-20	6.1	213	200	103.5	80-120
Cobalt	anr								
Copper	anr								
Iron	2340	2470	5.4	0-20	2340	30000	26000	106.4	80-120
Lead	anr								
Magnesium	29400	32700	10.6	0-20	29400	56100	25000	106.8	80-120
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	5800	6380	9.5	0-20	5800	32800	25000	108.0	80-120
Selenium	5.6	4.5	21.8 (a)	0-20	5.6	2210	2000	110.2	80-120
Silver	anr								
Sodium	18000	20000	10.5	0-20	18000	45800	25000	111.2	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP24630: FA1806-4, FA1806-1F, FA1806-2F, FA1806-3F

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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24630
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/13

Metal	FA1784-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	2210	31500	27000	108.5	0.0	20
Antimony	0.0	527	500	105.4	1.9	20
Arsenic	0.0	2100	2000	105.0	0.9	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	50.9	50	101.8	1.2	20
Calcium	43700	72100	25000	113.6	2.2	20
Chromium	6.1	211	200	102.5	0.9	20
Cobalt	anr					
Copper	anr					
Iron	2340	30100	26000	106.8	0.3	20
Lead	anr					
Magnesium	29400	57000	25000	110.4	1.6	20
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	5800	33200	25000	109.6	1.2	20
Selenium	5.6	2170	2000	108.2	1.8	20
Silver	anr					
Sodium	18000	46600	25000	114.4	1.7	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP24630: FA1806-4, FA1806-1F, FA1806-2F, FA1806-3F

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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24630
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	29000	27000	107.4	80-120
Antimony	532	500	106.4	80-120
Arsenic	2050	2000	102.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	51.9	50	103.8	80-120
Calcium	25900	25000	103.6	80-120
Chromium	211	200	105.5	80-120
Cobalt	anr			
Copper	anr			
Iron	28100	26000	108.1	80-120
Lead	anr			
Magnesium	25400	25000	101.6	80-120
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	26500	25000	106.0	80-120
Selenium	2110	2000	105.5	80-120
Silver	anr			
Sodium	26500	25000	106.0	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP24630: FA1806-4, FA1806-1F, FA1806-2F, FA1806-3F

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24630
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/13

Metal	FA1784-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	2210	2230	1.0	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	43700	45300	3.8	0-10
Chromium	6.10	0.00	100.0(a)	0-10
Cobalt	anr			
Copper	anr			
Iron	2340	2460	4.9	0-10
Lead	anr			
Magnesium	29400	30300	2.9	0-10
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	5800	5630	3.0	0-10
Selenium	5.60	0.00	100.0(a)	0-10
Silver	anr			
Sodium	18000	17600	2.0	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP24630: FA1806-4, FA1806-1F, FA1806-2F, FA1806-3F

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: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24630
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/18/13

Metal	Sample ml	Final ml	FA1784-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	2210	2165.8	4825	0.2	125	2500	106.4	80-120
Antimony	9.8	10	0	0	110.3	0.2	5	100	110.3	80-120
Arsenic	9.8	10	0	0	106.4	0.2	5	100	106.4	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	53.4	0.2	2.5	50	106.8	80-120
Calcium	9.8	10	43650	42777	49150	0.2	250	5000	127.5*(a	80-120
Chromium	9.8	10	6.1	5.978	58.7	0.2	2.5	50	105.4	80-120
Cobalt										
Copper										
Iron	9.8	10	2343	2296.14	5501	0.2	150	3000	106.8	80-120
Lead										
Magnesium	9.8	10	29400	28812	34350	0.2	250	5000	110.8	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	5801	5684.98	16090	0.2	500	10000	104.1	80-120
Selenium	9.8	10	5.6	5.488	115	0.2	5	100	109.5	80-120
Silver										
Sodium	9.8	10	17960	17600.8	28160	0.2	500	10000	105.6	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24630: FA1806-4, FA1806-1F, FA1806-2F, FA1806-3F

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: FA1806
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	GN54409	5.0	0.0	mg/l	250	249	99.8	90-113%
Chloride	GP21000/GN54208	2.0	0.0	mg/l	50	51.1	102.2	90-110%
Chloride	GP21005/GN54217	2.0	0.0	mg/l	50	50.4	100.8	90-110%
Fluoride	GP21000/GN54208	0.20	0.0	mg/l	2.5	2.58	103.2	90-110%
Fluoride	GP21005/GN54217	0.20	0.0	mg/l	2.5	2.53	101.2	90-110%
Nitrogen, Nitrate	GP21000/GN54208	0.10	0.0	mg/l	2.5	2.47	98.8	90-110%
Nitrogen, Nitrate	GP21005/GN54217	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Phosphate, Ortho	GP21008/GN54219	0.10	0.0	mg/l	0.300	0.17	109.1	83-116%
Phosphate, Ortho	GP21034/GN54267	0.10	0.0	mg/l	0.300	0.30	99.7	83-116%
Phosphorus, Total	GP21064/GN54360	0.10	0.0	mg/l	.300	0.29	95.5	81-118%
Solids, Total Dissolved	GN54272	100	0.0	mg/l				
Specific Conductivity	GN54183	1.0	0.0	umhos/cm				
Specific Conductivity	GN54206	1.0	0.0	umhos/cm				
Sulfate	GP21000/GN54208	2.0	0.0	mg/l	50	51.8	103.6	90-110%
Sulfate	GP21005/GN54217	2.0	0.0	mg/l	50	51.0	102.0	90-110%

Associated Samples:
Batch GN54183: FA1806-2, FA1806-4
Batch GN54206: FA1806-1, FA1806-3
Batch GN54272: FA1806-1, FA1806-2, FA1806-3, FA1806-4
Batch GN54409: FA1806-1, FA1806-2, FA1806-3, FA1806-4
Batch GP21000: FA1806-2, FA1806-4
Batch GP21005: FA1806-1, FA1806-3
Batch GP21008: FA1806-4
Batch GP21034: FA1806-1F, FA1806-2F, FA1806-3F
Batch GP21064: FA1806-1, FA1806-2, FA1806-3, FA1806-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1806
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	GN54409	FA1804-1	mg/l	156	153	1.8	0-20%
Phosphate, Ortho	GP21034/GN54267	FA1806-1F	mg/l	1430	1470	2.8	0-26%
Phosphorus, Total	GP21064/GN54360	FA2110-1	mg/l	0.074	0.074	0.0	0-22%
Solids, Total Dissolved	GN54272	FA1804-4	mg/l	821	806	1.8	0-5%
Specific Conductivity	GN54183	FA1804-4	umhos/cm	1010	1010	0.4	0-10%
Specific Conductivity	GN54206	FA1806-1	umhos/cm	8620	8580	0.5	0-10%
pH	GN54184	FA1807-2	su	2.65	2.65	0.0	0-10%
pH	GN54207	FA1806-1	su	2.59	2.59	0.0	0-10%

Associated Samples:
Batch GN54183: FA1806-2, FA1806-4
Batch GN54184: FA1806-2, FA1806-4
Batch GN54206: FA1806-1, FA1806-3
Batch GN54207: FA1806-1, FA1806-3
Batch GN54272: FA1806-1, FA1806-2, FA1806-3, FA1806-4
Batch GN54409: FA1806-1, FA1806-2, FA1806-3, FA1806-4
Batch GP21008: FA1806-4
Batch GP21034: FA1806-1F, FA1806-2F, FA1806-3F
Batch GP21064: FA1806-1, FA1806-2, FA1806-3, FA1806-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1806
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	GN54409	FA1804-1	mg/l	156	250	395	95.7	90-113%
Chloride	GP21000/GN54208	FA1804-4	mg/l	26.4	50	78.4	104.0	90-110%
Chloride	GP21005/GN54217	FA1800-2	mg/l	39.7	50	87.8	96.2	90-110%
Fluoride	GP21000/GN54217	FA1804-4	mg/l	16.3	2.5	17.8	60.0(a)	90-110%
Fluoride	GP21005/GN54217	FA1800-2	mg/l	0.58	2.5	2.7	84.8N(b)	90-110%
Nitrogen, Nitrate	GP21000/GN54208	FA1804-4	mg/l	3.2	2.5	5.9	108.0	90-110%
Nitrogen, Nitrate	GP21005/GN54217	FA1800-2	mg/l	0.050 U	2.5	2.3	92.0	90-110%
Phosphate, Ortho	GP21034/GN54267	FA1806-1F	mg/l	1430	0.300	1970	181814.6(a)	83-116%
Phosphorus, Total	GP21064/GN54360	FA2110-1	mg/l	0.074	.300	0.42	115.0	81-118%
Sulfate	GP21000/GN54217	FA1804-4	mg/l	270	50	311	82.0(a)	90-110%
Sulfate	GP21005/GN54217	FA1800-2	mg/l	23.6	50	71.5	95.8	90-110%

Associated Samples:
Batch GN54409: FA1806-1, FA1806-2, FA1806-3, FA1806-4
Batch GP21000: FA1806-2, FA1806-4
Batch GP21005: FA1806-1, FA1806-3
Batch GP21008: FA1806-4
Batch GP21034: FA1806-1F, FA1806-2F, FA1806-3F
Batch GP21064: FA1806-1, FA1806-2, FA1806-3, FA1806-4
(*) 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.
(b) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1806
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	GP21000/GN54208	FA1804-4	mg/l	26.4	50	76.7	2.2	
Chloride	GP21005/GN54217	FA1800-2	mg/l	39.7	50	87.9	0.1	
Fluoride	GP21000/GN54217	FA1804-4	mg/l	16.3	2.5	17.8	1.1(a)	
Fluoride	GP21005/GN54217	FA1800-2	mg/l	0.58	2.5	2.7	0.0N(b)	
Nitrogen, Nitrate	GP21000/GN54208	FA1804-4	mg/l	3.2	2.5	5.8	1.7	
Nitrogen, Nitrate	GP21005/GN54217	FA1800-2	mg/l	0.050 U	2.5	2.3	0.0	
Phosphorus, Total	GP21064/GN54360	FA2110-1	mg/l	0.074	.300	0.408	3.1	22%
Sulfate	GP21000/GN54217	FA1804-4	mg/l	270	50	308	3.5(a)	
Sulfate	GP21005/GN54217	FA1800-2	mg/l	23.6	50	71.5	0.0	

Associated Samples:
Batch GP21000: FA1806-2, FA1806-4
Batch GP21005: FA1806-1, FA1806-3
Batch GP21064: FA1806-1, FA1806-2, FA1806-3, FA1806-4
(*) 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.
(b) Spike recovery indicates possible matrix interference.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313160201.TXT Date Analyzed: 02/16/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54208
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:07	GN54208-CCV1	1		
11:22	GN54208-CCB1	1		
11:38	GP21000-MB1	1		
11:54	GP21000-B1	1		
12:42	ZZZZZZ	25		
12:58	ZZZZZZ	25		
13:14	ZZZZZZ	25		
13:29	FA1804-4	2		(sample used for QC only; not part of login FA1806)
13:45	ZZZZZZ	5		
14:01	FA1806-2	50		
14:17	GN54208-CCV2	1		
14:33	GN54208-CCB2	1		
15:37	GP21000-S1	2		
15:52	GP21000-S2	2		
16:08	FA1806-4	1		
16:24	GN54208-CCV3	1		
16:40	GN54208-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313160201.TXT Date Analyzed: 02/16/13 Methods: EPA 300/SW846 9056A
Run ID: GN54208 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54208-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54208-CCV1	Chloride	51.1	2.0	0.80	50	102.2	90-110
GN54208-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54208-CCV1	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54208-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54208-CCB1	Chloride	0.80 U	2.0	0.80			
GN54208-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54208-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54208-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN54208-CCV2	Chloride	50.8	2.0	0.80	50	101.6	90-110
GN54208-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54208-CCV2	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN54208-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54208-CCB2	Chloride	0.80 U	2.0	0.80			
GN54208-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54208-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54208-CCV3	Chloride	51.0	2.0	0.80	50	102.0	90-110
GN54208-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54208-CCV3	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN54208-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54208-CCB3	Chloride	0.80 U	2.0	0.80			
GN54208-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54208-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313180201.TXT Date Analyzed: 02/18/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54217
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:19	GN54217-CCV1	1		
13:35	GN54217-CCB1	1		
13:51	GP21005-MB1	1		
14:07	GP21005-B1	1		
16:09	ZZZZZZ	50		
16:25	ZZZZZZ	50		
16:41	ZZZZZZ	50		
16:57	FA1804-4	5		(sample used for QC only; not part of login FA1806)
17:12	GN54217-CCV2	1		
17:28	GN54217-CCB2	1		
17:44	ZZZZZZ	10		
18:00	FA1806-2	200		
18:16	FA1806-4	1		
18:32	GP21000-S1	5		
18:48	GP21000-S2	5		
19:04	FA1806-1	50		
19:20	FA1806-3	50		
19:36	ZZZZZZ	10		
19:51	FA1800-2	1		(sample used for QC only; not part of login FA1806)
20:07	ZZZZZZ	2		
20:23	GN54217-CCV3	1		
20:39	GN54217-CCB3	1		
20:55	GP21005-S1	1		
21:11	GP21005-S2	1		
21:27	GN54217-CCV4	1		
21:43	GN54217-CCB4	1		
21:59	ZZZZZZ	25		
22:14	ZZZZZZ	25		
22:30	FA1616-5	25		(sample used for QC only; not part of login FA1806)
22:46	GP20984-S3	25		
23:02	GP20984-S4	25		
23:18	GN54217-CCV5	1		
23:34	GN54217-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313180201.TXT Date Analyzed: 02/18/13 Methods: EPA 300/SW846 9056A
Run ID: GN54217 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54217-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54217-CCV1	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN54217-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54217-CCV1	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54217-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54217-CCB1	Chloride	0.80 U	2.0	0.80			
GN54217-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54217-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54217-CCV2	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN54217-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54217-CCV2	Sulfate	49.3	2.0	0.60	50	98.6	90-110
GN54217-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54217-CCB2	Chloride	0.80 U	2.0	0.80			
GN54217-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54217-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV3	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54217-CCV3	Chloride	50.3	2.0	0.80	50	100.6	90-110
GN54217-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54217-CCV3	Sulfate	48.4	2.0	0.60	50	96.8	90-110
GN54217-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54217-CCB3	Chloride	0.80 U	2.0	0.80			
GN54217-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54217-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV4	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54217-CCV4	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN54217-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54217-CCV4	Sulfate	48.8	2.0	0.60	50	97.6	90-110
GN54217-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54217-CCB4	Chloride	0.80 U	2.0	0.80			
GN54217-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54217-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54217-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54217-CCV5	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN54217-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54217-CCV5	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN54217-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54217-CCB5	Chloride	0.80 U	2.0	0.80			
GN54217-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54217-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313190201.TXT Date Analyzed: 02/19/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54233
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:51	GN54233-CCV1	1		
11:07	GN54233-CCB1	1		
11:23	GP21014-MB1	1		
11:38	GP21014-B1	1		
12:57	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:31	FA1846-1	1		(sample used for QC only; not part of login FA1806)
14:06	GP21014-S1	1		
14:22	GP21014-S2	1		
14:38	GN54233-CCV2	1		
14:54	GN54233-CCB2	1		
15:10	FA1806-1	500		
15:26	FA1806-3	200		
16:24	ZZZZZZ	1		
16:40	ZZZZZZ	2		
16:56	ZZZZZZ	1		
17:11	ZZZZZZ	2		
17:27	ZZZZZZ	1		
17:43	ZZZZZZ	2		
17:59	ZZZZZZ	1		
18:15	GN54233-CCV3	1		
18:31	GN54233-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1806
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313190201.TXT Date Analyzed: 02/19/13 Methods: EPA 300/SW846 9056A
Run ID: GN54233 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54233-CCV1	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54233-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54233-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54233-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54233-CCV3	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54233-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

03/11/13

Technical Report for

WSP Environment & Energy

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

36785-01

Accutest Job Number: FA1973

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: **105**

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.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **8**
Section 4: Sample Results **11**
4.1: FA1973-1: A-47 (0-1) 12
4.2: FA1973-2: A-47 (1-2) 14
4.3: FA1973-3: A-47 (4-5) 16
4.4: FA1973-4: A-47 (9-10) 18
Section 5: Misc. Forms **20**
5.1: Chain of Custody 21
Section 6: Metals Analysis - QC Data Summaries **23**
6.1: Inst QC MA10565: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 24
6.2: Inst QC MA10570: Sb,Cd,Ca,Cr,Pb,Se,Tl 47
6.3: Inst QC MA10571: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V 61
6.4: Prep QC MP24678: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 84
Section 7: General Chemistry - QC Data Summaries **90**
7.1: Method Blank and Spike Results Summary 91
7.2: Duplicate Results Summary 92
7.3: Matrix Spike Results Summary 93
7.4: Matrix Spike Duplicate Results Summary 94
7.5: Inst QC GN54340: Nitrogen, Total Kjeldahl 95
7.6: Inst QC GN54407: Fluoride,Nitrogen, Nitrate,Sulfate 97
7.7: Inst QC GN54476: Fluoride,Sulfate 100
7.8: Inst QC GN54532: Nitrogen, Ammonia 103
7.9: Percent Solids Raw Data Summary 105

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA1973

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
FA1973-1	02/20/13	15:00	SD	02/22/13	SO	Soil	A-47 (0-1)
FA1973-2	02/20/13	15:05	SD	02/22/13	SO	Soil	A-47 (1-2)
FA1973-3	02/20/13	15:10	SD	02/22/13	SO	Soil	A-47 (4-5)
FA1973-4	02/20/13	15:15	SD	02/22/13	SO	Soil	A-47 (9-10)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA1973

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 3/11/2013 9:18:34 AM

4 Sample(s) were collected on 02/20/2013 and were received at Accutest SE on 02/22/2013 properly preserved, at 3.6 Deg. C and intact. These Samples received an Accutest job number of FA1973. 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: SO **Batch ID:** MP24678

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) FA2074-1DUP, FA2074-1MS, FA2074-1MSD, FA2074-1PS, FA2074-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Antimony, Arsenic, Iron, Manganese, Nickel, Vanadium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery(s) for Manganese, Antimony, Arsenic, Cadmium, Nickel, Iron are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Calcium 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 Manganese, Antimony, Magnesium, Nickel, Sodium are outside control limits for sample MP24678-D1. High RPD due to possible sample nonhomogeneity.

RPD(s) for MSD for Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Nickel, Potassium, Selenium, Sodium, Thallium are outside control limits for sample MP24678-S2. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Antimony, Beryllium, Sodium, Arsenic, Barium, Iron, Lead, Magnesium, Manganese, Nickel, Vanadium are outside control limits for sample MP24678-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24678-D1 for Magnesium: RPD acceptable due to low duplicate and sample concentrations.

MP24678-D1 for Nickel: RPD acceptable due to low duplicate and sample concentrations.

MP24678-D1 for Sodium: RPD acceptable due to low duplicate and sample concentrations.

MP24678-D1 for Antimony: RPD acceptable due to low duplicate and sample concentrations.

MP24678-SD1 for Manganese: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Magnesium: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Vanadium: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Arsenic: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Barium: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Lead: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Nickel: Serial dilution indicates possible matrix interference.

MP24678-PS1 for Chromium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24678-PS1 for Nickel: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24678-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24678-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA1973-3 for Potassium: Sample dilution required due to sample matrix.

FA1973-3 for Nickel: Sample dilution required due to sample matrix.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24678

FA1973-3 for Manganese: Sample dilution required due to sample matrix.
FA1973-2 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1973-3 for Lead: Sample dilution required due to sample matrix.
FA1973-3 for Chromium: Sample dilution required due to sample matrix.
FA1973-3 for Selenium: Sample dilution required due to sample matrix.
FA1973-4 for Barium: Sample dilution required due to sample matrix.
FA1973-3 for Calcium: Sample dilution required due to sample matrix.
FA1973-3 for Sodium: Sample dilution required due to sample matrix.
FA1973-3 for Thallium: Sample dilution required due to sample matrix.
FA1973-3 for Vanadium: Sample dilution required due to sample matrix.
FA1973-4 for Aluminum: Sample dilution required due to sample matrix.
FA1973-3 for Cadmium: Sample dilution required due to sample matrix.
FA1973-4 for Arsenic: Sample dilution required due to sample matrix.
FA1973-1 for Lead: Sample dilution required due to sample matrix.
FA1973-4 for Beryllium: Sample dilution required due to sample matrix.
FA1973-4 for Cadmium: Sample dilution required due to sample matrix.
FA1973-4 for Antimony: Sample dilution required due to sample matrix.
FA1973-3 for Aluminum: Sample dilution required due to sample matrix.
FA1973-3 for Beryllium: Sample dilution required due to sample matrix.\
FA1973-3 for Magnesium: Sample dilution required due to sample matrix.
FA1973-2 for Lead: Sample dilution required due to sample matrix.
FA1973-4 for Calcium: Sample dilution required due to sample matrix.
FA1973-3 for Antimony: Sample dilution required due to sample matrix.
FA1973-3 for Arsenic: Sample dilution required due to sample matrix.
FA1973-3 for Barium: Sample dilution required due to sample matrix.
FA1973-4 for Chromium: Sample dilution required due to sample matrix.
FA1973-1 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1973-1 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1973-1 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1973-1 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1973-1 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1973-1 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1973-1 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA1973-1 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA1973-3 for Iron: Sample dilution required due to sample matrix.
FA1973-2 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Iron: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA1973-2 for Barium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24678

FA1973-4 for Selenium: Sample dilution required due to sample matrix.

FA1973-4 for Potassium: Sample dilution required due to sample matrix.

FA1973-4 for Nickel: Sample dilution required due to sample matrix.

FA1973-4 for Manganese: Sample dilution required due to sample matrix.

FA1973-4 for Magnesium: Sample dilution required due to sample matrix.

FA1973-4 for Sodium: Sample dilution required due to sample matrix.

FA1973-4 for Thallium: Sample dilution required due to sample matrix.

FA1973-4 for Vanadium: Sample dilution required due to sample matrix.

FA1973-1 for Iron: Elevated reporting limit(s) due to matrix interference.

FA1973-4 for Lead: Sample dilution required due to sample matrix.

FA1973-1 for Aluminum: Elevated reporting limit(s) due to matrix interference.

FA1973-4 for Iron: Sample dilution required due to sample matrix.

FA1973-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA1973-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1973-1 for Barium: Elevated reporting limit(s) due to matrix interference.

FA1973-1 for Beryllium: Elevated reporting limit(s) due to matrix interference.

FA1973-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1973-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA1973-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: SO **Batch ID:** GP21089

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) FA1973-4MS, FA1973-4MSD were used as the QC samples for 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 and/or sample nonhomogeneity. For method performance in a clean matrix, refer to Blank Spike.

FA1973-4 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA1973-4 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP21130

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) FA2134-4MSD, FA2134-4MS were used as the QC samples for Nitrogen, Ammonia.

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

Wet Chemistry By Method EPA 351.2 M

Matrix: SO **Batch ID:** GP21050

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) FA1973-1MS, FA1973-1MSD were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

RPD(s) for MSD for Nitrogen, Total Kjeldahl are outside control limits for sample GP21050-S2. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. For method performance in a clean matrix, refer to Blank Spike.

Wet Chemistry By Method EPA 365.3M

Matrix: SO **Batch ID:** GP21100

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) FA1973-1DUP, FA1973-1MSD 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 SM19 2540G

Matrix: SO **Batch ID:** GN54345

Sample(s) FA1973-1DUP was used as the QC sample for Solids, Percent.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54393

Sample(s) FA1883-14DUP was used as the QC sample for pH.

Matrix: SO **Batch ID:** GN54441

Sample(s) FA1973-3DUP was used as the QC sample for pH.

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 11, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1973
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/20/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1973-1	**A-47 (0-1)**					
Aluminum [a]		14400	230	23	mg/kg	SW846 6010C
Antimony [a]		3.9 J	23	2.2	mg/kg	SW846 6010C
Arsenic [a]		14.7	11	1.8	mg/kg	SW846 6010C
Barium [a]		130 J	230	5.7	mg/kg	SW846 6010C
Beryllium [a]		1.5 J	5.7	0.57	mg/kg	SW846 6010C
Cadmium [a]		75.3	4.5	0.57	mg/kg	SW846 6010C
Calcium [a]		134000	5700	57	mg/kg	SW846 6010C
Chromium [a]		301	11	2.0	mg/kg	SW846 6010C
Iron [a]		14200	340	79	mg/kg	SW846 6010C
Lead [b]		181	4.5	0.25	mg/kg	SW846 6010C
Magnesium [a]		3340 J	5700	86	mg/kg	SW846 6010C
Manganese [a]		249	17	1.0	mg/kg	SW846 6010C
Nickel [a]		28.1 J	45	0.57	mg/kg	SW846 6010C
Potassium [a]		5450 J	11000	230	mg/kg	SW846 6010C
Selenium [a]		5.9 J	23	3.4	mg/kg	SW846 6010C
Sodium [a]		2970 J	11000	570	mg/kg	SW846 6010C
Vanadium [a]		474	57	0.57	mg/kg	SW846 6010C
Fluoride		141	12	2.9	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		44.9	1.4	0.30	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		2.1	1.2	0.58	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		179	12	4.7	mg/kg	EPA 351.2 M
Phosphorus, Total		98900	34000	5300	mg/kg	EPA 365.3M
Sulfate		8080	230	70	mg/kg	EPA 300/SW846 9056A
pH		5.46			su	SW846 9045D
FA1973-2	**A-47 (1-2)**					
Aluminum [a]		14900	270	27	mg/kg	SW846 6010C
Arsenic [a]		4.6 J	13	2.1	mg/kg	SW846 6010C
Barium [a]		95.3 J	270	6.7	mg/kg	SW846 6010C
Beryllium [a]		1.5 J	6.7	0.67	mg/kg	SW846 6010C
Cadmium [a]		12.9	5.3	0.67	mg/kg	SW846 6010C
Calcium [a]		105000	6700	67	mg/kg	SW846 6010C
Chromium [a]		371	13	2.4	mg/kg	SW846 6010C
Iron [a]		8980	400	93	mg/kg	SW846 6010C
Lead [b]		6.1	5.3	0.29	mg/kg	SW846 6010C
Magnesium [a]		2820 J	6700	100	mg/kg	SW846 6010C
Manganese [a]		208	20	1.2	mg/kg	SW846 6010C
Nickel [a]		14.6 J	53	0.67	mg/kg	SW846 6010C
Potassium [a]		3290 J	13000	270	mg/kg	SW846 6010C
Sodium [a]		740 J	13000	670	mg/kg	SW846 6010C
Vanadium [a]		496	67	0.67	mg/kg	SW846 6010C
Fluoride		32.5	1.2	0.31	mg/kg	EPA 300/SW846 9056A

Summary of Hits

Job Number: FA1973
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nitrogen, Ammonia		15.8	1.4	0.30	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		11.9	1.2	0.61	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		327	13	5.0	mg/kg	EPA 351.2 M
Phosphorus, Total		224000 J	81000	12000	mg/kg	EPA 365.3M
Sulfate		1960	49	15	mg/kg	EPA 300/SW846 9056A
pH		6.93			su	SW846 9045D
FA1973-3	**A-47 (4-5)**					
Aluminum [b]		13300	41	4.1	mg/kg	SW846 6010C
Arsenic [b]		4.0	2.0	0.33	mg/kg	SW846 6010C
Barium [b]		123	41	1.0	mg/kg	SW846 6010C
Beryllium [b]		0.75 J	1.0	0.10	mg/kg	SW846 6010C
Cadmium [b]		0.64 J	0.82	0.10	mg/kg	SW846 6010C
Calcium [b]		6040	1000	10	mg/kg	SW846 6010C
Chromium [b]		19.7	2.0	0.37	mg/kg	SW846 6010C
Iron [b]		12600	61	14	mg/kg	SW846 6010C
Lead [b]		12.1	4.1	0.22	mg/kg	SW846 6010C
Magnesium [b]		4870	1000	15	mg/kg	SW846 6010C
Manganese [b]		304	3.1	0.18	mg/kg	SW846 6010C
Nickel [b]		15.3	8.2	0.10	mg/kg	SW846 6010C
Potassium [b]		3050	2000	41	mg/kg	SW846 6010C
Sodium [b]		321 J	2000	100	mg/kg	SW846 6010C
Vanadium [b]		20.2	10	0.10	mg/kg	SW846 6010C
Fluoride		1.9	1.2	0.30	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		74.2	1.4	0.30	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		4.8	1.2	0.60	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		1780	310	130	mg/kg	EPA 351.2 M
Phosphorus, Total		20700	8800	1400	mg/kg	EPA 365.3M
Sulfate		308	24	7.2	mg/kg	EPA 300/SW846 9056A
pH		6.05			su	SW846 9045D
FA1973-4	**A-47 (9-10)**					
Aluminum [b]		7230	48	4.8	mg/kg	SW846 6010C
Arsenic [b]		3.1	2.4	0.38	mg/kg	SW846 6010C
Barium [b]		68.9	48	1.2	mg/kg	SW846 6010C
Beryllium [b]		0.46 J	1.2	0.12	mg/kg	SW846 6010C
Cadmium [b]		3.1	0.96	0.12	mg/kg	SW846 6010C
Calcium [b]		79400	1200	12	mg/kg	SW846 6010C
Chromium [b]		26.0	2.4	0.43	mg/kg	SW846 6010C
Iron [b]		6190	72	17	mg/kg	SW846 6010C
Lead [b]		9.4	4.8	0.26	mg/kg	SW846 6010C
Magnesium [b]		9420	1200	18	mg/kg	SW846 6010C
Manganese [b]		94.1	3.6	0.22	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA1973
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/20/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Nickel [b]	17.4	9.6	0.12	mg/kg	SW846 6010C
Potassium [b]	1100 J	2400	48	mg/kg	SW846 6010C
Sodium [b]	534 J	2400	120	mg/kg	SW846 6010C
Vanadium [b]	25.6	12	0.12	mg/kg	SW846 6010C
Fluoride [c]	10.5	6.2	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	70.7	1.4	0.31	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	727	60	24	mg/kg	EPA 351.2 M
Phosphorus, Total	6370	1800	280	mg/kg	EPA 365.3M
Sulfate	406	120	37	mg/kg	EPA 300/SW846 9056A
pH	7.84			su	SW846 9045D

(a) Elevated reporting limit(s) due to matrix interference.
(b) Sample dilution required due to sample matrix.
(c) Dilution required due to matrix interference.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: A-47 (0-1)
Lab Sample ID: FA1973-1
Matrix: SO - Soil
Date Sampled: 02/20/13
Date Received: 02/22/13
Percent Solids: 85.6
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	14400	230	23	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	3.9 J	23	2.2	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	14.7	11	1.8	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	130 J	230	5.7	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	1.5 J	5.7	0.57	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	75.3	4.5	0.57	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	134000	5700	57	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	301	11	2.0	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	14200	340	79	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	181	4.5	0.25	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	3340 J	5700	86	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	249	17	1.0	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	28.1 J	45	0.57	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	5450 J	11000	230	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	5.9 J	23	3.4	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	2970 J	11000	570	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	20 U	44	20	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	474	57	0.57	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10565
(2) Instrument QC Batch: MA10571
(3) Prep QC Batch: MP24678

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-47 (0-1)		
Lab Sample ID:	FA1973-1	**Date Sampled:**	02/20/13
Matrix:	SO - Soil	**Date Received:**	02/22/13
		Percent Solids:	85.6
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	141	12	2.9	mg/kg	10	03/05/13 22:16	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	44.9	1.4	0.30	mg/kg	1	03/08/13 13:40	VK	EPA 350.1 M
Nitrogen, Nitrate	2.1	1.2	0.58	mg/kg	1	03/01/13 21:29	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	179	12	4.7	mg/kg	1	02/26/13 14:51	MG	EPA 351.2 M
Phosphorus, Total	98900	34000	5300	mg/kg	1000	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	85.6			%	1	02/27/13 13:21	HH	SM19 2540G
Sulfate	8080	230	70	mg/kg	10	03/05/13 22:16	AA	EPA 300/SW846 9056A
pH	5.46			su	1	03/01/13 09:03	HH	SW846 9045D

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-47 (1-2)		
Lab Sample ID:	FA1973-2	**Date Sampled:**	02/20/13
Matrix:	SO - Soil	**Date Received:**	02/22/13
		Percent Solids:	81.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	14900	270	27	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	2.5 U	27	2.5	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	4.6 J	13	2.1	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	95.3 J	270	6.7	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	1.5 J	6.7	0.67	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	12.9	5.3	0.67	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	105000	6700	67	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	371	13	2.4	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	8980	400	93	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	6.1	5.3	0.29	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	2820 J	6700	100	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	208	20	1.2	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	14.6 J	53	0.67	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	3290 J	13000	270	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	4.0 U	27	4.0	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	740 J	13000	670	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	24 U	52	24	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	496	67	0.67	mg/kg	25	02/26/13	02/28/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10565
(2) Instrument QC Batch: MA10571
(3) Prep QC Batch: MP24678

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-47 (1-2)		
Lab Sample ID:	FA1973-2	**Date Sampled:**	02/20/13
Matrix:	SO - Soil	**Date Received:**	02/22/13
		Percent Solids:	81.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	32.5	1.2	0.31	mg/kg	1	03/01/13 21:45	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	15.8	1.4	0.30	mg/kg	1	03/08/13 13:41	VK	EPA 350.1 M
Nitrogen, Nitrate	11.9	1.2	0.61	mg/kg	1	03/01/13 21:45	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	327	13	5.0	mg/kg	1	02/26/13 14:55	MG	EPA 351.2 M
Phosphorus, Total	224000 J	81000	12000	mg/kg	2500	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	81.7			%	1	02/27/13 13:21	HH	SM19 2540G
Sulfate	1960	49	15	mg/kg	2	03/05/13 22:32	AA	EPA 300/SW846 9056A
pH	6.93			su	1	03/01/13 09:03	HH	SW846 9045D

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-47 (4-5)
Lab Sample ID: FA1973-3
Matrix: SO - Soil
Date Sampled: 02/20/13
Date Received: 02/22/13
Percent Solids: 83.4
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	13300	41	4.1	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.39 U	4.1	0.39	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.0	2.0	0.33	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	123	41	1.0	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.75 J	1.0	0.10	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	0.64 J	0.82	0.10	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	6040	1000	10	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	19.7	2.0	0.37	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	12600	61	14	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	12.1	4.1	0.22	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	4870	1000	15	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	304	3.1	0.18	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	15.3	8.2	0.10	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	3050	2000	41	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.61 U	4.1	0.61	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	321 J	2000	100	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.37 U	2.0	0.37	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	20.2	10	0.10	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10565
(2) Prep QC Batch: MP24678

(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-47 (4-5)		
Lab Sample ID:	FA1973-3	**Date Sampled:**	02/20/13
Matrix:	SO - Soil	**Date Received:**	02/22/13
		Percent Solids:	83.4
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	1.9	1.2	0.30	mg/kg	1	03/01/13 22:01	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	74.2	1.4	0.30	mg/kg	1	03/08/13 13:42	VK	EPA 350.1 M
Nitrogen, Nitrate	4.8	1.2	0.60	mg/kg	1	03/01/13 22:01	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	1780	310	130	mg/kg	25	02/26/13 15:01	MG	EPA 351.2 M
Phosphorus, Total	20700	8800	1400	mg/kg	250	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	83.4			%	1	02/27/13 13:21	HH	SM19 2540G
Sulfate	308	24	7.2	mg/kg	1	03/01/13 22:01	AA	EPA 300/SW846 9056A
pH	6.05			su	1	03/04/13 14:20	HH	SW846 9045D

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-47 (9-10)
Lab Sample ID: FA1973-4
Matrix: SO - Soil
Date Sampled: 02/20/13
Date Received: 02/22/13
Percent Solids: 81.6
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	7230	48	4.8	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.45 U	4.8	0.45	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	3.1	2.4	0.38	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	68.9	48	1.2	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.46 J	1.2	0.12	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	3.1	0.96	0.12	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	79400	1200	12	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	26.0	2.4	0.43	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	6190	72	17	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	9.4	4.8	0.26	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	9420	1200	18	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	94.1	3.6	0.22	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	17.4	9.6	0.12	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1100 J	2400	48	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.72 U	4.8	0.72	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	534 J	2400	120	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.43 U	2.4	0.43	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	25.6	12	0.12	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10565
(2) Prep QC Batch: MP24678

(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-47 (9-10)		
Lab Sample ID:	FA1973-4	**Date Sampled:**	02/20/13
Matrix:	SO - Soil	**Date Received:**	02/22/13
		Percent Solids:	81.6
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride [a]	10.5	6.2	1.5	mg/kg	5	03/01/13 22:17	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	70.7	1.4	0.31	mg/kg	1	03/08/13 13:43	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.1 U	6.2	3.1	mg/kg	5	03/01/13 22:17	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	727	60	24	mg/kg	5	02/26/13 15:02	MG	EPA 351.2 M
Phosphorus, Total	6370	1800	280	mg/kg	50	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	81.6			%	1	02/27/13 13:21	HH	SM19 2540G
Sulfate	406	120	37	mg/kg	5	03/01/13 22:17	AA	EPA 300/SW846 9056A
pH	7.84			su	1	03/04/13 14:20	HH	SW846 9045D

(a) Dilution required due to matrix interference.

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

CHAIN OF CUSTODY RECORD

Page 1 of 1

Nº 04246

FA1973

Project Number: 36785-01

Site and Location: AGRIUM SODA STRINGS ID

Contact Name: TIM. HUFF @ WSPGROUP.COM

Contact Email:

Sampler's Name: STEVEN DAWSON

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	METALS (A)	pH	TOTAL PHOSPHORUS	GENERAL CHEM (B)	Remarks
1	A-47 (0-1)	0-1	2/20	1500	S	1	X	X	X	X	(A) Al, Sb, Ba, Cd, Be, Ca, Cr, Fe, Pb, Mg, Mn, Ni, K, Na, Se, Tl, V
2	A-47 (1-2)	1-2	2/20	1505	S	1	X	X	X	X	
3	A-47 (4-5)	4-5	2/20	1510	S	1	X	X	X	X	
4	A-47 (9-10)	9-10	2/20	1515	S	1	X	X	X	X	(B) TKN, NH_3, ~~Cl~~ (Br) $^-$, F^-, NO_3^-, SO_4^{2-}

Relinquished by (Signature):	2/21 1400 Date / Time	Received by (Signature): FX	Laboratory Name: ACCUTEST
Relinquished by (Signature): FX	2-22-13 Date / Time	Received by (Signature): [illegible] (ALSA) 07:00	Laboratory Location: ORLANDO FL
Turn-Around Time: STD		Tracking Number: 3-6	Custody Seal Numbers:
			Method of Shipment: FEDEX

WSP
WSP Environment & Energy

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 334 Elizabeth Ave., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Boxborough Office: 1740 Massachusetts Ave., Boxborough, MA 01719 / Tel: 978-635-9600
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA1973: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 1973 CLIENT: WSP PROJECT: 36785-01

DATE/TIME RECEIVED: 2-22-13 07:00 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3227 7948

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 [signature] 2-22-13 REVIEWER SIGNATURE/DATE [signature] 02/22/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA1973: Chain of Custody
Page 2 of 2

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: FA1973
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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 FA1973)
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: FA1973
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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	ZZZZZZ	5		
13:48	ZZZZZZ	2		
13:52	ZZZZZZ	2		
13:57	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1973
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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 FA1973)
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 FA1973)
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	FA1973-1	5		
16:03	FA1973-2	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: FA1973
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:49	FA1973-3	5		
	16:53	FA1973-4	5		
---------->	Last reportable sample/prep for job FA1973				
	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 FA1973)
	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: FA1973
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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 FA1973
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1973
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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: FA1973
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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	ZZZZZZ	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: FA1973
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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	FA1973-1	3231 !	34842 !	22554 !	770
16:03	FA1973-2	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: FA1973
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:49	FA1973-3	1650	17650	11642	897
16:53	FA1973-4	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: FA1973
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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: FA1973
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	0.10	<200	0.20	<200	0.30	<200	0.20	<200
Beryllium	4.0	.5	0.0	<5.0	0.30	<5.0	0.40	<4.0	0.30	<4.0
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	0.10	<20	-0.40	<20	0.20	<5.0	-0.20	<5.0
Magnesium	5000	74	0.60	<5000	-1.8	<5000	11.8	<5000	11.3	<5000
Manganese	15	.7	0.0	<15	0.20	<15	0.20	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.10	<40	0.20	<40	0.30	<40	0.30	<40
Potassium	10000	200	-22	<10000	-22	<10000	-5.5	<10000	-14	<10000
Selenium	10	2	1.1	<20	1.0	<20	0.30	<10	-0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	-1.1	<10000	-1.6	<10000	1.2	<10000	0.90	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.30	<10	-0.20	<10	0.20	<10	0.30	<10
Tin	50	.7	anr							
Titanium	10	.9	anr							
Vanadium	50	.5	0.0	<50	0.20	<50	0.20	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1973
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	0.10	<200	0.10	<200	0.10	<200	0.10	<200
Beryllium	4.0	.5	0.20	<4.0	0.10	<4.0	0.10	<4.0	0.10	<4.0
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	-0.80	<5.0	0.0	<5.0	0.0	<5.0	-0.30	<5.0
Magnesium	5000	74	7.6	<5000	26.2	<5000	29.5	<5000	15.3	<5000
Manganese	15	.7	0.20	<15	0.0	<15	0.0	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.0	<40	0.0	<40	-0.10	<40
Potassium	10000	200	-21	<10000	8.3	<10000	30.3	<10000	4.8	<10000
Selenium	10	2	-0.70	<10	-1.1	<10	0.0	<10	-2.1	<10
Silver	10	.5	anr							
Sodium	10000	500	-0.10	<10000	3.5	<10000	9.8	<10000	10.3	<10000
Strontium	10	.5								
Thallium	10	1.3	0.0	<10	0.50	<10	0.0	<10	0.50	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.50	<50	0.10	<50	0.10	<50	0.0	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1973
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	0.50	<200	0.50	<200	0.40	<200	0.40	<200
Beryllium	4.0	.5	0.40	<4.0	0.40	<4.0	0.30	<4.0	0.40	<4.0
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	-0.10	<5.0	-0.40	<5.0	1.0	<5.0	1.8	<5.0
Magnesium	5000	74	25.5	<5000	-1.8	<5000	3.1	<5000	15.8	<5000
Manganese	15	.7	0.40	<15	0.40	<15	0.40	<15	0.40	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.10	<40	-0.20	<40	0.40	<40	0.30	<40
Potassium	10000	200	1.9	<10000	35.4	<10000	18.5	<10000	24.8	<10000
Selenium	10	2	-2.2	<10	0.30	<10	-0.90	<10	-2.0	<10
Silver	10	.5	anr							
Sodium	10000	500	12.9	<10000	34.6	<10000	14.3	<10000	13.2	<10000
Strontium	10	.5								
Thallium	10	1.3	1.5	<10	0.30	<10	-0.30	<10	-0.70	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.40	<50	0.50	<50	0.50	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1973
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	0.30	<200	0.30	<200	0.50	<200	0.60	<200
Beryllium	4.0	.5	0.30	<4.0	0.20	<4.0	0.40	<4.0	0.50	<4.0
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	1.3	<5.0	0.80	<5.0	1.2	<5.0	1.0	<5.0
Magnesium	5000	74	5.3	<5000	-3.4	<5000	-2.0	<5000	18.6	<5000
Manganese	15	.7	0.30	<15	0.20	<15	0.30	<15	0.40	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.50	<40	0.50	<40	0.40	<40
Potassium	10000	200	23.1	<10000	-4.7	<10000	17.7	<10000	10.6	<10000
Selenium	10	2	-3.1	<10	-2.7	<10	0.30	<10	-2.6	<10
Silver	10	.5	anr							
Sodium	10000	500	11.7	<10000	1.1	<10000	13.0	<10000	18.8	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.80	<10	0.30	<10	-0.50	<10	0.50	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.50	<50	0.40	<50	0.60	<50	0.60	<50
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
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	2000	2140	107.0	2000	2040	102.0	2000	2120	106.0
Beryllium	2000	2170	108.5	2000	2060	103.0	2000	2160	108.0
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	2000	2060	103.0	2000	2000	100.0	2000	2080	104.0
Magnesium	40000	40700	101.8	40000	41000	102.5	40000	43000	107.5
Manganese	2000	2130	106.5	2000	2080	104.0	2000	2110	105.5
Molybdenum	anr								
Nickel	2000	2150	107.5	2000	2050	102.5	2000	2130	106.5
Potassium	40000	41400	103.5	40000	40700	101.8	40000	42700	106.8
Selenium	2000	2130	106.5	2000	2010	100.5	2000	2070	103.5
Silver	anr								
Sodium	40000	41700	104.3	40000	40900	102.3	40000	42700	106.8
Strontium									
Thallium	2000	2170	108.5	2000	2020	101.0	2000	2090	104.5
Tin	anr								
Titanium	anr								
Vanadium	2000	2190	109.5	2000	2020	101.0	2000	2080	104.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
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	2000	2090	104.5	2000	2120	106.0	2000	2020	101.0
Beryllium	2000	2150	107.5	2000	2140	107.0	2000	2020	101.0
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	2000	2060	103.0	2000	2080	104.0	2000	1990	99.5
Magnesium	40000	42900	107.3	40000	42800	107.0	40000	40200	100.5
Manganese	2000	2080	104.0	2000	2140	107.0	2000	2030	101.5
Molybdenum									
Nickel	2000	2120	106.0	2000	2140	107.0	2000	2020	101.0
Potassium	40000	42300	105.8	40000	42500	106.3	40000	39800	99.5
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2010	100.5
Silver	anr								
Sodium	40000	42300	105.8	40000	42500	106.3	40000	40300	100.8
Strontium									
Thallium	2000	2070	103.5	2000	2100	105.0	2000	2010	100.5
Tin									
Titanium									
Vanadium	2000	2070	103.5	2000	2090	104.5	2000	1980	99.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
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	2000	2050	102.5	2000	2030	101.5	2000	2060	103.0
Beryllium	2000	2060	103.0	2000	2060	103.0	2000	2070	103.5
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	2000	2020	101.0	2000	2000	100.0	2000	2040	102.0
Magnesium	40000	41000	102.5	40000	40800	102.0	40000	41200	103.0
Manganese	2000	2080	104.0	2000	2050	102.5	2000	2100	105.0
Molybdenum									
Nickel	2000	2060	103.0	2000	2040	102.0	2000	2080	104.0
Potassium	40000	40500	101.3	40000	40400	101.0	40000	40400	101.0
Selenium	2000	2030	101.5	2000	2010	100.5	2000	2060	103.0
Silver	anr								
Sodium	40000	40900	102.3	40000	40800	102.0	40000	40900	102.3
Strontium									
Thallium	2000	2040	102.0	2000	2020	101.0	2000	2070	103.5
Tin									
Titanium									
Vanadium	2000	2020	101.0	2000	2000	100.0	2000	2040	102.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
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	2000	2100	105.0	2000	2020	101.0	2000	2000	100.0
Beryllium	2000	2120	106.0	2000	2030	101.5	2000	2020	101.0
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	2000	2070	103.5	2000	2000	100.0	2000	1990	99.5
Magnesium	40000	42000	105.0	40000	40200	100.5	40000	39900	99.8
Manganese	2000	2120	106.0	2000	1990	99.5	2000	2010	100.5
Molybdenum									
Nickel	2000	2100	105.0	2000	2050	102.5	2000	2020	101.0
Potassium	40000	41500	103.8	40000	40200	100.5	40000	39900	99.8
Selenium	2000	2070	103.5	2000	2010	100.5	2000	2000	100.0
Silver	anr								
Sodium	40000	42000	105.0	40000	40500	101.3	40000	40200	100.5
Strontium									
Thallium	2000	2100	105.0	2000	2020	101.0	2000	2010	100.5
Tin									
Titanium									
Vanadium	2000	2060	103.0	2000	1970	98.5	2000	1960	98.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
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	2000	2000	100.0	2000	2010	100.5	2000	2010	100.5
Beryllium	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
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	2000	1990	99.5	2000	1990	99.5	2000	2000	100.0
Magnesium	40000	39900	99.8	40000	40300	100.8	40000	40300	100.8
Manganese	2000	2020	101.0	2000	2050	102.5	2000	2060	103.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2040	102.0	2000	2050	102.5
Potassium	40000	39700	99.3	40000	39700	99.3	40000	39400	98.5
Selenium	2000	2010	100.5	2000	2000	100.0	2000	2020	101.0
Silver	anr								
Sodium	40000	39900	99.8	40000	39900	99.8	40000	39500	98.8
Strontium									
Thallium	2000	2020	101.0	2000	2010	100.5	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	1970	98.5	2000	1990	99.5	2000	2000	100.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
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	2000	2030	101.5
Beryllium	2000	2030	101.5
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	2000	2010	100.5
Magnesium	40000	40600	101.5
Manganese	2000	2070	103.5
Molybdenum			
Nickel	2000	2050	102.5
Potassium	40000	39800	99.5
Selenium	2000	2010	100.5
Silver	anr		
Sodium	40000	39900	99.8
Strontium			
Thallium	2000	2030	101.5
Tin			
Titanium			
Vanadium	2000	2010	100.5
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1973
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	4000	4030	100.8
Beryllium	4000	4030	100.8
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	4000	4080	102.0
Magnesium	80000	81300	101.6
Manganese	4000	3980	99.5
Molybdenum	anr		
Nickel	4000	4010	100.3
Potassium	80000	79800	99.8
Selenium	4000	4070	101.8
Silver	anr		
Sodium	80000	79400	99.3
Strontium			
Thallium	4000	4030	100.8
Tin	anr		
Titanium	anr		
Vanadium	4000	4010	100.3
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1973
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	201	100.5	204	102.0
Beryllium	10	5.0	5.0	100.0	5.0	100.0
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	4.4	88.0	6.3	126.0
Magnesium	10000	5000	4840	96.8	4850	97.0
Manganese	30	15	16.2	108.0	17.5	116.7
Molybdenum	100	50	anr			
Nickel	80	40	42.5	106.3	43.6	109.0
Potassium	20000	10000	9680	96.8	9780	97.8
Selenium	20	10	9.2	92.0	9.8	98.0
Silver	20	10	anr			
Sodium	20000	10000	9600	96.0	9810	98.1
Strontium	20	10				
Thallium	20	10	11.5	115.0	8.5	85.0
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	52.9	105.8	54.5	109.0
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: FA1973
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: FA1973
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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 FA1973)
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: FA1973
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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	ZZZZZZ	20		
15:36	FA2074-1	5		(sample used for QC only; not part of login FA1973)
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		
---------->	Last reportable sample/prep for job FA1973			
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 FA1973			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1973
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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: FA1973
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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	ZZZZZZ	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: FA1973
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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: FA1973
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	-0.60	<6.0	-1.6	<6.0	-0.30	<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	0.10	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	-3.4	<1000	11.6	<1000	0.30	<1000	-1.2	<1000
Chromium	10	1.8	-0.10	<10	0.20	<10	0.30	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	0.0	<5.0	-0.10	<5.0	0.50	<5.0	-0.20	<5.0
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	0.0	<10	-0.40	<10	-1.4	<10	-1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	-0.70	<10	-0.50	<10	-0.40	<10	-0.20	<10
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: FA1973
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	-0.80	<6.0	0.90	<6.0	-0.80	<6.0	-0.20	<6.0
Arsenic	10	1.6	anr							
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	3.0	<1000	1.3	<1000	1.3	<1000	-2.3	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	-0.10	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	-0.70	<5.0	-0.20	<5.0	0.20	<5.0	-0.40	<5.0
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	0.0	<10	0.0	<10	0.60	<10	0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	-0.50	<10	0.30	<10	0.40	<10	0.10	<10
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: FA1973
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	-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
Calcium	1000	50	1.5	<1000
Chromium	10	1.8	0.10	<10
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	anr	
Lead	5.0	1.1	0.10	<5.0
Magnesium	5000	74	anr	
Manganese	15	.7	anr	
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200	anr	
Selenium	10	2	0.30	<10
Silver	10	.5	anr	
Sodium	10000	500	anr	
Strontium	10	.5		
Thallium	10	1.3	0.20	<10
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: FA1973
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	2000	2050	102.5	2000	1950	97.5	2000	2070	103.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2030	101.5	2000	2070	103.5
Calcium	40000	41900	104.8	40000	41300	103.3	40000	41400	103.5
Chromium	2000	2070	103.5	2000	2030	101.5	2000	2050	102.5
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2000	100.0	2000	1950	97.5	2000	2030	101.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2080	104.0	2000	1960	98.0	2000	2070	103.5
Silver	anr								
Sodium	anr								
Strontium									
Thallium	2000	2110	105.5	2000	1970	98.5	2000	2050	102.5
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: FA1973
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	2000	2070	103.5	2000	2150	107.5	2000	1990	99.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2060	103.0	2000	1990	99.5
Calcium	40000	41400	103.5	40000	40500	101.3	40000	39700	99.3
Chromium	2000	2000	100.0	2000	2000	100.0	2000	1970	98.5
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2020	101.0	2000	2050	102.5	2000	1950	97.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2080	104.0	2000	2130	106.5	2000	2000	100.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	2000	2040	102.0	2000	2070	103.5	2000	1970	98.5
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: FA1973
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	2000	1900	95.0	2000	1960	98.0	2000	1950	97.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	1960	98.0	2000	2000	100.0	2000	1980	99.0
Calcium	40000	39100	97.8	40000	39500	98.8	40000	39400	98.5
Chromium	2000	1960	98.0	2000	1970	98.5	2000	1960	98.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	1900	95.0	2000	1940	97.0	2000	1930	96.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	1910	95.5	2000	1980	99.0	2000	1960	98.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	2000	1930	96.5	2000	1960	98.0	2000	1950	97.5
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1973
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	4000	4080	102.0
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	4000	3980	99.5
Calcium	80000	79100	98.9
Chromium	4000	3940	98.5
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	4070	101.8
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	4000	4070	101.8
Silver	anr		
Sodium	anr		
Strontium			
Thallium	4000	4030	100.8
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1973
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	4.4	88.0	4.5	90.0
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.1	102.0	4.8	96.0
Calcium	2000	1000	1040	104.0	1000	100.0
Chromium	20	10	10.1	101.0	9.8	98.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	4.8	96.0	4.3	86.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	10.9	109.0	9.1	91.0
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	8.5	85.0	8.4	84.0
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: FA1973
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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:22	MA10571-STD1	1		STDA
08:26	MA10571-STD2	1		STDB
08:30	MA10571-STD3	1		STDC
08:35	MA10571-STD4	1		STDD
08:41	MA10571-HSTD1	1		
08:48	MA10571-ICV1	1		
08:54	MA10571-ICB1	1		
08:57	MA10571-CRIA1	1		
09:05	MA10571-ICSA1	1		
09:15	MA10571-ICSAB1	1		
09:19	MA10571-CCV1	1		
09:30	MA10571-CCB1	1		
09:34	MP24692-MB1	1		
09:38	MP24692-B1	1		
10:16	MA10571-CCV2	1		
10:20	MA10571-CCB2	1		
10:47	ZZZZZZ	5		
10:52	ZZZZZZ	5		
10:56	ZZZZZZ	5		
11:00	ZZZZZZ	5		
11:05	ZZZZZZ	5		
11:09	ZZZZZZ	5		
11:14	MA10571-CCV3	1		
11:17	MA10571-CCB3	1		
11:22	ZZZZZZ	5		
11:26	ZZZZZZ	5		
11:31	ZZZZZZ	5		
11:35	ZZZZZZ	5		
11:39	ZZZZZZ	5		
11:44	ZZZZZZ	5		
11:48	ZZZZZZ	5		
11:53	ZZZZZZ	5		
11:57	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	12:01	ZZZZZZ	5		
	12:06	MA10571-CCV4	1		
	12:10	MA10571-CCB4	1		
	12:14	ZZZZZZ	5		
	12:18	ZZZZZZ	5		
	12:23	ZZZZZZ	2		
	12:27	ZZZZZZ	2		
	12:31	ZZZZZZ	20		
	12:35	ZZZZZZ	20		
	12:40	ZZZZZZ	20		
	12:44	ZZZZZZ	20		
	12:48	FA1973-1	25		
	12:52	FA1973-2	25		
---------->	Last reportable sample/prep for job FA1973				
	12:56	MA10571-CCV5	1		
	13:00	MA10571-CCB5	1		
	13:04	MP24698-MB1	1		
	13:09	MP24698-B1	1		
	13:13	FA2156-1	1		(sample used for QC only; not part of login FA1973)
	13:17	MP24698-D1	1		
	13:21	MP24698-SD1	5		
	13:26	MP24698-PS1	1		
	13:30	MP24698-S1	1		
	13:34	MP24698-S2	1		
	13:38	ZZZZZZ	1		
	13:43	ZZZZZZ	1		
	13:47	MA10571-CCV6	1		
	13:51	MA10571-CCB6	1		
	14:18	MA10571-CCV7	1		
	14:26	MA10571-CCB7	1		
	14:30	FA2156-1	5		(sample used for QC only; not part of login FA1973)
	14:34	MP24698-D1	5		
	14:39	MP24698-SD1	25		
	14:43	MP24698-PS1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:47	MP24698-S1	5		
14:51	MP24698-S2	5		
14:55	ZZZZZZ	5		
14:59	ZZZZZZ	5		
15:03	MP24695-MB1	1		
15:08	MP24695-B1	1		
15:12	MA10571-CCV8	1		
15:16	MA10571-CCB8	1		
15:20	FA2128-1	1		(sample used for QC only; not part of login FA1973)
15:24	MP24695-D1	1		
15:28	MP24695-SD1	5		
15:32	MP24695-PS1	1		
15:36	MP24695-S1	1		
15:40	MP24695-S2	1		
15:44	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:01	MA10571-CCV9	1		
16:05	MA10571-CCB9	1		
16:13	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:51	MA10571-CCV10	1		
16:55	MA10571-CCB10	1		
16:59	ZZZZZZ	1		
17:03	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:07	ZZZZZZ	1		
17:11	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:20	MP24697-MB1	1		
17:24	MP24697-B1	1		
17:28	FA1975-1A	1		(sample used for QC only; not part of login FA1973)
17:32	MP24697-D1	1		
17:36	MP24697-SD1	5		
17:40	MA10571-CCV11	1		
17:44	MA10571-CCB11	1		
17:49	MP24697-S1	1		
17:53	MP24697-S2	1		
17:56	ZZZZZZ	1		
18:01	ZZZZZZ	1		
18:05	ZZZZZZ	1		
18:09	ZZZZZZ	1		
18:13	ZZZZZZ	1		
18:17	MP24697-D2	1		
18:21	MP24697-MB2	1		
18:26	MP24697-B2	1		
18:30	MA10571-CCV12	1		
18:34	MA10571-CCB12	1		
18:38	MP24700-MB1	1		
18:42	MP24700-B1	1		
18:46	FA2170-1	1		(sample used for QC only; not part of login FA1973)
18:50	MP24700-D1	1		
18:54	MP24700-SD1	5		
18:58	MP24700-PS1	1		
19:02	MP24700-S1	1		
19:06	MP24700-S2	1		
19:10	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:19	MA10571-CCV13	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:23	MA10571-CCB13	1		
19:27	ZZZZZZ	1		
19:31	ZZZZZZ	1		
19:35	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:47	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:56	ZZZZZZ	1		
20:00	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:08	MA10571-CCV14	1		
20:12	MA10571-CCB14	1		
20:17	ZZZZZZ	1		
20:21	MA10571-CRIA2	1		
20:25	MA10571-ICSA2	1		
20:29	MA10571-ICSAB2	1		
20:33	MA10571-CCV15	1		
20:37	MA10571-CCB15	1		

----------> Last reportable CCB for job FA1973
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:22	MA10571-STD1	6876	35464	4184	3143
08:26	MA10571-STD2	6781	34657	4159	2877
08:30	MA10571-STD3	6461	33303	4130	2539
08:35	MA10571-STD4	6233	32633	4086	2315
08:41	MA10571-HSTD1	6208	32411	4002	2300
08:48	MA10571-ICV1	6285	32385	4036	2505
08:54	MA10571-ICB1	6811 R	34979 R	4140 R	3135 R
08:57	MA10571-CRIA1	6708	34814	4149	2956
09:05	MA10571-ICSA1	5787	29334	3924	2192
09:15	MA10571-ICSAB1	5789	29620	3918	2174
09:19	MA10571-CCV1	6365	32639	4065	2544
09:30	MA10571-CCB1	6790	35162	4131	3102
09:34	MP24692-MB1	6793	35064	4172	3081
09:38	MP24692-B1	6400	32910	3960	2623
10:16	MA10571-CCV2	6350	32715	4015	2544
10:20	MA10571-CCB2	6757	34852	4069	3110
10:47	ZZZZZZ	5714	30261	3744	2213
10:52	ZZZZZZ	5700	30081	3693	2176
10:56	ZZZZZZ	5693	29873	3760	2173
11:00	ZZZZZZ	5918	30751	3856	2243
11:05	ZZZZZZ	5660	29723	3774	2191
11:09	ZZZZZZ	5644	29870	3712	2187
11:14	MA10571-CCV3	6471	33333	3914	2543
11:17	MA10571-CCB3	6754	34673	3957	3124
11:22	ZZZZZZ	5602	29310	3720	2184
11:26	ZZZZZZ	5660	29759	3749	2179
11:31	ZZZZZZ	5650	29730	3681	2162
11:35	ZZZZZZ	5720	29886	3652	2194
11:39	ZZZZZZ	5747	29822	3749	2218
11:44	ZZZZZZ	5670	29986	3733	2230
11:48	ZZZZZZ	5768	30262	3735	2269
11:53	ZZZZZZ	5879	30722	3784	2208
11:57	ZZZZZZ	5686	29876	3662	2205

INTERNAL STANDARD SUMMARY

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:01	ZZZZZZ	5910	30906	3801	2268
12:06	MA10571-CCV4	6357	32734	3889	2558
12:10	MA10571-CCB4	6719	34830	3884	3124
12:14	ZZZZZZ	5723	30365	3662	2199
12:18	ZZZZZZ	5899	30855	3786	2212
12:23	ZZZZZZ	7547	38680	4547	2737
12:27	ZZZZZZ	7206	36962	4324	2778
12:31	ZZZZZZ	6012	31616	3669	2467
12:35	ZZZZZZ	6285	32691	3788	2594
12:40	ZZZZZZ	6136	32103	3778	2592
12:44	ZZZZZZ	6108	32008	3784	2590
12:48	FA1973-1	8199	42134	4944	2725
12:52	FA1973-2	7831	40054	4599	2787
12:56	MA10571-CCV5	6289	32643	3820	2547
13:00	MA10571-CCB5	6599	34384	3872	3133
13:04	MP24698-MB1	6487	36103	3784	3042
13:09	MP24698-B1	6273	32835	3790	2670
13:13	FA2156-1	6105			
13:17	MP24698-D1	5806			
13:21	MP24698-SD1	6188			
13:26	MP24698-PS1	6045			
13:30	MP24698-S1	6048			
13:34	MP24698-S2	5788			
13:38	ZZZZZZ	5838			
13:43	ZZZZZZ	5879			
13:47	MA10571-CCV6	6242	33133	3773	2575
13:51	MA10571-CCB6	6556	34502	3728	3110
14:18	MA10571-CCV7	6118	32201	3777	2577
14:26	MA10571-CCB7	6490	34616	3814	3122
14:30	FA2156-1	6173	32815	3743	2559
14:34	MP24698-D1	6024	31953	3721	2487
14:39	MP24698-SD1	6348	33213	3812	2908
14:43	MP24698-PS1	5531	31025	3704	2316

INTERNAL STANDARD SUMMARY

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:47	MP24698-S1	6110	32317	3862	2562
14:51	MP24698-S2	6048	32193	3786	2423
14:55	ZZZZZZ	6138	32459	3718	2505
14:59	ZZZZZZ	6041	31684	3715	2517
15:03	MP24695-MB1	6420	34029	3851	3122
15:08	MP24695-B1	6159	32591	3817	2710
15:12	MA10571-CCV8	6106	32371	3773	2559
15:16	MA10571-CCB8	6610	34549	3753	3135
15:20	FA2128-1	6418	33716	3841	2728
15:24	MP24695-D1	6280	33334	3907	2716
15:28	MP24695-SD1	6389	33823	3862	2950
15:32	MP24695-PS1	6253	33137	3896	2671
15:36	MP24695-S1	6379	33588	3765	2600
15:40	MP24695-S2	6364	33265	3911	2609
15:44	ZZZZZZ	6277	33321	3870	2730
15:49	ZZZZZZ	6217	32993	3907	2752
15:53	ZZZZZZ	6376	33974	3946	2752
15:57	ZZZZZZ	6116	32292	3723	2596
16:01	MA10571-CCV9	6210	32679	3735	2580
16:05	MA10571-CCB9	6465	33958	3833	3144
16:13	ZZZZZZ	5960	31909	3743	2531
16:17	ZZZZZZ	6150	32673	3727	2683
16:22	ZZZZZZ	6053	31808	3881	2430
16:26	ZZZZZZ	6405	34034	3905	3039
16:30	ZZZZZZ	6103	32915	3866	2719
16:34	ZZZZZZ	6077	32486	3787	2630
16:38	ZZZZZZ	6321	33594	3843	2731
16:42	ZZZZZZ	6134	32449	3782	2694
16:47	ZZZZZZ	5916	31663	3931	2269
16:51	MA10571-CCV10	6085	32222	3824	2577
16:55	MA10571-CCB10	6555	34703	3810	3137
16:59	ZZZZZZ	6085	32593	3803	2622
17:03	ZZZZZZ	6572	34826	3959	3156

INTERNAL STANDARD SUMMARY

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:07	ZZZZZZ	6538	34647	3929	3185
17:11	ZZZZZZ	7120	37415	4225	2970
17:16	ZZZZZZ	6435	34188	3821	2842
17:20	MP24697-MB1	6609	35029	3856	3159
17:24	MP24697-B1	6199	32772	3787	2728
17:28	FA1975-1A	6153	32699	3836	2690
17:32	MP24697-D1	6274	32975	3762	2684
17:36	MP24697-SD1	6361	33388	3698	2865
17:40	MA10571-CCV11	6105	31953	3744	2556
17:44	MA10571-CCB11	6454	34548	3853	3136
17:49	MP24697-S1	6061	31921	3696	2493
17:53	MP24697-S2	6114	32060	3730	2534
17:56	ZZZZZZ	6042	31979	3758	2667
18:01	ZZZZZZ	6052	32113	3726	2646
18:05	ZZZZZZ	6121	32251	3669	2614
18:09	ZZZZZZ	6161	32205	3731	2687
18:13	ZZZZZZ	6045	31737	3757	2645
18:17	MP24697-D2	6168	32782	3717	2665
18:21	MP24697-MB2	6140	32425	3712	2676
18:26	MP24697-B2	5981	31272	3727	2531
18:30	MA10571-CCV12	6073	32090	3750	2573
18:34	MA10571-CCB12	6431	33765	3707	3088
18:38	MP24700-MB1	6634	34808	3722	3224
18:42	MP24700-B1	6290	32719	3773	2750
18:46	FA2170-1	7451	38975	4534	2756
18:50	MP24700-D1	7451	39323	4560	2760
18:54	MP24700-SD1	6703	35374	3871	2928
18:58	MP24700-PS1	7557	39330	4431	2709
19:02	MP24700-S1	7314	38376	4501	2606
19:06	MP24700-S2	7257	38149	4501	2592
19:10	ZZZZZZ	6468	34010	3928	2877
19:14	ZZZZZZ	6508	34435	3956	2638
19:19	MA10571-CCV13	6119	31998	3666	2544

INTERNAL STANDARD SUMMARY

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:23	MA10571-CCB13	6437	33796	3740	3134
19:27	ZZZZZZ	6911	36059	4089	2936
19:31	ZZZZZZ	6898	36328	4056	2902
19:35	ZZZZZZ	7733	40426	4454	2932
19:39	ZZZZZZ	6860	35896	4090	2870
19:43	ZZZZZZ	6602	34676	4039	2645
19:47	ZZZZZZ	6903	36362	4095	2910
19:52	ZZZZZZ	7583	39741	4476	2656
19:56	ZZZZZZ	7056	36919	4370	2632
20:00	ZZZZZZ	8206	42822	4941	2658
20:04	ZZZZZZ	8755 !	45694 !	5273 !	2638
20:08	MA10571-CCV14	6225	32747	3661	2541
20:12	MA10571-CCB14	6586	34433	3670	3110
20:17	ZZZZZZ	6831	35816	4253	2397
20:21	MA10571-CRIA2	6383	33559	3714	2947
20:25	MA10571-ICSA2	5566	28858	3585	2211
20:29	MA10571-ICSAB2	5588	28991	3551	2167
20:33	MA10571-CCV15	6261	32259	3650	2561
20:37	MA10571-CCB15	6529	34194	3734	3125

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: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10571 Units: ug/l

Time:			08:54		09:30		10:20		11:17	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.80	<200	2.0	<200	6.8	<200	-2.7	<200
Antimony	6.0	1.3	0.80	<6.0	0.10	<6.0	-0.20	<6.0	-1.0	<6.0
Arsenic	10	1.6	0.30	<10	0.0	<10	-0.20	<10	0.80	<10
Barium	200	1	0.20	<200	0.20	<200	0.30	<200	0.10	<200
Beryllium	4.0	.5	0.10	<4.0	0.20	<4.0	0.20	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	2.8	<1000	9.7	<1000	6.5	<1000	19.7	<1000
Chromium	10	1.8	0.10	<10	0.30	<10	0.20	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-0.40	<300	4.1	<300	8.6	<300	4.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	27.1	<5000	17.8	<5000	26.8	<5000	22.4	<5000
Manganese	15	.7	0.10	<15	0.10	<15	0.10	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.10	<40	0.40	<40	0.40	<40	0.40	<40
Potassium	10000	200	115	<10000	13.2	<10000	15.2	<10000	144	<10000
Selenium	10	2	0.80	<10	-0.10	<10	-0.30	<10	-1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	47.6	<10000	52.5	<10000	24.2	<10000	84.3	<10000
Strontium	10	.5								
Thallium	10	1.3	0.80	<10	0.10	<10	-0.10	<10	-0.50	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.20	<50	-0.10	<50	0.0	<50	0.0	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10571 Units: ug/l

Time:			12:10		13:00		13:51		14:26	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.7	<200	-1.9	<200	-16	<200	1.8	<200
Antimony	6.0	1.3	-0.80	<6.0	-0.20	<6.0	0.50	<6.0	0.10	<6.0
Arsenic	10	1.6	0.20	<10	0.50	<10	0.70	<10	-0.20	<10
Barium	200	1	0.10	<200	0.40	<200	0.0	<200	0.20	<200
Beryllium	4.0	.5	0.10	<4.0	0.30	<4.0	0.10	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.10	<5.0	0.30	<5.0
Calcium	1000	50	16.6	<1000	14.4	<1000	18.1	<1000	5.3	<1000
Chromium	10	1.8	0.0	<10	0.30	<10	0.0	<10	-0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	7.5	<300	8.0	<300	2.3	<300	3.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	22.3	<5000	26.5	<5000	21.6	<5000	7.2	<5000
Manganese	15	.7	0.10	<15	0.20	<15	0.0	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.10	<40	0.20	<40	0.0	<40	0.30	<40
Potassium	10000	200	41.7	<10000	12.3	<10000	-20	<10000	34.3	<10000
Selenium	10	2	-0.40	<10	0.30	<10	-0.40	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	58.1	<10000	41.4	<10000	54.0	<10000	12.5	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.10	<10	-0.20	<10	-0.70	<10	0.0	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.0	<50	-0.10	<50	-0.30	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10571 Units: ug/l

Time:			15:16		16:05		16:55		17:44	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.4	<200	-3.3	<200	-1.1	<200	6.7	<200
Antimony	6.0	1.3	0.20	<6.0	0.20	<6.0	-0.80	<6.0	0.30	<6.0
Arsenic	10	1.6	-0.40	<10	0.10	<10	-0.20	<10	0.10	<10
Barium	200	1	0.10	<200	0.0	<200	0.10	<200	0.30	<200
Beryllium	4.0	.5	0.10	<4.0	0.0	<4.0	0.10	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.30	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	7.8	<1000	-2.9	<1000	-1.0	<1000	2.3	<1000
Chromium	10	1.8	-0.20	<10	-0.30	<10	0.0	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	5.3	<300	8.0	<300	7.6	<300	8.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	20.8	<5000	3.5	<5000	12.1	<5000	13.0	<5000
Manganese	15	.7	0.20	<15	0.10	<15	0.10	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.20	<40	0.10	<40	0.0	<40	0.10	<40
Potassium	10000	200	8.8	<10000	34.2	<10000	175	<10000	35.4	<10000
Selenium	10	2	-0.70	<10	-1.5	<10	-0.50	<10	-1.1	<10
Silver	10	.5	anr							
Sodium	10000	500	4.0	<10000	62.7	<10000	156	<10000	47.9	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.10	<10	-0.20	<10	-0.50	<10	-0.80	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.20	<50	0.10	<50	0.20	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10571 Units: ug/l

Time:			18:34		19:23		20:12		20:37	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	14.0	<200	4.5	<200	-7.1	<200	7.8	<200
Antimony	6.0	1.3	0.30	<6.0	-0.40	<6.0	0.0	<6.0	-0.50	<6.0
Arsenic	10	1.6	-0.40	<10	-0.20	<10	-0.30	<10	-0.50	<10
Barium	200	1	0.40	<200	0.40	<200	0.0	<200	0.0	<200
Beryllium	4.0	.5	0.20	<4.0	0.30	<4.0	0.0	<4.0	0.0	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	3.6	<1000	-0.80	<1000	5.5	<1000	5.3	<1000
Chromium	10	1.8	0.20	<10	-0.10	<10	-0.30	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	10.3	<300	8.1	<300	5.3	<300	8.1	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-5.2	<5000	-1.7	<5000	7.2	<5000	-7.5	<5000
Manganese	15	.7	0.30	<15	0.30	<15	0.10	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.20	<40	0.30	<40	0.10	<40	0.10	<40
Potassium	10000	200	33.1	<10000	18.1	<10000	4.8	<10000	-6.7	<10000
Selenium	10	2	-0.80	<10	0.60	<10	0.10	<10	-1.1	<10
Silver	10	.5	anr							
Sodium	10000	500	108	<10000	71.6	<10000	78.3	<10000	34.2	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.90	<10	0.30	<10	-0.50	<10	-0.70	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.10	<50	0.10	<50	0.10	<50
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		08:48			09:19			10:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41400	103.5	40000	40100	100.3	40000	40500	101.3
Antimony	2000	2100	105.0	2000	2030	101.5	2000	2070	103.5
Arsenic	2000	2050	102.5	2000	2010	100.5	2000	2050	102.5
Barium	2000	2060	103.0	2000	2000	100.0	2000	2040	102.0
Beryllium	2000	2110	105.5	2000	2040	102.0	2000	2060	103.0
Cadmium	2000	2090	104.5	2000	2020	101.0	2000	2040	102.0
Calcium	40000	42000	105.0	40000	40200	100.5	40000	40600	101.5
Chromium	2000	2110	105.5	2000	2030	101.5	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	41500	103.8	40000	40900	102.3	40000	41600	104.0
Lead	anr								
Magnesium	40000	39800	99.5	40000	40400	101.0	40000	41000	102.5
Manganese	2000	2120	106.0	2000	2060	103.0	2000	2080	104.0
Molybdenum	anr								
Nickel	2000	2130	106.5	2000	2060	103.0	2000	2090	104.5
Potassium	40000	41300	103.3	40000	40400	101.0	40000	41100	102.8
Selenium	2000	2130	106.5	2000	2030	101.5	2000	2060	103.0
Silver	anr								
Sodium	40000	41100	102.8	40000	40000	100.0	40000	40600	101.5
Strontium									
Thallium	2000	2130	106.5	2000	2000	100.0	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	2000	100.0	2000	2070	103.5	2000	2080	104.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		11:14			12:06			12:56	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39300	98.3	40000	39000	97.5
Antimony	2000	1990	99.5	2000	2050	102.5	2000	2060	103.0
Arsenic	2000	1970	98.5	2000	2030	101.5	2000	2030	101.5
Barium	2000	2010	100.5	2000	2000	100.0	2000	1990	99.5
Beryllium	2000	1950	97.5	2000	2000	100.0	2000	1980	99.0
Cadmium	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Calcium	40000	39800	99.5	40000	40100	100.3	40000	39800	99.5
Chromium	2000	2000	100.0	2000	2030	101.5	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	40000	40000	100.0	40000	41200	103.0	40000	41000	102.5
Lead	anr								
Magnesium	40000	39500	98.8	40000	40100	100.3	40000	40000	100.0
Manganese	2000	2020	101.0	2000	2060	103.0	2000	2060	103.0
Molybdenum	anr								
Nickel	2000	2010	100.5	2000	2070	103.5	2000	2080	104.0
Potassium	40000	39600	99.0	40000	40000	100.0	40000	39300	98.3
Selenium	2000	1980	99.0	2000	2050	102.5	2000	2050	102.5
Silver	anr								
Sodium	40000	39500	98.8	40000	38700	96.8	40000	38400	96.0
Strontium									
Thallium	2000	1970	98.5	2000	2010	100.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	2020	101.0	2000	2080	104.0	2000	2050	102.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		13:47			14:18			15:12	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38900	97.3	40000	40000	100.0	40000	40300	100.8
Antimony	2000	2110	105.5	2000	2040	102.0	2000	2040	102.0
Arsenic	2000	2070	103.5	2000	2020	101.0	2000	2030	101.5
Barium	2000	2030	101.5	2000	1990	99.5	2000	2020	101.0
Beryllium	2000	2040	102.0	2000	2050	102.5	2000	2070	103.5
Cadmium	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Calcium	40000	40000	100.0	40000	40400	101.0	40000	40600	101.5
Chromium	2000	1950	97.5	2000	2050	102.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	42800	107.0	40000	40800	102.0	40000	41700	104.3
Lead	anr								
Magnesium	40000	40900	102.3	40000	40400	101.0	40000	40800	102.0
Manganese	2000	2090	104.5	2000	2050	102.5	2000	2070	103.5
Molybdenum	anr								
Nickel	2000	2130	106.5	2000	2060	103.0	2000	2070	103.5
Potassium	40000	39100	97.8	40000	40300	100.8	40000	40200	100.5
Selenium	2000	2080	104.0	2000	2050	102.5	2000	2050	102.5
Silver	anr								
Sodium	40000	37500	93.8	40000	39900	99.8	40000	39800	99.5
Strontium									
Thallium	2000	2040	102.0	2000	2000	100.0	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	2030	101.5	2000	2080	104.0	2000	2070	103.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		16:01			16:51			17:40	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	39700	99.3	40000	40500	101.3
Antimony	2000	2010	100.5	2000	2080	104.0	2000	2060	103.0
Arsenic	2000	1990	99.5	2000	2040	102.0	2000	2040	102.0
Barium	2000	1990	99.5	2000	1990	99.5	2000	1990	99.5
Beryllium	2000	2040	102.0	2000	2060	103.0	2000	2060	103.0
Cadmium	2000	2000	100.0	2000	2010	100.5	2000	2040	102.0
Calcium	40000	40700	101.8	40000	40100	100.3	40000	41000	102.5
Chromium	2000	2030	101.5	2000	2040	102.0	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	41300	103.3	40000	41100	102.8
Lead	anr								
Magnesium	40000	40400	101.0	40000	40300	100.8	40000	40800	102.0
Manganese	2000	2030	101.5	2000	2080	104.0	2000	2080	104.0
Molybdenum	anr								
Nickel	2000	2010	100.5	2000	2080	104.0	2000	2070	103.5
Potassium	40000	39800	99.5	40000	39800	99.5	40000	40100	100.3
Selenium	2000	2000	100.0	2000	2070	103.5	2000	2070	103.5
Silver	anr								
Sodium	40000	39600	99.0	40000	38200	95.5	40000	39600	99.0
Strontium									
Thallium	2000	1980	99.0	2000	2020	101.0	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	2060	103.0	2000	2090	104.5	2000	2120	106.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		18:30			19:19			20:08	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40400	101.0	40000	40200	100.5
Antimony	2000	2080	104.0	2000	2040	102.0	2000	1990	99.5
Arsenic	2000	2060	103.0	2000	2020	101.0	2000	1980	99.0
Barium	2000	2000	100.0	2000	2000	100.0	2000	2010	100.5
Beryllium	2000	2080	104.0	2000	2030	101.5	2000	2020	101.0
Cadmium	2000	2030	101.5	2000	2030	101.5	2000	2020	101.0
Calcium	40000	40700	101.8	40000	40800	102.0	40000	40500	101.3
Chromium	2000	2060	103.0	2000	2070	103.5	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	41300	103.3	40000	40500	101.3	40000	40300	100.8
Lead	anr								
Magnesium	40000	40700	101.8	40000	40300	100.8	40000	40000	100.0
Manganese	2000	2090	104.5	2000	2060	103.0	2000	2040	102.0
Molybdenum	anr								
Nickel	2000	2090	104.5	2000	2050	102.5	2000	1990	99.5
Potassium	40000	40200	100.5	40000	39800	99.5	40000	39500	98.8
Selenium	2000	2080	104.0	2000	2050	102.5	2000	2000	100.0
Silver	anr								
Sodium	40000	39000	97.5	40000	39700	99.3	40000	39500	98.8
Strontium									
Thallium	2000	2030	101.5	2000	2010	100.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	2110	105.5	2000	2090	104.5	2000	2030	101.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		20:33	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Aluminum	40000	40100	100.3
Antimony	2000	1980	99.0
Arsenic	2000	1980	99.0
Barium	2000	1990	99.5
Beryllium	2000	1990	99.5
Cadmium	2000	2020	101.0
Calcium	40000	40600	101.5
Chromium	2000	2090	104.5
Cobalt	anr		
Copper	anr		
Iron	40000	39700	99.3
Lead	anr		
Magnesium	40000	39900	99.8
Manganese	2000	2070	103.5
Molybdenum	anr		
Nickel	2000	1990	99.5
Potassium	40000	39200	98.0
Selenium	2000	1990	99.5
Silver	anr		
Sodium	40000	39700	99.3
Strontium			
Thallium	2000	1990	99.5
Tin			
Titanium			
Vanadium	2000	2080	104.0
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10571 Units: ug/l

Time:		08:41	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	3980	99.5
Arsenic	4000	4000	100.0
Barium	4000	4010	100.3
Beryllium	4000	3960	99.0
Cadmium	4000	3960	99.0
Calcium	80000	79700	99.6
Chromium	4000	3950	98.8
Cobalt	anr		
Copper	anr		
Iron	80000	79500	99.4
Lead	anr		
Magnesium	80000	79900	99.9
Manganese	4000	3960	99.0
Molybdenum	anr		
Nickel	4000	3950	98.8
Potassium	80000	80500	100.6
Selenium	4000	3960	99.0
Silver	anr		
Sodium	80000	80500	100.6
Strontium			
Thallium	4000	4010	100.3
Tin			
Titanium			
Vanadium	4000	3940	98.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10571 Units: ug/l

Time:			08:57		20:21	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	202	101.0	207	103.5
Antimony	10	5.0	5.0	100.0	4.3	86.0
Arsenic	20	10	10.4	104.0	9.8	98.0
Barium	400	200	198	99.0	202	101.0
Beryllium	10	5.0	5.1	102.0	5.1	102.0
Cadmium	10	5.0	5.1	102.0	5.2	104.0
Calcium	2000	1000	1030	103.0	1070	107.0
Chromium	20	10	9.9	99.0	10.3	103.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	322	107.3	336	112.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5030	100.6	5220	104.4
Manganese	30	15	15.6	104.0	16.4	109.3
Molybdenum	100	50	anr			
Nickel	80	40	42.1	105.3	43.0	107.5
Potassium	20000	10000	9710	97.1	10100	101.0
Selenium	20	10	9.5	95.0	10.1	101.0
Silver	20	10	anr			
Sodium	20000	10000	9860	98.6	10200	102.0
Strontium	20	10				
Thallium	20	10	9.0	90.0	9.0	90.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	47.4	94.8	49.7	99.4
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: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10571 Units: ug/l

Time:			09:05		09:15		20:25		20:29	
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	504000	100.8	520000	104.0	506000	101.2
Antimony		1000	1.4		1010	101.0	-0.40		1000	100.0
Arsenic		1000	-1.2		1010	101.0	-1.5		1010	101.0
Barium		500	-0.40		528	105.6	-0.30		529	105.8
Beryllium		500	0.0		510	102.0	0.0		511	102.2
Cadmium		1000	0.0		964	96.4	-0.80		976	97.6
Calcium	500000	500000	492000	98.4	479000	95.8	496000	99.2	484000	96.8
Chromium		500	-0.20		501	100.2	0.0		511	102.2
Cobalt		500	0.40		475	95.0	0.30		478	95.6
Copper		500	0.10		548	109.6	1.1		554	110.8
Iron	200000	200000	196000	98.0	181000	90.5	195000	97.5	180000	90.0
Lead		1000	0.30		958	95.8	-6.8		970	97.0
Magnesium	500000	500000	491000	98.2	476000	95.2	491000	98.2	476000	95.2
Manganese		500	0.70		516	103.2	0.40		523	104.6
Molybdenum		1000	-0.30		925	92.5	0.10		912	91.2
Nickel		1000	-0.40		955	95.5	-0.20		948	94.8
Potassium			95.4		107		85.2		41.8	
Selenium		1000	0.0		987	98.7	-1.9		989	98.9
Silver		1000	-1.0		1050	105.0	-0.80		1060	106.0
Sodium			149		217		283		229	
Strontium		1000	3.5		991	99.1	3.3		989	98.9
Thallium		1000	0.0		936	93.6	-0.30		951	95.1
Tin		1000	-0.60		865	86.5	0.10		872	87.2
Titanium		1000	-2.8		990	99.0	-2.5		1000	100.0
Vanadium		500	0.10		495	99.0	0.40		501	100.2
Zinc		1000	1.3		984	98.4	1.9		979	97.9

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/26/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	0.57	<10
Antimony	1.0	.065	.095	-0.010	<1.0
Arsenic	0.50	.08	.08	-0.17	<0.50
Barium	10	.05	.25	0.0050	<10
Beryllium	0.25	.025	.025	0.0	<0.25
Cadmium	0.20	.025	.025	-0.0050	<0.20
Calcium	250	2.5	2.5	1.7	<250
Chromium	0.50	.09	.09	0.020	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	1.2	<15
Lead	1.0	.055	.055	-0.030	<1.0
Magnesium	250	3.7	3.8	1.0	<250
Manganese	0.75	.035	.045	0.010	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	-0.0050	<2.0
Potassium	500	10	10	0.76	<500
Selenium	1.0	.1	.15	-0.025	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	0.96	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.11	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	-0.0050	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24678: FA1973-1, FA1973-2, FA1973-3, FA1973-4

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: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			02/26/13					02/26/13	
Metal	FA2074-1 Original	DUP	RPD	QC Limits	FA2074-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	2850	2980	4.5	0-20	2850	4020	1340	87.4	80-120
Antimony	0.99	0.77 (a)	25.0 (b)	0-20	0.99	17.5 (a)	24.8	66.6N(d)	80-120
Arsenic	12.9	10.6	12.4	0-20	12.9	90.1	99.2	78.7N(d)	80-120
Barium	18.2	19.2	5.3	0-20	18.2	107	99.2	89.5	80-120
Beryllium	0.0	0.10	5.1	0-20	0.0	2.4	2.48	92.9	80-120
Cadmium	0.030	0.0 (a)	0.0	0-20	0.030	2.2 (a)	2.48	88.7	80-120
Calcium	61100	63100	3.2	0-20	61100	62700	1240	129.0(e)	80-120
Chromium	6.5	8.8 (a)	12.0	0-20	6.5	17.4 (a)	9.92	96.8	80-120
Cobalt									
Copper									
Iron	3770	4210	19.0	0-20	3770	4290	1290	62.8N(d)	80-120
Lead	14.8	16.0 (a)	2.5	0-20	14.8	38.3 (a)	24.8	91.5	80-120
Magnesium	578	717	33.0 (b)	0-20	578	1670	1240	93.2	80-120
Manganese	23.0	25.5	26.7*(c)	0-20	23.0	38.2	24.8	75.4N(d)	80-120
Molybdenum									
Nickel	2.0	2.5	22.2 (b)	0-20	2.0	21.6	24.8	79.0N(d)	80-120
Potassium	230	210	9.1	0-20	230	1430	1240	96.8	80-120
Selenium	0.0	0.0 (a)	NC	0-20	0.0	93.6 (a)	99.2	94.4	80-120
Silver	anr								
Sodium	286	428	39.8 (b)	0-20	286	1680	1240	112.4	80-120
Strontium									
Thallium	0.0	0.0 (a)	NC	0-20	0.0	93.9 (a)	99.2	94.7	80-120
Tin									
Titanium									
Vanadium	8.3	7.1	15.6	0-20	8.3	27.9	24.8	79.0N(d)	80-120
Zinc									

Associated samples MP24678: FA1973-1, FA1973-2, FA1973-3, FA1973-4

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) Elevated reporting limit(s) due to matrix interference.
(b) RPD acceptable due to low duplicate and sample concentrations.
(c) High RPD due to possible sample nonhomogeneity.
(d) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(e) 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: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 02/26/13

Metal	FA2074-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	2850	3880	1060	96.8	3.5	20
Antimony	0.99	12.1 (a)	19.7	56.4N(b)	36.5 (c)	20
Arsenic	12.9	72.9	78.8	77.3N(b)	21.1 (c)	20
Barium	18.2	84.7	78.8	84.4	23.3 (c)	20
Beryllium	0.0	1.8	1.97	86.5	28.6 (c)	20
Cadmium	0.030	1.5 (a)	1.97	76.1N(b)	37.8 (c)	20
Calcium	61100	77300	985	1644.3(d	20.9 (c)	20
Chromium	6.5	16.0 (a)	7.88	104.0	8.4	20
Cobalt						
Copper						
Iron	3770	3980	1020	48.8N(b)	7.5	20
Lead	14.8	34.2 (a)	19.7	94.4	11.3	20
Magnesium	578	1380	985	87.9	19.0	20
Manganese	23.0	33.0	19.7	68.5N(b)	14.6	20
Molybdenum						
Nickel	2.0	16.6	19.7	74.1N(b)	26.2 (c)	20
Potassium	230	1150	985	93.4	21.7 (c)	20
Selenium	0.0	74.8 (a)	78.8	94.9	22.3 (c)	20
Silver	anr					
Sodium	286	1250	985	97.8	29.4 (c)	20
Strontium						
Thallium	0.0	74.0 (a)	78.8	93.9	23.7 (c)	20
Tin						
Titanium						
Vanadium	8.3	24.1	19.7	80.2	14.6	20
Zinc						

Associated samples MP24678: FA1973-1, FA1973-2, FA1973-3, FA1973-4

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) Elevated reporting limit(s) due to matrix interference.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(c) High RPD due to possible sample nonhomogeneity.
(d) 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: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/26/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1470	1350	108.9	80-120
Antimony	26.7	25	106.8	80-120
Arsenic	103	100	103.0	80-120
Barium	109	100	109.0	80-120
Beryllium	2.8	2.5	112.0	80-120
Cadmium	2.6	2.5	104.0	80-120
Calcium	1380	1250	110.4	80-120
Chromium	11.0	10	110.0	80-120
Cobalt				
Copper				
Iron	1450	1300	111.5	80-120
Lead	25.0	25	100.0	80-120
Magnesium	1340	1250	107.2	80-120
Manganese	27.7	25	110.8	80-120
Molybdenum				
Nickel	27.3	25	109.2	80-120
Potassium	1370	1250	109.6	80-120
Selenium	105	100	105.0	80-120
Silver	anr			
Sodium	1380	1250	110.4	80-120
Strontium				
Thallium	104	100	104.0	80-120
Tin				
Titanium				
Vanadium	27.7	25	110.8	80-120
Zinc				

Associated samples MP24678: FA1973-1, FA1973-2, FA1973-3, FA1973-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/13

Metal	FA2074-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	65900	70600	7.2	0-10
Antimony	22.9	0.00	100.0(a)	0-10
Arsenic	297	309	11.3*(b)	0-10
Barium	422	478	13.4*(b)	0-10
Beryllium	0.00	0.00	NC (a)	0-10
Cadmium	0.700	0.00	NC	0-10
Calcium	1410000	1540000	9.3	0-10
Chromium	151	181	0.1	0-10
Cobalt				
Copper				
Iron	87300	96100	19.6*(b)	0-10
Lead	342	299	17.2*(b)	0-10
Magnesium	13400	14000	17.8*(b)	0-10
Manganese	532	550	22.0*(b)	0-10
Molybdenum				
Nickel	46.7	58.8	25.9*(b)	0-10
Potassium	5320	5840	9.9	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	6620	7280	10.1 (a)	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	191	226	18.0*(b)	0-10
Zinc				

Associated samples MP24678: FA1973-1, FA1973-2, FA1973-3, FA1973-4

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).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/13

Metal	Sample ml	Final ml	FA2074-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	65880	64562.4	67440	0.2	125	2500	115.1	80-120
Antimony	9.8	10	22.9	22.442	134.5	0.2	5	100	112.1	80-120
Arsenic	9.8	10	297.1	271.95	366.8	0.2	5	100	94.9	80-120
Barium	9.8	10	421.7	413.266	643.5	0.2	12.5	250	92.1	80-120
Beryllium	9.8	10	0	2.156	49.6	0.2	2.5	50	94.9	80-120
Cadmium	9.8	10	0.7	0	47.1	0.2	2.5	50	94.2	80-120
Calcium	9.8	10	1412000	1383760	1480000	0.2	250	5000	1924.8*a	80-120
Chromium	9.8	10	151.2	176.988	240.2	0.2	2.5	50	126.4*(a	80-120
Cobalt										
Copper										
Iron	9.8	10	87260	78772.4	82090	0.2	150	3000	110.6	80-120
Lead	9.8	10	341.5	353.878	433.2	0.2	2.5	50	158.6*(a	80-120
Magnesium	9.8	10	13360	11642.4	16120	0.2	250	5000	89.6	80-120
Manganese	9.8	10	532.3	441.98	482.9	0.2	2.5	50	81.8	80-120
Molybdenum										
Nickel	9.8	10	46.7	45.766	125.3	0.2	5	100	79.5*(a)	80-120
Potassium	9.8	10	5318	5211.64	15110	0.2	500	10000	99.0	80-120
Selenium	9.8	10	0	0	108.6	0.2	5	100	108.6	80-120
Silver										
Sodium	9.8	10	6617	6484.66	16530	0.2	500	10000	100.5	80-120
Strontium										
Thallium	9.8	10	0	0	95.5	0.2	5	100	95.5	80-120
Tin										
Titanium										
Vanadium	9.8	10	191.2	187.376	232.8	0.2	2.5	50	90.8	80-120
Zinc										

Associated samples MP24678: FA1973-1, FA1973-2, FA1973-3, FA1973-4

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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1973
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
Fluoride	GP21089/GN54407	1.0	0.0	mg/kg	24.9	25.5	102.4	90-110%
Nitrogen, Ammonia	GP21130/GN54532	1.2	0.0	mg/kg	28.8	29.0	100.5	80-120%
Nitrogen, Nitrate	GP21089/GN54407	1.0	0.0	mg/kg	24.9	24.6	98.8	90-110%
Nitrogen, Total Kjeldahl	GP21050/GN54340	10	0.0	mg/kg	105	102	97.1	80-120%
Phosphorus, Total	GP21100/GN54454	6.7	0.0	mg/kg	20.0mg/kg	19.1	95.5	81-126%
Sulfate	GP21089/GN54407	20	0.0	mg/kg	498	502	100.8	90-110%

Associated Samples:
Batch GP21050: FA1973-1, FA1973-2, FA1973-3, FA1973-4
Batch GP21089: FA1973-1, FA1973-2, FA1973-3, FA1973-4
Batch GP21100: FA1973-1, FA1973-2, FA1973-3, FA1973-4
Batch GP21130: FA1973-1, FA1973-2, FA1973-3, FA1973-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1973
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
Phosphorus, Total	GP21100/GN54454	FA1973-1	mg/kg	98900	96700	3.3	0-23%
Solids, Percent	GN54345	FA1973-1	%	85.6	86.3	0.8	0-5%
pH	GN54393	FA1883-14	su	6.93	6.36	7.8	0-10%
pH	GN54441	FA1973-3	su	6.05	5.86	3.2	0-10%

Associated Samples:
Batch GN54345: FA1973-1, FA1973-2, FA1973-3, FA1973-4
Batch GN54393: FA1973-1, FA1973-2
Batch GN54441: FA1973-3, FA1973-4
Batch GP21100: FA1973-1, FA1973-2, FA1973-3, FA1973-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1973
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
Fluoride	GP21089/GN54407	FA1973-4	mg/kg	10.5	30.8	30.0	63.4N(a)	90-110%
Nitrogen, Ammonia	GP21130/GN54532	FA2134-4	mg/kg	71.4	34.9	98.9	78.8N(a)	80-120%
Nitrogen, Nitrate	GP21089/GN54407	FA1973-4	mg/kg	3.1 U	30.8	31.2	101.4	90-110%
Nitrogen, Total Kjeldahl	GP21050/GN54340	FA1973-1	mg/kg	179	114	251	63.4N(a)	80-120%
Phosphorus, Total	GP21100/GN54454	FA1973-1	mg/kg	98900	23.4	99200	0.0(b)	81-126%
Sulfate	GP21089/GN54407	FA1973-4	mg/kg	406	615	1040	103.1	90-110%

Associated Samples:
Batch GP21050: FA1973-1, FA1973-2, FA1973-3, FA1973-4
Batch GP21089: FA1973-1, FA1973-2, FA1973-3, FA1973-4
Batch GP21100: FA1973-1, FA1973-2, FA1973-3, FA1973-4
Batch GP21130: FA1973-1, FA1973-2, FA1973-3, FA1973-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(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: FA1973
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
Fluoride	GP21089/GN54407	FA1973-4	mg/kg	10.5	30.8	29.7	1.0N(a)	
Nitrogen, Ammonia	GP21130/GN54532	FA2134-4	mg/kg	71.4	34.2	99.2	0.3(a)	30%
Nitrogen, Nitrate	GP21089/GN54407	FA1973-4	mg/kg	3.1 U	30.8	30.6	1.9	
Nitrogen, Total Kjeldahl	GP21050/GN54340	FA1973-1	mg/kg	179	116	486	63.8N(a)	30%
Phosphorus, Total	GP21100/GN54454	FA1973-1	mg/kg	98900	23.4	10100	1.5(b)	23%
Sulfate	GP21089/GN54407	FA1973-4	mg/kg	406	615	1010	2.9	

Associated Samples:
Batch GP21050: FA1973-1, FA1973-2, FA1973-3, FA1973-4
Batch GP21089: FA1973-1, FA1973-2, FA1973-3, FA1973-4
Batch GP21100: FA1973-1, FA1973-2, FA1973-3, FA1973-4
Batch GP21130: FA1973-1, FA1973-2, FA1973-3, FA1973-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(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: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A022613TKN2.CSV Date Analyzed: 02/26/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54340
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:45	GN54340-ICV1	1		
14:46	GN54340-CCV1	1		
14:47	GN54340-CCB1	1		
14:51	FA1973-1	1		
14:52	GP21050-S1	1		
14:55	FA1973-2	1		
14:58	GP21050-S2	2		
14:59	GN54340-CCV2	1		
15:00	GN54340-CCB2	1		
15:01	FA1973-3	25		
15:02	FA1973-4	5		
15:03	GP21050-MB1	1		
15:04	GP21050-B1	1		
15:06	GN54340-CCV3	1		
15:07	GN54340-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A022613TKN2.CSV Date Analyzed: 02/26/13 Methods: EPA 351.2 M
Run ID: GN54340 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54340-ICV1	Nitrogen, Total Kjeldahl	2.6	0.25	0.10	2.5	104.0	90-110
GN54340-CCV1	Nitrogen, Total Kjeldahl	2.7	0.25	0.10	2.5	108.0	90-110
GN54340-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54340-CCV2	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54340-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54340-CCV3	Nitrogen, Total Kjeldahl	2.3	0.25	0.10	2.5	92.0	90-110
GN54340-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1973
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: 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	ZZZZZZ	100		
12:13	ZZZZZZ	1		
12:29	FA2220-1	1		(sample used for QC only; not part of login FA1973)
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 FA1973)
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: FA1973
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: 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	ZZZZZZ	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	FA1973-1	1		
21:45	FA1973-2	1		
22:01	FA1973-3	1		
22:17	FA1973-4	5		
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: FA1973
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	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	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	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	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	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	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	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	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	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	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	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	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	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	Nitrogen, Nitrate	0.050 U	0.10	0.050			
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	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	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54407-CCB8	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54476
Parameters: Fluoride,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:18	GN54476-CCV1	1		
09:33	GN54476-CCB1	1		
09:49	GP21111-MB1	1		
10:05	GP21111-B1	1		
10:53	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:56	ZZZZZZ	200		
12:12	ZZZZZZ	10		
12:28	GN54476-CCV2	1		
12:44	GN54476-CCB2	1		
13:00	FA2319-1	1		(sample used for QC only; not part of login FA1973)
13:16	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:48	ZZZZZZ	10		
14:04	GP21111-S1	1		
14:19	GP21111-S2	1		
14:35	FA2149-1	2		(sample used for QC only; not part of login FA1973)
14:51	FA2149-3	2		(sample used for QC only; not part of login FA1973)
15:07	ZZZZZZ	2		
15:23	ZZZZZZ	25		
15:39	GN54476-CCV3	1		
15:55	GN54476-CCB3	1		
16:11	GP21098-S1	2		
16:27	GP21098-S2	2		
16:42	GP21098-S3	2		
16:58	GP21098-S4	2		
17:14	GN54476-CCV4	1		
17:30	GN54476-CCB4	1		
17:46	GP21105-MB1	1		
18:02	GP21105-B1	1		
18:18	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54476
Parameters: Fluoride,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:34	ZZZZZZ	5		
18:50	ZZZZZZ	5		
19:05	ZZZZZZ	5		
19:21	FA2088-5	5		(sample used for QC only; not part of login FA1973)
19:37	ZZZZZZ	5		
19:53	ZZZZZZ	5		
20:25	GN54476-CCV5	1		
20:41	GN54476-CCB5	1		
20:57	ZZZZZZ	5		
21:13	ZZZZZZ	5		
21:28	ZZZZZZ	5		
21:44	GP21105-S1	5		
22:00	GP21105-S2	5		
22:16	FA1973-1	10		
22:32	FA1973-2	2		
22:48	ZZZZZZ	10		
23:04	ZZZZZZ	10		
23:36	GN54476-CCV6	1		
23:51	GN54476-CCB6	1		
00:07	ZZZZZZ	25		
00:39	ZZZZZZ	5		
00:55	ZZZZZZ	25		
01:11	GN54476-CCV7	1		
01:27	GN54476-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Run ID: GN54476 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54476-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV1	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN54476-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV2	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN54476-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV3	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV3	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54476-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV4	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV4	Sulfate	50.2	2.0	0.60	50	100.4	90-110
GN54476-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV5	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV5	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54476-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV6	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV6	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN54476-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV7	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV7	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN54476-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB7	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030813AMN1.CSV Date Analyzed: 03/08/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54532
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:32	GN54532-ICV1	1		
13:33	GN54532-CCV1	1		
13:34	GN54532-CCB1	1		
13:35	GP21130-MB1	1		
13:36	GP21130-B1	1		
13:37	GP21130-S1	1		
13:38	GP21130-S2	1		
13:39	FA2134-4	1		(sample used for QC only; not part of login FA1973)
13:40	FA1973-1	1		
13:41	FA1973-2	1		
13:42	FA1973-3	1		
13:43	FA1973-4	1		
13:44	ZZZZZZ	1		
13:45	GN54532-CCV2	1		
13:46	GN54532-CCB2	1		
13:47	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:56	ZZZZZZ	1		
13:58	GN54532-CCV3	1		
13:59	GN54532-CCB3	1		
14:01	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:04	ZZZZZZ	25		
14:05	ZZZZZZ	25		
14:06	ZZZZZZ	5		
14:07	ZZZZZZ	5		
14:08	ZZZZZZ	2		
14:09	ZZZZZZ	25		
14:10	GN54532-CCV4	1		
14:11	GN54532-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1973
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030813AMN1.CSV Date Analyzed: 03/08/13 Methods: EPA 350.1 M
Run ID: GN54532 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54532-ICV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV2	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV3	Nitrogen, Ammonia	2.4	0.10	0.022	2.5	96.0	90-110
GN54532-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV4	Nitrogen, Ammonia	2.4	0.10	0.022	2.5	96.0	90-110
GN54532-CCB4	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA1973
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA1973-1 **Analyzed:** 27-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-47 (0-1)

Wet Weight (Total)	8.52	g
Tare Weight	1.01	g
Dry Weight (Total)	7.44	g
Solids, Percent	85.6	%

Sample: FA1973-2 **Analyzed:** 27-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-47 (1-2)

Wet Weight (Total)	8.54	g
Tare Weight	1.01	g
Dry Weight (Total)	7.16	g
Solids, Percent	81.7	%

Sample: FA1973-3 **Analyzed:** 27-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-47 (4-5)

Wet Weight (Total)	8.53	g
Tare Weight	1.02	g
Dry Weight (Total)	7.28	g
Solids, Percent	83.4	%

Sample: FA1973-4 **Analyzed:** 27-FEB-13 by HH **Method:** SM19 2540G
ClientID: A-47 (9-10)

Wet Weight (Total)	8.6	g
Tare Weight	1	g
Dry Weight (Total)	7.2	g
Solids, Percent	81.6	%

Southeast ACCUTEST LABORATORIES

03/14/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA2047

Sampling Date: 02/22/13

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: **108**

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.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **10**
Section 4: Sample Results **14**
4.1: FA2047-1: EB-SOIL-2/22/13 15
4.2: FA2047-2: A-46 (0-1) 17
4.3: FA2047-3: A-46 (1-2) 19
4.4: FA2047-4: A-46 (4-5) 21
4.5: FA2047-5: A-46 (9-10) 23
4.6: FA2047-6: A-46 (14-15) 25
4.7: FA2047-7: A-220 27
Section 5: Misc. Forms **29**
5.1: Chain of Custody 30
Section 6: Metals Analysis - QC Data Summaries **32**
6.1: Inst QC MA10565: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 33
6.2: Inst QC MA10570: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 56
6.3: Prep QC MP24678: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 70
6.4: Prep QC MP24684: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 76
Section 7: General Chemistry - QC Data Summaries **82**
7.1: Method Blank and Spike Results Summary 83
7.2: Duplicate Results Summary 84
7.3: Matrix Spike Results Summary 85
7.4: Matrix Spike Duplicate Results Summary 86
7.5: Inst QC GN54336: Nitrogen, Ammonia 87
7.6: Inst QC GN54407: Fluoride,Nitrogen, Nitrate,Sulfate 89
7.7: Inst QC GN54435: Fluoride,Nitrogen, Nitrate,Sulfate 92
7.8: Inst QC GN54449: Nitrogen, Total Kjeldahl 94
7.9: Inst QC GN54451: Fluoride,Nitrogen, Nitrate,Sulfate 96
7.10: Inst QC GN54472: Nitrogen, Total Kjeldahl 98
7.11: Inst QC GN54476: Sulfate 100
7.12: Inst QC GN54519: Sulfate 103
7.13: Inst QC GN54532: Nitrogen, Ammonia 106
7.14: Percent Solids Raw Data Summary 108

Sample Summary

WSP Environment & Energy

Job No: FA2047

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
FA2047-1	02/22/13	09:15	SD	02/23/13	AQ	Equipment Blank	EB-SOIL-2/22/13
FA2047-2	02/22/13	10:00	SD	02/23/13	SO	Soil	A-46 (0-1)
FA2047-3	02/22/13	10:01	SD	02/23/13	SO	Soil	A-46 (1-2)
FA2047-4	02/22/13	10:02	SD	02/23/13	SO	Soil	A-46 (4-5)
FA2047-5	02/22/13	10:30	SD	02/23/13	SO	Soil	A-46 (9-10)
FA2047-6	02/22/13	10:31	SD	02/23/13	SO	Soil	A-46 (14-15)
FA2047-7	02/22/13	09:00	SD	02/23/13	SO	Soil	A-220

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA2047

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date** 3/13/2013 6:01:56 PM

7 Samples were collected on 02/22/2013 and were received at Accutest SE on 02/23/2013 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of FA2047. 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:** MP24684

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) FA2016-2DUP, FA2016-2MS, FA2016-2MSD, FA2016-2PS, FA2016-2SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Antimony, Lead are outside control limits for sample MP24684-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Lead, Sodium, Vanadium are outside control limits for sample MP24684-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO **Batch ID:** MP24678

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) FA2074-1DUP, FA2074-1MS, FA2074-1MSD, FA2074-1PS, FA2074-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Antimony, Arsenic, Iron, Manganese, Nickel, Vanadium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery(s) for Manganese, Antimony, Arsenic, Cadmium, Nickel are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Recovery(s) for Calcium 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 Manganese, Antimony, Magnesium, Nickel, Sodium are outside control limits for sample MP24678-D1. High RPD due to possible sample nonhomogeneity.

RPD(s) for MSD for Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Nickel, Potassium, Selenium, Sodium, Thallium are outside control limits for sample MP24678-S2. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Antimony, Beryllium, Sodium, Arsenic, Barium, Iron, Lead, Magnesium, Manganese, Nickel, Vanadium are outside control limits for sample MP24678-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24678-D1 for Magnesium: RPD acceptable due to low duplicate and sample concentrations.

MP24678-D1 for Antimony: RPD acceptable due to low duplicate and sample concentrations.

MP24678-D1 for Nickel: RPD acceptable due to low duplicate and sample concentrations.

MP24678-D1 for Sodium: RPD acceptable due to low duplicate and sample concentrations.

MP24678-SD1 for Vanadium: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Lead: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Barium: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Arsenic: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Magnesium: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Manganese: Serial dilution indicates possible matrix interference.

MP24678-SD1 for Nickel: Serial dilution indicates possible matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24678

MP24678-PS1 for Nickel: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24678-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24678-PS1 for Chromium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike
amount.

MP24678-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA2047-3 for Barium: Sample dilution required due to sample matrix.

FA2047-4 for Beryllium: Sample dilution required due to sample matrix.

FA2047-3 for Beryllium: Sample dilution required due to sample matrix.

FA2047-3 for Cadmium: Sample dilution required due to sample matrix.

FA2047-3 for Calcium: Sample dilution required due to sample matrix.

FA2047-3 for Chromium: Sample dilution required due to sample matrix.

FA2047-3 for Nickel: Sample dilution required due to sample matrix.

FA2047-4 for Antimony: Sample dilution required due to sample matrix.

FA2047-4 for Aluminum: Sample dilution required due to sample matrix.

FA2047-3 for Vanadium: Sample dilution required due to sample matrix.

FA2047-3 for Thallium: Sample dilution required due to sample matrix.

FA2047-3 for Sodium: Sample dilution required due to sample matrix.

FA2047-3 for Potassium: Sample dilution required due to sample matrix.

FA2047-4 for Barium: Sample dilution required due to sample matrix.

FA2047-3 for Manganese: Sample dilution required due to sample matrix.

FA2047-3 for Magnesium: Sample dilution required due to sample matrix.

FA2047-3 for Lead: Sample dilution required due to sample matrix.

FA2047-3 for Iron: Sample dilution required due to sample matrix.

FA2047-2 for Aluminum: Sample dilution required due to sample matrix.

FA2047-4 for Arsenic: Sample dilution required due to sample matrix.

FA2047-3 for Selenium: Sample dilution required due to sample matrix.

FA2047-2 for Calcium: Sample dilution required due to sample matrix.

FA2047-2 for Lead: Sample dilution required due to sample matrix.

FA2047-2 for Magnesium: Sample dilution required due to sample matrix.

FA2047-2 for Manganese: Sample dilution required due to sample matrix.

FA2047-2 for Nickel: Sample dilution required due to sample matrix.

FA2047-2 for Potassium: Sample dilution required due to sample matrix.

FA2047-2 for Selenium: Sample dilution required due to sample matrix.

FA2047-2 for Sodium: Sample dilution required due to sample matrix.

FA2047-2 for Thallium: Sample dilution required due to sample matrix.

FA2047-2 for Vanadium: Sample dilution required due to sample matrix.

FA2047-3 for Aluminum: Sample dilution required due to sample matrix.

FA2047-3 for Antimony: Sample dilution required due to sample matrix.

FA2047-2 for Chromium: Sample dilution required due to sample matrix.

FA2047-7 for Vanadium: Elevated reporting limit(s) due to matrix interference.

FA2047-2 for Cadmium: Sample dilution required due to sample matrix.

FA2047-2 for Beryllium: Sample dilution required due to sample matrix.

FA2047-2 for Barium: Sample dilution required due to sample matrix.

FA2047-4 for Cadmium: Sample dilution required due to sample matrix.

FA2047-2 for Arsenic: Sample dilution required due to sample matrix.

FA2047-2 for Antimony: Sample dilution required due to sample matrix.

FA2047-2 for Iron: Sample dilution required due to sample matrix.

FA2047-3 for Arsenic: Sample dilution required due to sample matrix.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24678

FA2047-7 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA2047-6 for Barium: Sample dilution required due to sample matrix.
FA2047-7 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA2047-7 for Barium: Elevated reporting limit(s) due to matrix interference.
FA2047-7 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA2047-7 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA2047-7 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA2047-7 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA2047-7 for Iron: Elevated reporting limit(s) due to matrix interference.
FA2047-7 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA2047-7 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA2047-7 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA2047-6 for Selenium: Sample dilution required due to sample matrix.
FA2047-6 for Chromium: Sample dilution required due to sample matrix.
FA2047-6 for Cadmium: Sample dilution required due to sample matrix.
FA2047-6 for Beryllium: Sample dilution required due to sample matrix.
FA2047-7 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA2047-6 for Vanadium: Sample dilution required due to sample matrix.
FA2047-6 for Potassium: Sample dilution required due to sample matrix.
FA2047-6 for Nickel: Sample dilution required due to sample matrix.
FA2047-6 for Manganese: Sample dilution required due to sample matrix.
FA2047-6 for Magnesium: Sample dilution required due to sample matrix.
FA2047-6 for Lead: Sample dilution required due to sample matrix.
FA2047-6 for Iron: Sample dilution required due to sample matrix.
FA2047-7 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA2047-6 for Thallium: Sample dilution required due to sample matrix.
FA2047-6 for Calcium: Sample dilution required due to sample matrix.
FA2047-7 for Lead: Sample dilution required due to sample matrix.
FA2047-4 for Calcium: Sample dilution required due to sample matrix.
FA2047-6 for Sodium: Sample dilution required due to sample matrix.
FA2047-4 for Sodium: Sample dilution required due to sample matrix.
FA2047-5 for Calcium: Sample dilution required due to sample matrix.
FA2047-7 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA2047-5 for Beryllium: Sample dilution required due to sample matrix.
FA2047-5 for Barium: Sample dilution required due to sample matrix.
FA2047-5 for Arsenic: Sample dilution required due to sample matrix.
FA2047-5 for Antimony: Sample dilution required due to sample matrix.
FA2047-5 for Aluminum: Sample dilution required due to sample matrix.
FA2047-6 for Arsenic: Sample dilution required due to sample matrix.
FA2047-4 for Thallium: Sample dilution required due to sample matrix.
FA2047-5 for Chromium: Sample dilution required due to sample matrix.
FA2047-4 for Selenium: Sample dilution required due to sample matrix.
FA2047-4 for Potassium: Sample dilution required due to sample matrix.
FA2047-4 for Nickel: Sample dilution required due to sample matrix.
FA2047-4 for Manganese: Sample dilution required due to sample matrix.
FA2047-4 for Magnesium: Sample dilution required due to sample matrix.
FA2047-4 for Lead: Sample dilution required due to sample matrix.
FA2047-4 for Iron: Sample dilution required due to sample matrix.
FA2047-4 for Chromium: Sample dilution required due to sample matrix.
FA2047-4 for Vanadium: Sample dilution required due to sample matrix.
FA2047-5 for Potassium: Sample dilution required due to sample matrix.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24678

FA2047-7 for Sodium: Elevated reporting limit(s) due to matrix interference.

FA2047-7 for Thallium: Elevated reporting limit(s) due to matrix interference.

FA2047-5 for Vanadium: Sample dilution required due to sample matrix.

FA2047-5 for Thallium: Sample dilution required due to sample matrix.

FA2047-5 for Sodium: Sample dilution required due to sample matrix.

FA2047-5 for Cadmium: Sample dilution required due to sample matrix.

FA2047-6 for Antimony: Sample dilution required due to sample matrix.

FA2047-6 for Aluminum: Sample dilution required due to sample matrix.

FA2047-5 for Selenium: Sample dilution required due to sample matrix.

FA2047-5 for Nickel: Sample dilution required due to sample matrix.

FA2047-5 for Manganese: Sample dilution required due to sample matrix.

FA2047-5 for Magnesium: Sample dilution required due to sample matrix.

FA2047-5 for Lead: Sample dilution required due to sample matrix.

FA2047-5 for Iron: Sample dilution required due to sample matrix.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21097

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) FA2110-1MS, FA2110-1MSD were used as the QC samples for 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. Refer to lab control or spike blank for recovery information.

FA2047-1 for Nitrogen, Nitrate: Analyzed beyond hold-time.

Matrix: SO **Batch ID:** GP21089

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) FA1973-4MS, FA1973-4MSD were used as the QC samples for 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. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 350.1

Matrix: AQ **Batch ID:** GP21056

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) FA2047-1MS, FA2047-1MSD were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP21130

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) FA2134-4MSD, FA2134-4MS were used as the QC samples for Nitrogen, Ammonia.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Ammonia are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 351.2

Matrix: AQ **Batch ID:** GP21095

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) FA2149-6MSD, FA2149-6MS were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl 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 EPA 351.2 M

Matrix: SO **Batch ID:** GP21096

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) FA2047-2MS, FA2047-2MSD were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl 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 MSD for Nitrogen, Total Kjeldahl are outside control limits for sample GP21096-S2. Probable cause is due to sample non-homogeneity.

GP21096-S2 for Nitrogen, Total Kjeldahl: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21064

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

Wet Chemistry By Method EPA 365.3M

Matrix: SO **Batch ID:** GP21100

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) FA1973-1DUP, FA1973-1MSD 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:** GN54348

Sample(s) FA2047-1DUP was used as the QC sample for pH.

FA2047-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN54418

Sample(s) FA2088-1DUP was used as the QC sample for Solids, Percent.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54441

Sample(s) FA1973-3DUP was used as the QC sample for pH.

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: FA2047
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2047-1	**EB-SOIL-2/22/13**					
Lead		1.4 J	5.0	1.1	ug/l	SW846 6010C
Manganese		0.90 J	15	0.70	ug/l	SW846 6010C
Nitrogen, Total Kjeldahl		0.18 J	0.53	0.17	mg/l	EPA 351.2
pH [a]		4.55			su	SM 4500H B/SW 9040C
FA2047-2	**A-46 (0-1)**					
Aluminum [b]		9490	45	4.5	mg/kg	SW846 6010C
Arsenic [b]		4.5	2.2	0.36	mg/kg	SW846 6010C
Barium [b]		77.4	45	1.1	mg/kg	SW846 6010C
Beryllium [b]		0.61 J	1.1	0.11	mg/kg	SW846 6010C
Cadmium [b]		10.6	0.90	0.11	mg/kg	SW846 6010C
Calcium [b]		39500	1100	11	mg/kg	SW846 6010C
Chromium [b]		59.5	2.2	0.40	mg/kg	SW846 6010C
Iron [b]		8220	67	16	mg/kg	SW846 6010C
Lead [b]		10.7	4.5	0.25	mg/kg	SW846 6010C
Magnesium [b]		5700	1100	17	mg/kg	SW846 6010C
Manganese [b]		268	3.4	0.20	mg/kg	SW846 6010C
Nickel [b]		23.3	9.0	0.11	mg/kg	SW846 6010C
Potassium [b]		1920 J	2200	45	mg/kg	SW846 6010C
Selenium [b]		1.9 J	4.5	0.67	mg/kg	SW846 6010C
Sodium [b]		524 J	2200	110	mg/kg	SW846 6010C
Vanadium [b]		94.2	11	0.11	mg/kg	SW846 6010C
Fluoride		46.9	1.2	0.29	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		41.6	1.4	0.31	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		7.1	1.2	0.58	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		1120	120	46	mg/kg	EPA 351.2 M
Phosphorus, Total		33900	7700	1200	mg/kg	EPA 365.3M
Sulfate		9160	230	70	mg/kg	EPA 300/SW846 9056A
pH		6.71			su	SW846 9045D
FA2047-3	**A-46 (1-2)**					
Aluminum [b]		9590	39	3.9	mg/kg	SW846 6010C
Arsenic [b]		4.5	2.0	0.31	mg/kg	SW846 6010C
Barium [b]		80.3	39	0.98	mg/kg	SW846 6010C
Beryllium [b]		0.61 J	0.98	0.098	mg/kg	SW846 6010C
Cadmium [b]		9.9	0.78	0.098	mg/kg	SW846 6010C
Calcium [b]		38300	980	9.8	mg/kg	SW846 6010C
Chromium [b]		54.4	2.0	0.35	mg/kg	SW846 6010C
Iron [b]		8280	59	14	mg/kg	SW846 6010C
Lead [b]		10.8	3.9	0.21	mg/kg	SW846 6010C
Magnesium [b]		4830	980	15	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA2047
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Manganese [b]		245	2.9	0.18	mg/kg	SW846 6010C
Nickel [b]		24.8	7.8	0.098	mg/kg	SW846 6010C
Potassium [b]		1920 J	2000	39	mg/kg	SW846 6010C
Selenium [b]		1.8 J	3.9	0.59	mg/kg	SW846 6010C
Sodium [b]		471 J	2000	98	mg/kg	SW846 6010C
Thallium [b]		0.38 J	2.0	0.35	mg/kg	SW846 6010C
Vanadium [b]		87.1	9.8	0.098	mg/kg	SW846 6010C
Fluoride		46.3	1.2	0.30	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		68.9	1.4	0.31	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		4.2	1.2	0.60	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		1660	120	47	mg/kg	EPA 351.2 M
Phosphorus, Total		30100	8800	1400	mg/kg	EPA 365.3M
Sulfate		10100	240	72	mg/kg	EPA 300/SW846 9056A
pH		6.82			su	SW846 9045D
FA2047-4	**A-46 (4-5)**					
Aluminum [b]		21600	51	5.1	mg/kg	SW846 6010C
Antimony [b]		1.6 J	5.1	0.48	mg/kg	SW846 6010C
Arsenic [b]		6.7	2.5	0.41	mg/kg	SW846 6010C
Barium [b]		129	51	1.3	mg/kg	SW846 6010C
Beryllium [b]		1.2 J	1.3	0.13	mg/kg	SW846 6010C
Cadmium [b]		35.6	1.0	0.13	mg/kg	SW846 6010C
Calcium [b]		28300	1300	13	mg/kg	SW846 6010C
Chromium [b]		187	2.5	0.46	mg/kg	SW846 6010C
Iron [b]		18100	76	18	mg/kg	SW846 6010C
Lead [b]		25.5	5.1	0.28	mg/kg	SW846 6010C
Magnesium [b]		1670	1300	19	mg/kg	SW846 6010C
Manganese [b]		180	3.8	0.23	mg/kg	SW846 6010C
Nickel [b]		16.5	10	0.13	mg/kg	SW846 6010C
Potassium [b]		4350	2500	51	mg/kg	SW846 6010C
Selenium [b]		1.8 J	5.1	0.76	mg/kg	SW846 6010C
Sodium [b]		384 J	2500	130	mg/kg	SW846 6010C
Thallium [b]		3.7	2.5	0.46	mg/kg	SW846 6010C
Vanadium [b]		491	13	0.13	mg/kg	SW846 6010C
Fluoride		23.2	1.4	0.34	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		579	39	8.7	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		3370	340	140	mg/kg	EPA 351.2 M
Phosphorus, Total		77500	20000	3100	mg/kg	EPA 365.3M
Sulfate		20000	690	210	mg/kg	EPA 300/SW846 9056A
pH		4.64			su	SW846 9045D
FA2047-5	**A-46 (9-10)**					
Aluminum [b]		10100	39	3.9	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA2047
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/22/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Arsenic [b]	2.8	2.0	0.31	mg/kg	SW846 6010C
Barium [b]	75.6	39	0.98	mg/kg	SW846 6010C
Beryllium [b]	0.62 J	0.98	0.098	mg/kg	SW846 6010C
Cadmium [b]	29.5	0.79	0.098	mg/kg	SW846 6010C
Calcium [b]	66300	980	9.8	mg/kg	SW846 6010C
Chromium [b]	25.7	2.0	0.35	mg/kg	SW846 6010C
Iron [b]	16800	59	14	mg/kg	SW846 6010C
Lead [b]	8.8	3.9	0.22	mg/kg	SW846 6010C
Magnesium [b]	3330	980	15	mg/kg	SW846 6010C
Manganese [b]	595	2.9	0.18	mg/kg	SW846 6010C
Nickel [b]	129	7.9	0.098	mg/kg	SW846 6010C
Potassium [b]	1420 J	2000	39	mg/kg	SW846 6010C
Selenium [b]	0.84 J	3.9	0.59	mg/kg	SW846 6010C
Sodium [b]	256 J	2000	98	mg/kg	SW846 6010C
Vanadium [b]	36.0	9.8	0.098	mg/kg	SW846 6010C
Fluoride	10.1	1.3	0.31	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	440	37	8.1	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	649	24	9.8	mg/kg	EPA 351.2 M
Phosphorus, Total	69800	20000	3000	mg/kg	EPA 365.3M
Sulfate	8390	250	76	mg/kg	EPA 300/SW846 9056A
pH	5.84			su	SW846 9045D
FA2047-6 A-46 (14-15)					
Aluminum [b]	19200	52	5.2	mg/kg	SW846 6010C
Arsenic [b]	4.6	2.6	0.42	mg/kg	SW846 6010C
Barium [b]	73.4	52	1.3	mg/kg	SW846 6010C
Beryllium [b]	2.1	1.3	0.13	mg/kg	SW846 6010C
Cadmium [b]	6.6	1.0	0.13	mg/kg	SW846 6010C
Calcium [b]	5440	1300	13	mg/kg	SW846 6010C
Chromium [b]	28.3	2.6	0.47	mg/kg	SW846 6010C
Iron [b]	11100	78	18	mg/kg	SW846 6010C
Lead [b]	15.6	5.2	0.29	mg/kg	SW846 6010C
Magnesium [b]	2630	1300	20	mg/kg	SW846 6010C
Manganese [b]	92.7	3.9	0.24	mg/kg	SW846 6010C
Nickel [b]	17.1	10	0.13	mg/kg	SW846 6010C
Potassium [b]	1670 J	2600	52	mg/kg	SW846 6010C
Selenium [b]	0.80 J	5.2	0.78	mg/kg	SW846 6010C
Sodium [b]	306 J	2600	130	mg/kg	SW846 6010C
Vanadium [b]	79.3	13	0.13	mg/kg	SW846 6010C
Fluoride	3.9	1.2	0.31	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	179	7.3	1.6	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl	451	25	10	mg/kg	EPA 351.2 M
Phosphorus, Total	37900	18000	2800	mg/kg	EPA 365.3M
Sulfate	5440	120	37	mg/kg	EPA 300/SW846 9056A

Summary of Hits

Job Number: FA2047
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
pH		4.88			su	SW846 9045D
FA2047-7	**A-220**					
Aluminum [c]		19600	120	12	mg/kg	SW846 6010C
Arsenic [c]		7.4	5.9	0.95	mg/kg	SW846 6010C
Barium [c]		117 J	120	3.0	mg/kg	SW846 6010C
Beryllium [c]		1.4 J	3.0	0.30	mg/kg	SW846 6010C
Cadmium [c]		53.5	2.4	0.30	mg/kg	SW846 6010C
Calcium [c]		29800	3000	30	mg/kg	SW846 6010C
Chromium [c]		156	5.9	1.1	mg/kg	SW846 6010C
Iron [c]		15700	180	41	mg/kg	SW846 6010C
Lead [b]		28.5	5.9	0.33	mg/kg	SW846 6010C
Magnesium [c]		2260 J	3000	45	mg/kg	SW846 6010C
Manganese [c]		262	8.9	0.53	mg/kg	SW846 6010C
Nickel [c]		24.0	24	0.30	mg/kg	SW846 6010C
Potassium [c]		3400 J	5900	120	mg/kg	SW846 6010C
Sodium [c]		566 J	5900	300	mg/kg	SW846 6010C
Vanadium [c]		358	30	0.30	mg/kg	SW846 6010C
Fluoride		23.0	1.3	0.33	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		175	7.4	1.6	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		2370	320	130	mg/kg	EPA 351.2 M
Phosphorus, Total		45000	9600	1500	mg/kg	EPA 365.3M
Sulfate		18900	650	200	mg/kg	EPA 300/SW846 9056A
pH		4.34			su	SW846 9045D

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	EB-SOIL-2/22/13		
Lab Sample ID:	FA2047-1	**Date Sampled:**	02/22/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/23/13
		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	15 U	200	15	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Barium	1.0 U	200	1.0	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	50 U	1000	50	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	29 U	300	29	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	1.4 J	5.0	1.1	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	0.90 J	15	0.70	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.50 U	40	0.50	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	1.3 U	10	1.3	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.0 U	50	1.0	ug/l	1	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10565
(2) Prep QC Batch: MP24684

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:	EB-SOIL-2/22/13		
Lab Sample ID:	FA2047-1	**Date Sampled:**	02/22/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/23/13
		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
Fluoride	0.060 U	0.20	0.060	mg/l	1	02/26/13 15:58	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	0.030 U	0.10	0.030	mg/l	1	02/26/13 15:07	VK	EPA 350.1
Nitrogen, Nitrate [a]	0.050 U	0.10	0.050	mg/l	1	02/26/13 15:58	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	0.18 J	0.53	0.17	mg/l	1	03/05/13 08:49	MG	EPA 351.2
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/27/13 11:00	LE	EPA 365.3
Sulfate	0.60 U	2.0	0.60	mg/l	1	02/26/13 15:58	AA	EPA 300/SW846 9056A
pH [b]	4.55			su	1	02/25/13 11:10	LE	SM 4500H B/SW 9040C

(a) Sample analyzed beyond hold time.
(b) 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-46 (0-1)
Lab Sample ID: FA2047-2
Matrix: SO - Soil
Date Sampled: 02/22/13
Date Received: 02/23/13
Percent Solids: 85.7
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	9490	45	4.5	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.43 U	4.5	0.43	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.5	2.2	0.36	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	77.4	45	1.1	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.61 J	1.1	0.11	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	10.6	0.90	0.11	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	39500	1100	11	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	59.5	2.2	0.40	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	8220	67	16	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	10.7	4.5	0.25	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	5700	1100	17	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	268	3.4	0.20	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	23.3	9.0	0.11	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1920 J	2200	45	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.9 J	4.5	0.67	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	524 J	2200	110	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.40 U	2.2	0.40	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	94.2	11	0.11	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10565
(2) Prep QC Batch: MP24678

(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-46 (0-1)		
Lab Sample ID:	FA2047-2	**Date Sampled:**	02/22/13
Matrix:	SO - Soil	**Date Received:**	02/23/13
		Percent Solids:	85.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	46.9	1.2	0.29	mg/kg	1	03/01/13 22:33	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	41.6	1.4	0.31	mg/kg	1	03/08/13 13:44	VK	EPA 350.1 M
Nitrogen, Nitrate	7.1	1.2	0.58	mg/kg	1	03/01/13 22:33	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	1120	120	46	mg/kg	10	03/05/13 10:13	MG	EPA 351.2 M
Phosphorus, Total	33900	7700	1200	mg/kg	250	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	85.7			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	9160	230	70	mg/kg	10	03/05/13 22:48	AA	EPA 300/SW846 9056A
pH	6.71			su	1	03/04/13 14:20	HH	SW846 9045D

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-46 (1-2)
Lab Sample ID: FA2047-3
Matrix: SO - Soil
Date Sampled: 02/22/13
Date Received: 02/23/13
Percent Solids: 83.2
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	9590	39	3.9	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.37 U	3.9	0.37	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.5	2.0	0.31	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	80.3	39	0.98	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.61 J	0.98	0.098	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	9.9	0.78	0.098	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	38300	980	9.8	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	54.4	2.0	0.35	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	8280	59	14	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	10.8	3.9	0.21	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	4830	980	15	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	245	2.9	0.18	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	24.8	7.8	0.098	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1920 J	2000	39	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.8 J	3.9	0.59	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	471 J	2000	98	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.38 J	2.0	0.35	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	87.1	9.8	0.098	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10565
(2) Prep QC Batch: MP24678

(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-46 (1-2)		
Lab Sample ID:	FA2047-3	**Date Sampled:**	02/22/13
Matrix:	SO - Soil	**Date Received:**	02/23/13
		Percent Solids:	83.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	46.3	1.2	0.30	mg/kg	1	03/01/13 22:49	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	68.9	1.4	0.31	mg/kg	1	03/08/13 13:47	VK	EPA 350.1 M
Nitrogen, Nitrate	4.2	1.2	0.60	mg/kg	1	03/01/13 22:49	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	1660	120	47	mg/kg	10	03/05/13 10:17	MG	EPA 351.2 M
Phosphorus, Total	30100	8800	1400	mg/kg	250	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	83.2			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	10100	240	72	mg/kg	10	03/05/13 23:04	AA	EPA 300/SW846 9056A
pH	6.82			su	1	03/04/13 14:20	HH	SW846 9045D

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-46 (4-5)
Lab Sample ID: FA2047-4
Matrix: SO - Soil
Date Sampled: 02/22/13
Date Received: 02/23/13
Percent Solids: 73.2
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	21600	51	5.1	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	1.6 J	5.1	0.48	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	6.7	2.5	0.41	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	129	51	1.3	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	1.2 J	1.3	0.13	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	35.6	1.0	0.13	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	28300	1300	13	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	187	2.5	0.46	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	18100	76	18	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	25.5	5.1	0.28	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	1670	1300	19	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	180	3.8	0.23	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	16.5	10	0.13	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	4350	2500	51	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.8 J	5.1	0.76	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	384 J	2500	130	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	3.7	2.5	0.46	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	491	13	0.13	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10565
(2) Prep QC Batch: MP24678

(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-46 (4-5)		
Lab Sample ID:	FA2047-4	**Date Sampled:**	02/22/13
Matrix:	SO - Soil	**Date Received:**	02/23/13
		Percent Solids:	73.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	23.2	1.4	0.34	mg/kg	1	03/01/13 23:05	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	579	39	8.7	mg/kg	25	03/08/13 14:04	VK	EPA 350.1 M
Nitrogen, Nitrate	0.69 U	1.4	0.69	mg/kg	1	03/01/13 23:05	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	3370	340	140	mg/kg	25	03/05/13 10:18	MG	EPA 351.2 M
Phosphorus, Total	77500	20000	3100	mg/kg	500	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	73.2			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	20000	690	210	mg/kg	25	03/06/13 00:07	AA	EPA 300/SW846 9056A
pH	4.64			su	1	03/04/13 14:20	HH	SW846 9045D

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-46 (9-10)
Lab Sample ID: FA2047-5
Matrix: SO - Soil
Date Sampled: 02/22/13
Date Received: 02/23/13
Percent Solids: 79.6
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	10100	39	3.9	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.37 U	3.9	0.37	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	2.8	2.0	0.31	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	75.6	39	0.98	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.62 J	0.98	0.098	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	29.5	0.79	0.098	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	66300	980	9.8	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	25.7	2.0	0.35	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	16800	59	14	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	8.8	3.9	0.22	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	3330	980	15	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	595	2.9	0.18	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	129	7.9	0.098	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1420 J	2000	39	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.84 J	3.9	0.59	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	256 J	2000	98	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.35 U	2.0	0.35	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	36.0	9.8	0.098	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10565
(2) Prep QC Batch: MP24678

(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-46 (9-10)		
Lab Sample ID:	FA2047-5	**Date Sampled:**	02/22/13
Matrix:	SO - Soil	**Date Received:**	02/23/13
		Percent Solids:	79.6
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	10.1	1.3	0.31	mg/kg	1	03/02/13 00:08	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	440	37	8.1	mg/kg	25	03/08/13 14:05	VK	EPA 350.1 M
Nitrogen, Nitrate	0.63 U	1.3	0.63	mg/kg	1	03/02/13 00:08	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	649	24	9.8	mg/kg	2	03/05/13 10:19	MG	EPA 351.2 M
Phosphorus, Total	69800	20000	3000	mg/kg	500	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	79.6			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	8390	250	76	mg/kg	10	03/06/13 23:52	AA	EPA 300/SW846 9056A
pH	5.84			su	1	03/04/13 14:20	HH	SW846 9045D

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-46 (14-15)		
Lab Sample ID:	FA2047-6	**Date Sampled:**	02/22/13
Matrix:	SO - Soil	**Date Received:**	02/23/13
		Percent Solids:	81.0
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	19200	52	5.2	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.50 U	5.2	0.50	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	4.6	2.6	0.42	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	73.4	52	1.3	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	2.1	1.3	0.13	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	6.6	1.0	0.13	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	5440	1300	13	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	28.3	2.6	0.47	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	11100	78	18	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	15.6	5.2	0.29	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	2630	1300	20	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	92.7	3.9	0.24	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	17.1	10	0.13	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	1670 J	2600	52	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.80 J	5.2	0.78	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	306 J	2600	130	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.47 U	2.6	0.47	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	79.3	13	0.13	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10565
(2) Prep QC Batch: MP24678

(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-46 (14-15)		
Lab Sample ID:	FA2047-6	**Date Sampled:**	02/22/13
Matrix:	SO - Soil	**Date Received:**	02/23/13
		Percent Solids:	81.0
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	3.9	1.2	0.31	mg/kg	1	03/02/13 00:24	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	179	7.3	1.6	mg/kg	5	03/08/13 14:06	VK	EPA 350.1 M
Nitrogen, Nitrate	0.62 U	1.2	0.62	mg/kg	1	03/02/13 00:24	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	451	25	10	mg/kg	2	03/05/13 10:20	MG	EPA 351.2 M
Phosphorus, Total	37900	18000	2800	mg/kg	500	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	81			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	5440	120	37	mg/kg	5	03/06/13 00:39	AA	EPA 300/SW846 9056A
pH	4.88			su	1	03/04/13 14:20	HH	SW846 9045D

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-220
Lab Sample ID: FA2047-7
Matrix: SO - Soil
Date Sampled: 02/22/13
Date Received: 02/23/13
Percent Solids: 76.8
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	19600	120	12	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Antimony [a]	1.1 U	12	1.1	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic [a]	7.4	5.9	0.95	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	117 J	120	3.0	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	1.4 J	3.0	0.30	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	53.5	2.4	0.30	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium [a]	29800	3000	30	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	156	5.9	1.1	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron [a]	15700	180	41	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Lead [b]	28.5	5.9	0.33	mg/kg	5	02/26/13	02/26/13	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium [a]	2260 J	3000	45	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese [a]	262	8.9	0.53	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Nickel [a]	24.0	24	0.30	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Potassium [a]	3400 J	5900	120	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Selenium [a]	1.8 U	12	1.8	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium [a]	566 J	5900	300	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Thallium [a]	11 U	24	11	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium [a]	358	30	0.30	mg/kg	10	02/26/13	02/27/13	LM	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA10565
(2) Instrument QC Batch: MA10570
(3) Prep QC Batch: MP24678

(a) Elevated reporting limit(s) due to matrix interference.
(b) 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-220		
Lab Sample ID:	FA2047-7	**Date Sampled:**	02/22/13
Matrix:	SO - Soil	**Date Received:**	02/23/13
		Percent Solids:	76.8
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	23.0	1.3	0.33	mg/kg	1	03/02/13 00:40	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	175	7.4	1.6	mg/kg	5	03/08/13 14:07	VK	EPA 350.1 M
Nitrogen, Nitrate	0.65 U	1.3	0.65	mg/kg	1	03/02/13 00:40	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	2370	320	130	mg/kg	25	03/05/13 10:21	MG	EPA 351.2 M
Phosphorus, Total	45000	9600	1500	mg/kg	250	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	76.8			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	18900	650	200	mg/kg	25	03/06/13 00:55	AA	EPA 300/SW846 9056A
pH	4.34			su	1	03/04/13 14:20	HH	SW846 9045D

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

FA2047

Accutest JOB # 36785.01 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: WSP
Address: 11190 SUNRISE VALLEY DR
City: RESTON State: VA Zip: 20191
Project Contact: TIM. HUFF@WSPGROUP.COM
Phone#:
Sampler(s) Name(s) (Printed): STEVEN DAWSON

Project Information

Project Name: AGRIUM
Street: CONDA RD
City: SODA SPRINGS State: ID
Project #: 36785.01
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Container Information: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	METALS (A)	PH	TOTAL PHOSPHORUS	GENERAL CHEM (B)									Lab Use Only
1	EB-SOIL-2/22/13	2/22/13	0915	SD	AQ	4										X	X	X	X									
2	A-46 (0-1)	2/22	1000	SD	S	1										X	X	X	X									
3	A-46 (1-2)	2/22	1001	SD	S	1										X	X	X	X									
4	A-46 (4-5)	2/22	1002	SD	S	1										X	X	X	X									
5	A-46 (9-10)	2/22	1030	SD	S	1										X	X	X	X									
6	A-46 (14-15)	2/22	1031	SD	S	1										X	X	X	X									
7	A-220	2/22	0900	SD	S	1										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

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- ☐ 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

(A) Al, Sb, Ba, Cd, Be, Ca, Cr, Fe, Pb, Mg, Mn, Ni, K, Na, Se, Tl, V
(B) TKN, NH_3, F^-, NO_3^-, SO_4^{2-}

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	2/22 1400	2 FP	3 FP 02-23-13	9:00	4 02-23-13 9:00
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: 24

5.1 5

FA2047: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2047 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 02-23-13 900 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8755 6122 3767

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 40.4
- [ ] OBSERVED TEMPS: 2.0
- [ ] 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 Wd 02-23-13 REVIEWER SIGNATURE/DATE JC 2-23-13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA2047: Chain of Custody
Page 2 of 2

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: FA2047
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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 FA2047)
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: FA2047
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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	ZZZZZZ	5		
13:48	ZZZZZZ	2		
13:52	ZZZZZZ	2		
13:57	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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 FA2047)
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 FA2047)
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: FA2047
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:49	ZZZZZZ	5		
16:53	ZZZZZZ	5		
16:58	FA2047-2	5		
17:02	FA2047-3	5		
17:07	FA2047-4	5		
17:11	FA2047-5	5		
17:16	FA2047-6	5		
17:20	FA2047-7	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 FA2047)
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	FA2047-1	1		
---------->	Last reportable sample/prep for job FA2047			
19:20	MA10565-CCV13	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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 FA2047
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2047
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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: FA2047
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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	ZZZZZZ	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: FA2047
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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: FA2047
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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	FA2047-2	1994	21211	14363	833
17:02	FA2047-3	2058	22031	14746	823
17:07	FA2047-4	2003	21196	13814	858
17:11	FA2047-5	1667	17787	11926	814
17:16	FA2047-6	2071	21836	14531	905
17:20	FA2047-7	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	FA2047-1	1402	14896	9932	991
19:20	MA10565-CCV13	1351	14428	9597	851

INTERNAL STANDARD SUMMARY

Login Number: FA2047
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,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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: FA2047
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	0.10	<200	0.20	<200	0.30	<200	0.20	<200
Beryllium	4.0	.5	0.0	<5.0	0.30	<5.0	0.40	<4.0	0.30	<4.0
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	0.10	<20	-0.40	<20	0.20	<5.0	-0.20	<5.0
Magnesium	5000	74	0.60	<5000	-1.8	<5000	11.8	<5000	11.3	<5000
Manganese	15	.7	0.0	<15	0.20	<15	0.20	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.10	<40	0.20	<40	0.30	<40	0.30	<40
Potassium	10000	200	-22	<10000	-22	<10000	-5.5	<10000	-14	<10000
Selenium	10	2	1.1	<20	1.0	<20	0.30	<10	-0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	-1.1	<10000	-1.6	<10000	1.2	<10000	0.90	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.30	<10	-0.20	<10	0.20	<10	0.30	<10
Tin	50	.7	anr							
Titanium	10	.9	anr							
Vanadium	50	.5	0.0	<50	0.20	<50	0.20	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2047
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	0.10	<200	0.10	<200	0.10	<200	0.10	<200
Beryllium	4.0	.5	0.20	<4.0	0.10	<4.0	0.10	<4.0	0.10	<4.0
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	-0.80	<5.0	0.0	<5.0	0.0	<5.0	-0.30	<5.0
Magnesium	5000	74	7.6	<5000	26.2	<5000	29.5	<5000	15.3	<5000
Manganese	15	.7	0.20	<15	0.0	<15	0.0	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.0	<40	0.0	<40	-0.10	<40
Potassium	10000	200	-21	<10000	8.3	<10000	30.3	<10000	4.8	<10000
Selenium	10	2	-0.70	<10	-1.1	<10	0.0	<10	-2.1	<10
Silver	10	.5	anr							
Sodium	10000	500	-0.10	<10000	3.5	<10000	9.8	<10000	10.3	<10000
Strontium	10	.5								
Thallium	10	1.3	0.0	<10	0.50	<10	0.0	<10	0.50	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.50	<50	0.10	<50	0.10	<50	0.0	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2047
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	0.50	<200	0.50	<200	0.40	<200	0.40	<200
Beryllium	4.0	.5	0.40	<4.0	0.40	<4.0	0.30	<4.0	0.40	<4.0
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	-0.10	<5.0	-0.40	<5.0	1.0	<5.0	1.8	<5.0
Magnesium	5000	74	25.5	<5000	-1.8	<5000	3.1	<5000	15.8	<5000
Manganese	15	.7	0.40	<15	0.40	<15	0.40	<15	0.40	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.10	<40	-0.20	<40	0.40	<40	0.30	<40
Potassium	10000	200	1.9	<10000	35.4	<10000	18.5	<10000	24.8	<10000
Selenium	10	2	-2.2	<10	0.30	<10	-0.90	<10	-2.0	<10
Silver	10	.5	anr							
Sodium	10000	500	12.9	<10000	34.6	<10000	14.3	<10000	13.2	<10000
Strontium	10	.5								
Thallium	10	1.3	1.5	<10	0.30	<10	-0.30	<10	-0.70	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.40	<50	0.50	<50	0.50	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2047
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	0.30	<200	0.30	<200	0.50	<200	0.60	<200
Beryllium	4.0	.5	0.30	<4.0	0.20	<4.0	0.40	<4.0	0.50	<4.0
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	1.3	<5.0	0.80	<5.0	1.2	<5.0	1.0	<5.0
Magnesium	5000	74	5.3	<5000	-3.4	<5000	-2.0	<5000	18.6	<5000
Manganese	15	.7	0.30	<15	0.20	<15	0.30	<15	0.40	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.50	<40	0.50	<40	0.40	<40
Potassium	10000	200	23.1	<10000	-4.7	<10000	17.7	<10000	10.6	<10000
Selenium	10	2	-3.1	<10	-2.7	<10	0.30	<10	-2.6	<10
Silver	10	.5	anr							
Sodium	10000	500	11.7	<10000	1.1	<10000	13.0	<10000	18.8	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.80	<10	0.30	<10	-0.50	<10	0.50	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.50	<50	0.40	<50	0.60	<50	0.60	<50
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2047
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	2000	2140	107.0	2000	2040	102.0	2000	2120	106.0
Beryllium	2000	2170	108.5	2000	2060	103.0	2000	2160	108.0
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	2000	2060	103.0	2000	2000	100.0	2000	2080	104.0
Magnesium	40000	40700	101.8	40000	41000	102.5	40000	43000	107.5
Manganese	2000	2130	106.5	2000	2080	104.0	2000	2110	105.5
Molybdenum	anr								
Nickel	2000	2150	107.5	2000	2050	102.5	2000	2130	106.5
Potassium	40000	41400	103.5	40000	40700	101.8	40000	42700	106.8
Selenium	2000	2130	106.5	2000	2010	100.5	2000	2070	103.5
Silver	anr								
Sodium	40000	41700	104.3	40000	40900	102.3	40000	42700	106.8
Strontium									
Thallium	2000	2170	108.5	2000	2020	101.0	2000	2090	104.5
Tin	anr								
Titanium	anr								
Vanadium	2000	2190	109.5	2000	2020	101.0	2000	2080	104.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2047
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	2000	2090	104.5	2000	2120	106.0	2000	2020	101.0
Beryllium	2000	2150	107.5	2000	2140	107.0	2000	2020	101.0
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	2000	2060	103.0	2000	2080	104.0	2000	1990	99.5
Magnesium	40000	42900	107.3	40000	42800	107.0	40000	40200	100.5
Manganese	2000	2080	104.0	2000	2140	107.0	2000	2030	101.5
Molybdenum									
Nickel	2000	2120	106.0	2000	2140	107.0	2000	2020	101.0
Potassium	40000	42300	105.8	40000	42500	106.3	40000	39800	99.5
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2010	100.5
Silver	anr								
Sodium	40000	42300	105.8	40000	42500	106.3	40000	40300	100.8
Strontium									
Thallium	2000	2070	103.5	2000	2100	105.0	2000	2010	100.5
Tin									
Titanium									
Vanadium	2000	2070	103.5	2000	2090	104.5	2000	1980	99.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2047
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	2000	2050	102.5	2000	2030	101.5	2000	2060	103.0
Beryllium	2000	2060	103.0	2000	2060	103.0	2000	2070	103.5
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	2000	2020	101.0	2000	2000	100.0	2000	2040	102.0
Magnesium	40000	41000	102.5	40000	40800	102.0	40000	41200	103.0
Manganese	2000	2080	104.0	2000	2050	102.5	2000	2100	105.0
Molybdenum									
Nickel	2000	2060	103.0	2000	2040	102.0	2000	2080	104.0
Potassium	40000	40500	101.3	40000	40400	101.0	40000	40400	101.0
Selenium	2000	2030	101.5	2000	2010	100.5	2000	2060	103.0
Silver	anr								
Sodium	40000	40900	102.3	40000	40800	102.0	40000	40900	102.3
Strontium									
Thallium	2000	2040	102.0	2000	2020	101.0	2000	2070	103.5
Tin									
Titanium									
Vanadium	2000	2020	101.0	2000	2000	100.0	2000	2040	102.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2047
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	2000	2100	105.0	2000	2020	101.0	2000	2000	100.0
Beryllium	2000	2120	106.0	2000	2030	101.5	2000	2020	101.0
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	2000	2070	103.5	2000	2000	100.0	2000	1990	99.5
Magnesium	40000	42000	105.0	40000	40200	100.5	40000	39900	99.8
Manganese	2000	2120	106.0	2000	1990	99.5	2000	2010	100.5
Molybdenum									
Nickel	2000	2100	105.0	2000	2050	102.5	2000	2020	101.0
Potassium	40000	41500	103.8	40000	40200	100.5	40000	39900	99.8
Selenium	2000	2070	103.5	2000	2010	100.5	2000	2000	100.0
Silver	anr								
Sodium	40000	42000	105.0	40000	40500	101.3	40000	40200	100.5
Strontium									
Thallium	2000	2100	105.0	2000	2020	101.0	2000	2010	100.5
Tin									
Titanium									
Vanadium	2000	2060	103.0	2000	1970	98.5	2000	1960	98.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2047
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	2000	2000	100.0	2000	2010	100.5	2000	2010	100.5
Beryllium	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
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	2000	1990	99.5	2000	1990	99.5	2000	2000	100.0
Magnesium	40000	39900	99.8	40000	40300	100.8	40000	40300	100.8
Manganese	2000	2020	101.0	2000	2050	102.5	2000	2060	103.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2040	102.0	2000	2050	102.5
Potassium	40000	39700	99.3	40000	39700	99.3	40000	39400	98.5
Selenium	2000	2010	100.5	2000	2000	100.0	2000	2020	101.0
Silver	anr								
Sodium	40000	39900	99.8	40000	39900	99.8	40000	39500	98.8
Strontium									
Thallium	2000	2020	101.0	2000	2010	100.5	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	1970	98.5	2000	1990	99.5	2000	2000	100.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2047
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	2000	2030	101.5
Beryllium	2000	2030	101.5
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	2000	2010	100.5
Magnesium	40000	40600	101.5
Manganese	2000	2070	103.5
Molybdenum			
Nickel	2000	2050	102.5
Potassium	40000	39800	99.5
Selenium	2000	2010	100.5
Silver	anr		
Sodium	40000	39900	99.8
Strontium			
Thallium	2000	2030	101.5
Tin			
Titanium			
Vanadium	2000	2010	100.5
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA2047
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	4000	4030	100.8
Beryllium	4000	4030	100.8
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	4000	4080	102.0
Magnesium	80000	81300	101.6
Manganese	4000	3980	99.5
Molybdenum	anr		
Nickel	4000	4010	100.3
Potassium	80000	79800	99.8
Selenium	4000	4070	101.8
Silver	anr		
Sodium	80000	79400	99.3
Strontium			
Thallium	4000	4030	100.8
Tin	anr		
Titanium	anr		
Vanadium	4000	4010	100.3
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2047
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	201	100.5	204	102.0
Beryllium	10	5.0	5.0	100.0	5.0	100.0
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	4.4	88.0	6.3	126.0
Magnesium	10000	5000	4840	96.8	4850	97.0
Manganese	30	15	16.2	108.0	17.5	116.7
Molybdenum	100	50	anr			
Nickel	80	40	42.5	106.3	43.6	109.0
Potassium	20000	10000	9680	96.8	9780	97.8
Selenium	20	10	9.2	92.0	9.8	98.0
Silver	20	10	anr			
Sodium	20000	10000	9600	96.0	9810	98.1
Strontium	20	10				
Thallium	20	10	11.5	115.0	8.5	85.0
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	52.9	105.8	54.5	109.0
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: FA2047
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: FA2047
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: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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 FA2047)
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: FA2047
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: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	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	ZZZZZZ	20		
	15:36	FA2074-1	5		(sample used for QC only; not part of login FA2047)
	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	FA2047-7	10		
	16:22	MP24684-MB1	1		
---------->	Last reportable sample/prep for job FA2047				
	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 FA2047				

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2047
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: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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: FA2047
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: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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	ZZZZZZ	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	FA2047-7	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: FA2047
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: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

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: FA2047
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	-12	<200	-2.3	<200	4.5	<200	2.0	<200
Antimony	6.0	1.3	-0.60	<6.0	-1.6	<6.0	-0.30	<6.0	-0.30	<6.0
Arsenic	10	1.6	0.80	<10	0.60	<10	-0.40	<10	0.70	<10
Barium	200	1	0.0	<200	0.10	<200	-0.30	<200	-0.20	<200
Beryllium	4.0	.5	-0.10	<4.0	0.0	<4.0	-0.30	<4.0	-0.30	<4.0
Cadmium	5.0	.5	-0.10	<5.0	0.10	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	-3.4	<1000	11.6	<1000	0.30	<1000	-1.2	<1000
Chromium	10	1.8	-0.10	<10	0.20	<10	0.30	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-2.9	<300	3.0	<300	-3.7	<300	-1.2	<300
Lead	5.0	1.1	0.0	<5.0	-0.10	<5.0	0.50	<5.0	-0.20	<5.0
Magnesium	5000	74	-11	<5000	1.1	<5000	-7.7	<5000	-15	<5000
Manganese	15	.7	-0.10	<15	0.10	<15	-0.10	<15	0.0	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.20	<40	0.0	<40	0.0	<40	0.10	<40
Potassium	10000	200	-12	<10000	10.0	<10000	23.9	<10000	33.4	<10000
Selenium	10	2	0.0	<10	-0.40	<10	-1.4	<10	-1.2	<10
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	-0.70	<10	-0.50	<10	-0.40	<10	-0.20	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.30	<50	0.0	<50	-0.20	<50	-0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2047
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	-4.0	<200	-5.7	<200	3.2	<200	2.1	<200
Antimony	6.0	1.3	-0.80	<6.0	0.90	<6.0	-0.80	<6.0	-0.20	<6.0
Arsenic	10	1.6	-0.20	<10	0.20	<10	-0.30	<10	0.40	<10
Barium	200	1	-0.20	<200	0.0	<200	-0.20	<200	-0.10	<200
Beryllium	4.0	.5	-0.30	<4.0	0.0	<4.0	-0.20	<4.0	-0.10	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	3.0	<1000	1.3	<1000	1.3	<1000	-2.3	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	-0.10	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-4.6	<300	1.7	<300	-0.60	<300	0.60	<300
Lead	5.0	1.1	-0.70	<5.0	-0.20	<5.0	0.20	<5.0	-0.40	<5.0
Magnesium	5000	74	1.2	<5000	-12	<5000	2.1	<5000	-0.80	<5000
Manganese	15	.7	-0.10	<15	0.0	<15	-0.10	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	0.0	<40	0.0	<40	-0.10	<40
Potassium	10000	200	38.2	<10000	3.9	<10000	-18	<10000	-31	<10000
Selenium	10	2	0.0	<10	0.0	<10	0.60	<10	0.50	<10
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	-0.50	<10	0.30	<10	0.40	<10	0.10	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.20	<50	-0.10	<50	-0.10	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2047
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	-1.1	<200
Antimony	6.0	1.3	-0.30	<6.0
Arsenic	10	1.6	0.30	<10
Barium	200	1	-0.20	<200
Beryllium	4.0	.5	-0.20	<4.0
Cadmium	5.0	.5	0.10	<5.0
Calcium	1000	50	1.5	<1000
Chromium	10	1.8	0.10	<10
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	2.5	<300
Lead	5.0	1.1	0.10	<5.0
Magnesium	5000	74	-1.4	<5000
Manganese	15	.7	0.0	<15
Molybdenum	50	.6		
Nickel	40	.5	0.10	<40
Potassium	10000	200	-38	<10000
Selenium	10	2	0.30	<10
Silver	10	.5	anr	
Sodium	10000	500	-18	<10000
Strontium	10	.5		
Thallium	10	1.3	0.20	<10
Tin	50	.7		
Titanium	10	.9		
Vanadium	50	.5	0.0	<50
Zinc	20	3	anr	

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2047
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	40000	41300	103.3	40000	41100	102.8	40000	41200	103.0
Antimony	2000	2050	102.5	2000	1950	97.5	2000	2070	103.5
Arsenic	2000	2020	101.0	2000	1970	98.5	2000	2060	103.0
Barium	2000	2090	104.5	2000	2030	101.5	2000	2050	102.5
Beryllium	2000	2110	105.5	2000	2000	100.0	2000	2090	104.5
Cadmium	2000	2070	103.5	2000	2030	101.5	2000	2070	103.5
Calcium	40000	41900	104.8	40000	41300	103.3	40000	41400	103.5
Chromium	2000	2070	103.5	2000	2030	101.5	2000	2050	102.5
Cobalt									
Copper	anr								
Iron	40000	40700	101.8	40000	40000	100.0	40000	41900	104.8
Lead	2000	2000	100.0	2000	1950	97.5	2000	2030	101.5
Magnesium	40000	39600	99.0	40000	40400	101.0	40000	41600	104.0
Manganese	2000	2080	104.0	2000	2000	100.0	2000	2090	104.5
Molybdenum									
Nickel	2000	2080	104.0	2000	1980	99.0	2000	2090	104.5
Potassium	40000	41000	102.5	40000	40300	100.8	40000	41700	104.3
Selenium	2000	2080	104.0	2000	1960	98.0	2000	2070	103.5
Silver	anr								
Sodium	40000	41300	103.3	40000	41300	103.3	40000	41300	103.3
Strontium									
Thallium	2000	2110	105.5	2000	1970	98.5	2000	2050	102.5
Tin									
Titanium									
Vanadium	2000	2110	105.5	2000	1970	98.5	2000	2010	100.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2047
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	40000	41200	103.0	40000	40700	101.8	40000	39500	98.8
Antimony	2000	2070	103.5	2000	2150	107.5	2000	1990	99.5
Arsenic	2000	2060	103.0	2000	2090	104.5	2000	1980	99.0
Barium	2000	2050	102.5	2000	2030	101.5	2000	1980	99.0
Beryllium	2000	2120	106.0	2000	2090	104.5	2000	2000	100.0
Cadmium	2000	2040	102.0	2000	2060	103.0	2000	1990	99.5
Calcium	40000	41400	103.5	40000	40500	101.3	40000	39700	99.3
Chromium	2000	2000	100.0	2000	2000	100.0	2000	1970	98.5
Cobalt									
Copper	anr								
Iron	40000	42300	105.8	40000	41600	104.0	40000	37200	93.0
Lead	2000	2020	101.0	2000	2050	102.5	2000	1950	97.5
Magnesium	40000	42000	105.0	40000	40900	102.3	40000	39600	99.0
Manganese	2000	2050	102.5	2000	2060	103.0	2000	1980	99.0
Molybdenum									
Nickel	2000	2110	105.5	2000	2140	107.0	2000	2010	100.5
Potassium	40000	42400	106.0	40000	42600	106.5	40000	39800	99.5
Selenium	2000	2080	104.0	2000	2130	106.5	2000	2000	100.0
Silver	anr								
Sodium	40000	41300	103.3	40000	40900	102.3	40000	39500	98.8
Strontium									
Thallium	2000	2040	102.0	2000	2070	103.5	2000	1970	98.5
Tin									
Titanium									
Vanadium	2000	1980	99.0	2000	1990	99.5	2000	2000	100.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2047
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	40000	38800	97.0	40000	39300	98.3	40000	39100	97.8
Antimony	2000	1900	95.0	2000	1960	98.0	2000	1950	97.5
Arsenic	2000	1920	96.0	2000	1970	98.5	2000	1960	98.0
Barium	2000	1960	98.0	2000	1970	98.5	2000	1970	98.5
Beryllium	2000	1920	96.0	2000	1960	98.0	2000	1970	98.5
Cadmium	2000	1960	98.0	2000	2000	100.0	2000	1980	99.0
Calcium	40000	39100	97.8	40000	39500	98.8	40000	39400	98.5
Chromium	2000	1960	98.0	2000	1970	98.5	2000	1960	98.0
Cobalt									
Copper	anr								
Iron	40000	35900	90.0	40000	36600	91.5	40000	36800	92.0
Lead	2000	1900	95.0	2000	1940	97.0	2000	1930	96.5
Magnesium	40000	38600	96.5	40000	39300	98.3	40000	39300	98.3
Manganese	2000	1960	98.0	2000	1980	99.0	2000	1990	99.5
Molybdenum									
Nickel	2000	1920	96.0	2000	1990	99.5	2000	1970	98.5
Potassium	40000	38500	96.3	40000	39500	98.8	40000	39700	99.3
Selenium	2000	1910	95.5	2000	1980	99.0	2000	1960	98.0
Silver	anr								
Sodium	40000	39200	98.0	40000	39700	99.3	40000	39500	98.8
Strontium									
Thallium	2000	1930	96.5	2000	1960	98.0	2000	1950	97.5
Tin									
Titanium									
Vanadium	2000	1960	98.0	2000	1980	99.0	2000	1980	99.0
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA2047
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	80000	79700	99.6
Antimony	4000	4080	102.0
Arsenic	4000	4060	101.5
Barium	4000	4010	100.3
Beryllium	4000	4000	100.0
Cadmium	4000	3980	99.5
Calcium	80000	79100	98.9
Chromium	4000	3940	98.5
Cobalt			
Copper	anr		
Iron	80000	79400	99.3
Lead	4000	4070	101.8
Magnesium	80000	79300	99.1
Manganese	4000	3890	97.3
Molybdenum			
Nickel	4000	4020	100.5
Potassium	80000	80600	100.8
Selenium	4000	4070	101.8
Silver	anr		
Sodium	80000	79600	99.5
Strontium			
Thallium	4000	4030	100.8
Tin			
Titanium			
Vanadium	4000	3980	99.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2047
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	204	102.0	202	101.0
Antimony	10	5.0	4.4	88.0	4.5	90.0
Arsenic	20	10	8.9	89.0	9.3	93.0
Barium	400	200	199	99.5	195	97.5
Beryllium	10	5.0	4.9	98.0	4.5	90.0
Cadmium	10	5.0	5.1	102.0	4.8	96.0
Calcium	2000	1000	1040	104.0	1000	100.0
Chromium	20	10	10.1	101.0	9.8	98.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	307	102.3	288	96.0
Lead	10	5.0	4.8	96.0	4.3	86.0
Magnesium	10000	5000	5040	100.8	4950	99.0
Manganese	30	15	15.2	101.3	15.3	102.0
Molybdenum	100	50				
Nickel	80	40	41.0	102.5	40.4	101.0
Potassium	20000	10000	9990	99.9	9750	97.5
Selenium	20	10	10.9	109.0	9.1	91.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	9860	98.6
Strontium	20	10				
Thallium	20	10	8.5	85.0	8.4	84.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	51.1	102.2	46.4	92.8
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: FA2047
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: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/26/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	0.57	<10
Antimony	1.0	.065	.095	-0.010	<1.0
Arsenic	0.50	.08	.08	-0.17	<0.50
Barium	10	.05	.25	0.0050	<10
Beryllium	0.25	.025	.025	0.0	<0.25
Cadmium	0.20	.025	.025	-0.0050	<0.20
Calcium	250	2.5	2.5	1.7	<250
Chromium	0.50	.09	.09	0.020	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	1.2	<15
Lead	1.0	.055	.055	-0.030	<1.0
Magnesium	250	3.7	3.8	1.0	<250
Manganese	0.75	.035	.045	0.010	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	-0.0050	<2.0
Potassium	500	10	10	0.76	<500
Selenium	1.0	.1	.15	-0.025	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	0.96	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.11	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	-0.0050	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24678: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7

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: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			02/26/13					02/26/13	
Metal	FA2074-1 Original	DUP	RPD	QC Limits	FA2074-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	2850	2980	4.5	0-20	2850	4020	1340	87.4	80-120
Antimony	0.99	0.77 (a)	25.0 (b)	0-20	0.99	17.5 (a)	24.8	66.6N(d)	80-120
Arsenic	12.9	10.6	12.4	0-20	12.9	90.1	99.2	78.7N(d)	80-120
Barium	18.2	19.2	5.3	0-20	18.2	107	99.2	89.5	80-120
Beryllium	0.0	0.10	5.1	0-20	0.0	2.4	2.48	92.9	80-120
Cadmium	0.030	0.0 (a)	0.0	0-20	0.030	2.2 (a)	2.48	88.7	80-120
Calcium	61100	63100	3.2	0-20	61100	62700	1240	129.0(e)	80-120
Chromium	6.5	8.8 (a)	12.0	0-20	6.5	17.4 (a)	9.92	96.8	80-120
Cobalt									
Copper									
Iron	3770	4210	19.0	0-20	3770	4290	1290	62.8N(d)	80-120
Lead	14.8	16.0 (a)	2.5	0-20	14.8	38.3 (a)	24.8	91.5	80-120
Magnesium	578	717	33.0 (b)	0-20	578	1670	1240	93.2	80-120
Manganese	23.0	25.5	26.7*(c)	0-20	23.0	38.2	24.8	75.4N(d)	80-120
Molybdenum									
Nickel	2.0	2.5	22.2 (b)	0-20	2.0	21.6	24.8	79.0N(d)	80-120
Potassium	230	210	9.1	0-20	230	1430	1240	96.8	80-120
Selenium	0.0	0.0 (a)	NC	0-20	0.0	93.6 (a)	99.2	94.4	80-120
Silver	anr								
Sodium	286	428	39.8 (b)	0-20	286	1680	1240	112.4	80-120
Strontium									
Thallium	0.0	0.0 (a)	NC	0-20	0.0	93.9 (a)	99.2	94.7	80-120
Tin									
Titanium									
Vanadium	8.3	7.1	15.6	0-20	8.3	27.9	24.8	79.0N(d)	80-120
Zinc									

Associated samples MP24678: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7

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) Elevated reporting limit(s) due to matrix interference.
(b) RPD acceptable due to low duplicate and sample concentrations.
(c) High RPD due to possible sample nonhomogeneity.
(d) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(e) 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: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 02/26/13

Metal	FA2074-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	2850	3880	1060	96.8	3.5	20
Antimony	0.99	12.1 (a)	19.7	56.4N(b)	36.5 (c)	20
Arsenic	12.9	72.9	78.8	77.3N(b)	21.1 (c)	20
Barium	18.2	84.7	78.8	84.4	23.3 (c)	20
Beryllium	0.0	1.8	1.97	86.5	28.6 (c)	20
Cadmium	0.030	1.5 (a)	1.97	76.1N(b)	37.8 (c)	20
Calcium	61100	77300	985	1644.3(d	20.9 (c)	20
Chromium	6.5	16.0 (a)	7.88	104.0	8.4	20
Cobalt						
Copper						
Iron	3770	3980	1020	48.8N(b)	7.5	20
Lead	14.8	34.2 (a)	19.7	94.4	11.3	20
Magnesium	578	1380	985	87.9	19.0	20
Manganese	23.0	33.0	19.7	68.5N(b)	14.6	20
Molybdenum						
Nickel	2.0	16.6	19.7	74.1N(b)	26.2 (c)	20
Potassium	230	1150	985	93.4	21.7 (c)	20
Selenium	0.0	74.8 (a)	78.8	94.9	22.3 (c)	20
Silver	anr					
Sodium	286	1250	985	97.8	29.4 (c)	20
Strontium						
Thallium	0.0	74.0 (a)	78.8	93.9	23.7 (c)	20
Tin						
Titanium						
Vanadium	8.3	24.1	19.7	80.2	14.6	20
Zinc						

Associated samples MP24678: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7

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) Elevated reporting limit(s) due to matrix interference.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(c) High RPD due to possible sample nonhomogeneity.
(d) 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: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/26/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1470	1350	108.9	80-120
Antimony	26.7	25	106.8	80-120
Arsenic	103	100	103.0	80-120
Barium	109	100	109.0	80-120
Beryllium	2.8	2.5	112.0	80-120
Cadmium	2.6	2.5	104.0	80-120
Calcium	1380	1250	110.4	80-120
Chromium	11.0	10	110.0	80-120
Cobalt				
Copper				
Iron	1450	1300	111.5	80-120
Lead	25.0	25	100.0	80-120
Magnesium	1340	1250	107.2	80-120
Manganese	27.7	25	110.8	80-120
Molybdenum				
Nickel	27.3	25	109.2	80-120
Potassium	1370	1250	109.6	80-120
Selenium	105	100	105.0	80-120
Silver	anr			
Sodium	1380	1250	110.4	80-120
Strontium				
Thallium	104	100	104.0	80-120
Tin				
Titanium				
Vanadium	27.7	25	110.8	80-120
Zinc				

Associated samples MP24678: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/13

Metal	FA2074-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	65900	70600	7.2	0-10
Antimony	22.9	0.00	100.0(a)	0-10
Arsenic	297	309	11.3*(b)	0-10
Barium	422	478	13.4*(b)	0-10
Beryllium	0.00	0.00	NC (a)	0-10
Cadmium	0.700	0.00	NC	0-10
Calcium	1410000	1540000	9.3	0-10
Chromium	151	181	0.1	0-10
Cobalt				
Copper				
Iron	87300	96100	19.6*(b)	0-10
Lead	342	299	17.2*(b)	0-10
Magnesium	13400	14000	17.8*(b)	0-10
Manganese	532	550	22.0*(b)	0-10
Molybdenum				
Nickel	46.7	58.8	25.9*(b)	0-10
Potassium	5320	5840	9.9	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	6620	7280	10.1 (a)	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	191	226	18.0*(b)	0-10
Zinc				

Associated samples MP24678: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7

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: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24678
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/13

Metal	Sample ml	Final ml	FA2074-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	65880	64562.4	67440	0.2	125	2500	115.1	80-120
Antimony	9.8	10	22.9	22.442	134.5	0.2	5	100	112.1	80-120
Arsenic	9.8	10	297.1	271.95	366.8	0.2	5	100	94.9	80-120
Barium	9.8	10	421.7	413.266	643.5	0.2	12.5	250	92.1	80-120
Beryllium	9.8	10	0	2.156	49.6	0.2	2.5	50	94.9	80-120
Cadmium	9.8	10	0.7	0	47.1	0.2	2.5	50	94.2	80-120
Calcium	9.8	10	1412000	1383760	1480000	0.2	250	5000	1924.8*a	80-120
Chromium	9.8	10	151.2	176.988	240.2	0.2	2.5	50	126.4*(a	80-120
Cobalt										
Copper										
Iron	9.8	10	87260	78772.4	82090	0.2	150	3000	110.6	80-120
Lead	9.8	10	341.5	353.878	433.2	0.2	2.5	50	158.6*(a	80-120
Magnesium	9.8	10	13360	11642.4	16120	0.2	250	5000	89.6	80-120
Manganese	9.8	10	532.3	441.98	482.9	0.2	2.5	50	81.8	80-120
Molybdenum										
Nickel	9.8	10	46.7	45.766	125.3	0.2	5	100	79.5*(a)	80-120
Potassium	9.8	10	5318	5211.64	15110	0.2	500	10000	99.0	80-120
Selenium	9.8	10	0	0	108.6	0.2	5	100	108.6	80-120
Silver										
Sodium	9.8	10	6617	6484.66	16530	0.2	500	10000	100.5	80-120
Strontium										
Thallium	9.8	10	0	0	95.5	0.2	5	100	95.5	80-120
Tin										
Titanium										
Vanadium	9.8	10	191.2	187.376	232.8	0.2	2.5	50	90.8	80-120
Zinc										

Associated samples MP24678: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7

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.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24684
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	15.4	<200
Antimony	6.0	1.3	1.3	-1.0	<6.0
Arsenic	10	1.6	2.5	1.9	<10
Barium	200	1	1	0.10	<200
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5	0.40	<5.0
Calcium	1000	50	50	33.1	<1000
Chromium	10	1.8	2	0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	9.5	<300
Lead	5.0	1.1	1.1	2.8	<5.0
Magnesium	5000	74	74	-7.8	<5000
Manganese	15	.7	.7	0.20	<15
Molybdenum	50	.6	1		
Nickel	40	.5	.5	0.20	<40
Potassium	10000	200	200	6.8	<10000
Selenium	10	2	2	0.40	<10
Silver	10	.5	.5		
Sodium	10000	500	500	13.4	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3	-0.80	<10
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1	0.10	<50
Zinc	20	3	5		

Associated samples MP24684: FA2047-1

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: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24684
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/13 02/26/13

Metal	FA2016-2 Original	DUP	RPD	QC Limits	FA2016-2 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	93.2	84.6	9.7	0-20	93.2	27400	27000	101.1	80-120
Antimony	0.0	1.3	200.0(a)	0-20	0.0	512	500	102.4	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2000	2000	100.0	80-120
Barium	19.3	19.5	1.0	0-20	19.3	2110	2000	104.5	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	51.8	50	103.6	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	49.8	50	99.6	80-120
Calcium	60000	60900	1.5	0-20	60000	80100	25000	80.4	80-120
Chromium	0.0	0.0	NC	0-20	0.0	209	200	104.5	80-120
Cobalt									
Copper	anr								
Iron	5470	5570	1.8	0-20	5470	31200	26000	99.0	80-120
Lead	1.7	0.0	200.0(a)	0-20	1.7	487	500	97.1	80-120
Magnesium	3800	3910	2.9	0-20	3800	28000	25000	96.8	80-120
Manganese	88.1	91.1	3.3	0-20	88.1	607	500	103.8	80-120
Molybdenum									
Nickel	3.0	3.4	12.5	0-20	3.0	523	500	104.0	80-120
Potassium	2370	2380	0.4	0-20	2370	27700	25000	101.3	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2030	2000	101.5	80-120
Silver									
Sodium	2650	2650	0.0	0-20	2650	28000	25000	101.4	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	2010	2000	100.5	80-120
Tin									
Titanium									
Vanadium	13.6	13.7	0.7	0-20	13.6	544	500	106.1	80-120
Zinc	anr								

Associated samples MP24684: FA2047-1

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.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24684
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/13

Metal	FA2016-2 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	93.2	28900	27000	106.7	5.3	20
Antimony	0.0	540	500	108.0	5.3	20
Arsenic	0.0	2120	2000	106.0	5.8	20
Barium	19.3	2190	2000	108.5	3.7	20
Beryllium	0.0	54.2	50	108.4	4.5	20
Cadmium	0.0	52.8	50	105.6	5.8	20
Calcium	60000	84600	25000	98.4	5.5	20
Chromium	0.0	221	200	110.5	5.6	20
Cobalt						
Copper	anr					
Iron	5470	32900	26000	105.5	5.3	20
Lead	1.7	525	500	104.7	7.5	20
Magnesium	3800	29700	25000	103.6	5.9	20
Manganese	88.1	641	500	110.6	5.4	20
Molybdenum						
Nickel	3.0	548	500	109.0	4.7	20
Potassium	2370	29000	25000	106.5	4.6	20
Selenium	0.0	2230	2000	111.5	9.4	20
Silver						
Sodium	2650	29300	25000	106.6	4.5	20
Strontium						
Thallium	0.0	2170	2000	108.5	7.7	20
Tin						
Titanium						
Vanadium	13.6	570	500	111.3	4.7	20
Zinc	anr					

Associated samples MP24684: FA2047-1

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24684
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	27100	27000	100.4	80-120
Antimony	505	500	101.0	80-120
Arsenic	1960	2000	98.0	80-120
Barium	2080	2000	104.0	80-120
Beryllium	51.7	50	103.4	80-120
Cadmium	50.6	50	101.2	80-120
Calcium	25000	25000	100.0	80-120
Chromium	211	200	105.5	80-120
Cobalt				
Copper	anr			
Iron	26500	26000	101.9	80-120
Lead	482	500	96.4	80-120
Magnesium	24400	25000	97.6	80-120
Manganese	529	500	105.8	80-120
Molybdenum				
Nickel	525	500	105.0	80-120
Potassium	25400	25000	101.6	80-120
Selenium	1990	2000	99.5	80-120
Silver				
Sodium	25500	25000	102.0	80-120
Strontium				
Thallium	2000	2000	100.0	80-120
Tin				
Titanium				
Vanadium	529	500	105.8	80-120
Zinc	anr			

Associated samples MP24684: FA2047-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24684
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/13

Metal	FA2016-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	93.2	87.0	6.7	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	19.3	19.2	0.5	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	60000	56400	6.1	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	5470	5280	3.4	0-10
Lead	1.70	0.00	100.0(a)	0-10
Magnesium	3800	3580	5.6	0-10
Manganese	88.1	86.7	1.6	0-10
Molybdenum				
Nickel	3.00	3.30	10.0	0-10
Potassium	2370	2170	8.3	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	2650	0.00	100.0(a)	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	13.6	15.2	11.8 (a)	0-10
Zinc	anr			

Associated samples MP24684: FA2047-1

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: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24684
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/26/13

Metal	Sample ml	Final ml	FA2016-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	93.2	91.336	2599	0.2	125	2500	100.3	80-120
Antimony	9.8	10	0	0	104.5	0.2	5	100	104.5	80-120
Arsenic	9.8	10	0	0	102.4	0.2	5	100	102.4	80-120
Barium	9.8	10	19.3	18.914	274.3	0.2	12.5	250	102.2	80-120
Beryllium	9.8	10	0	0	52.1	0.2	2.5	50	104.2	80-120
Cadmium	9.8	10	0	0	52.5	0.2	2.5	50	105.0	80-120
Calcium	9.8	10	60040	58839.2	63590	0.2	250	5000	95.0	80-120
Chromium	9.8	10	0	0	52.7	0.2	2.5	50	105.4	80-120
Cobalt										
Copper										
Iron	9.8	10	5469	5359.62	8393	0.2	150	3000	101.1	80-120
Lead	9.8	10	1.7	1.666	49.1	0.2	2.5	50	94.9	80-120
Magnesium	9.8	10	3797	3721.06	8598	0.2	250	5000	97.5	80-120
Manganese	9.8	10	88.1	86.338	137.9	0.2	2.5	50	103.1	80-120
Molybdenum										
Nickel	9.8	10	3	2.94	107.7	0.2	5	100	104.8	80-120
Potassium	9.8	10	2366	2318.68	12810	0.2	500	10000	104.9	80-120
Selenium	9.8	10	0	0	101.8	0.2	5	100	101.8	80-120
Silver										
Sodium	9.8	10	2649	2596.02	13140	0.2	500	10000	105.4	80-120
Strontium										
Thallium	9.8	10	0	0	100.5	0.2	5	100	100.5	80-120
Tin										
Titanium										
Vanadium	9.8	10	13.6	13.328	66.5	0.2	2.5	50	106.3	80-120
Zinc										

Associated samples MP24684: FA2047-1

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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2047
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
Fluoride	GP21089/GN54407	1.0	0.0	mg/kg	24.9	25.5	102.4	90-110%
Fluoride	GP21097/GN54435	0.20	0.0	mg/l	2.5	2.60	104.0	90-110%
Nitrogen, Ammonia	GP21056/GN54336	0.10	0.0	mg/l	2.5	2.50	100.0	90-110%
Nitrogen, Ammonia	GP21130/GN54532	1.2	0.0	mg/kg	28.8	29.0	100.5	80-120%
Nitrogen, Nitrate	GP21089/GN54407	1.0	0.0	mg/kg	24.9	24.6	98.8	90-110%
Nitrogen, Nitrate	GP21097/GN54435	0.10	0.0	mg/l	2.5	2.39	95.6	90-110%
Nitrogen, Nitrite	GP21097/GN54435	0.10	0.0	mg/l	2.5	2.46	98.4	90-110%
Nitrogen, Total Kjeldahl	GP21095/GN54449	0.53	0.0	mg/l	2.63	2.68	102.1	90-110%
Nitrogen, Total Kjeldahl	GP21096/GN54472	10	0.0	mg/kg	99.1	101	102.0	80-120%
Phosphorus, Total	GP21064/GN54360	0.10	0.0	mg/l	.300	0.29	95.5	81-118%
Phosphorus, Total	GP21100/GN54454	6.7	0.0	mg/kg	20.0mg/kg	19.1	95.5	81-126%
Sulfate	GP21089/GN54407	20	0.0	mg/kg	498	502	100.8	90-110%
Sulfate	GP21097/GN54435	2.0	0.0	mg/l	50	50.4	100.8	90-110%

Associated Samples:
Batch GP21056: FA2047-1
Batch GP21064: FA2047-1
Batch GP21089: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GP21095: FA2047-1
Batch GP21096: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GP21097: FA2047-1
Batch GP21100: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GP21130: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2047
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
Phosphorus, Total	GP21064/GN54360	FA2110-1	mg/l	0.074	0.074	0.0	0-22%
Phosphorus, Total	GP21100/GN54454	FA1973-1	mg/kg	98900	96700	3.3	0-23%
Solids, Percent	GN54418	FA2088-1	%	91	91.5	0.5	0-5%
pH	GN54348	FA2047-1	su	4.55	4.60	1.1	0-10%
pH	GN54441	FA1973-3	su	6.05	5.86	3.2	0-10%

Associated Samples:
Batch GN54348: FA2047-1
Batch GN54418: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GN54441: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GP21064: FA2047-1
Batch GP21100: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2047
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
Fluoride	GP21089/GN54407	FA1973-4	mg/kg	10.5	30.8	30.0	63.4N(a)	90-110%
Fluoride	GP21097/GN54451	FA2110-1	mg/l	0.15	2.5	2.2	82.0N(b)	90-110%
Nitrogen, Ammonia	GP21056/GN54336	FA2047-1	mg/l	0.030 U	2.5	2.4	96.0	90-110%
Nitrogen, Ammonia	GP21130/GN54532	FA2134-4	mg/kg	71.4	34.9	98.9	78.8N(a)	80-120%
Nitrogen, Nitrate	GP21089/GN54407	FA1973-4	mg/kg	3.1 U	30.8	31.2	101.4	90-110%
Nitrogen, Nitrate	GP21097/GN54451	FA2110-1	mg/l	0.050 U	2.5	2.3	92.0	90-110%
Nitrogen, Nitrite	GP21097/GN54451	FA2110-1	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Total Kjeldahl	GP21095/GN54449	FA2149-6	mg/l	11.0	2.63	14.8	144.8(c)	90-110%
Nitrogen, Total Kjeldahl	GP21096/GN54472	FA2047-2	mg/kg	1120	123	882	-194.3(c)	80-120%
Phosphorus, Total	GP21064/GN54360	FA2110-1	mg/l	0.074	.300	0.42	115.0	81-118%
Phosphorus, Total	GP21100/GN54454	FA1973-1	mg/kg	98900	23.4	99200	0.0(c)	81-126%
Sulfate	GP21089/GN54407	FA1973-4	mg/kg	406	615	1040	103.1	90-110%
Sulfate	GP21097/GN54451	FA2110-1	mg/l	4.8	50	51.4	93.2	90-110%

Associated Samples:
Batch GP21056: FA2047-1
Batch GP21064: FA2047-1
Batch GP21089: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GP21095: FA2047-1
Batch GP21096: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GP21097: FA2047-1
Batch GP21100: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GP21130: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike recovery indicates possible matrix interference.
(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: FA2047
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
Fluoride	GP21089/GN54407	FA1973-4	mg/kg	10.5	30.8	29.7	1.0N(a)	
Fluoride	GP21097/GN54451	FA2110-1	mg/l	0.15	2.5	2.2	0.0N(b)	
Nitrogen, Ammonia	GP21056/GN54336	FA2047-1	mg/l	0.030 U	2.5	2.5	4.1	20%
Nitrogen, Ammonia	GP21130/GN54532	FA2134-4	mg/kg	71.4	34.2	99.2	0.3(a)	30%
Nitrogen, Nitrate	GP21089/GN54407	FA1973-4	mg/kg	3.1 U	30.8	30.6	1.9	
Nitrogen, Nitrate	GP21097/GN54451	FA2110-1	mg/l	0.050 U	2.5	2.3	0.0	
Nitrogen, Nitrite	GP21097/GN54451	FA2110-1	mg/l	0.050 U	2.5	2.4	0.0	
Nitrogen, Total Kjeldahl	GP21095/GN54449	FA2149-6	mg/l	11.0	2.63	14.3	3.4(c)	20%
Nitrogen, Total Kjeldahl	GP21096/GN54472	FA2047-2	mg/kg	1120	120	1210	31.4(c)	30%
Phosphorus, Total	GP21064/GN54360	FA2110-1	mg/l	0.074	.300	0.408	3.1	22%
Phosphorus, Total	GP21100/GN54454	FA1973-1	mg/kg	98900	23.4	10100	1.5(d)	23%
Sulfate	GP21089/GN54407	FA1973-4	mg/kg	406	615	1010	2.9	
Sulfate	GP21097/GN54451	FA2110-1	mg/l	4.8	50	51.4	0.0	

Associated Samples:
Batch GP21056: FA2047-1
Batch GP21064: FA2047-1
Batch GP21089: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GP21095: FA2047-1
Batch GP21096: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GP21097: FA2047-1
Batch GP21100: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
Batch GP21130: FA2047-2, FA2047-3, FA2047-4, FA2047-5, FA2047-6, FA2047-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike recovery indicates possible matrix interference.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(d) 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: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: B022613AMN1.CSV Date Analyzed: 02/26/13 Methods: EPA 350.1
Analyst: VK Run ID: GN54336
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:59	GN54336-ICV1	1		
15:00	GN54336-CCV1	1		
15:01	GN54336-CCB1	1		
15:03	GP21056-MB1	1		
15:04	GP21056-B1	1		
15:05	GP21056-S1	1		
15:06	GP21056-S2	1		
15:07	FA2047-1	1		
15:08	ZZZZZZ	1		
15:09	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:12	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:14	GN54336-CCV2	1		
15:15	GN54336-CCB2	1		
16:19	GN54336-CCV3	1		
16:20	GN54336-CCB3	1		
16:22	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:29	ZZZZZZ	2		
16:30	ZZZZZZ	2		
16:31	ZZZZZZ	5		
16:32	GN54336-CCV4	1		
16:33	GN54336-CCB4	1		
16:38	GN54336-CCV5	1		
16:39	GN54336-CCB5	1		
16:40	ZZZZZZ	2		
16:41	GN54336-CCV6	1		
16:43	GN54336-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: B022613AMN1.CSV Date Analyzed: 02/26/13 Methods: EPA 350.1
Run ID: GN54336 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54336-ICV1	Nitrogen, Ammonia	2.6	0.10	0.030	2.5	104.0	90-110
GN54336-CCV1	Nitrogen, Ammonia	2.6	0.10	0.030	2.5	104.0	90-110
GN54336-CCB1	Nitrogen, Ammonia	0.033	0.10	0.030			
GN54336-CCV2	Nitrogen, Ammonia	2.6	0.10	0.030	2.5	104.0	90-110
GN54336-CCB2	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54336-CCV3	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54336-CCB3	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54336-CCV4	Nitrogen, Ammonia	2.3	0.10	0.030	2.5	92.0	90-110
GN54336-CCB4	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54336-CCV5	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54336-CCB5	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54336-CCV6	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54336-CCB6	Nitrogen, Ammonia	0.030 U	0.10	0.030			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
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: 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	ZZZZZZ	100		
12:13	ZZZZZZ	1		
12:29	FA2220-1	1		(sample used for QC only; not part of login FA2047)
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 FA2047)
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: FA2047
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: 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	ZZZZZZ	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 FA2047)
22:33	FA2047-2	1		
22:49	FA2047-3	1		
23:05	FA2047-4	1		
23:37	GN54407-CCV6	1		
23:52	GN54407-CCB6	1		
00:08	FA2047-5	1		
00:24	FA2047-6	1		
00:40	FA2047-7	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: FA2047
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	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	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	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	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	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	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	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	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	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	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	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	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	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	Nitrogen, Nitrate	0.050 U	0.10	0.050			
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	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	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54407-CCB8	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313260201.TXT Date Analyzed: 02/26/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54435
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:07	GN54435-CCV1	1		
14:22	GN54435-CCB1	1		
14:38	GP21097-MB1	1		
14:54	GP21097-B1	1		
15:42	GP21097-MB1	1		
15:58	FA2047-1	1		
17:02	FA2110-1	1		(sample used for QC only; not part of login FA2047)
17:17	GN54435-CCV2	1		
17:33	GN54435-CCB2	1		
17:49	ZZZZZZ	1		
18:05	ZZZZZZ	1		
19:09	GN54435-CCV3	1		
19:25	GN54435-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313260201.TXT Date Analyzed: 02/26/13 Methods: EPA 300/SW846 9056A
Run ID: GN54435 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54435-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54435-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54435-CCV1	Sulfate	49.0	2.0	0.60	50	98.0	90-110
GN54435-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54435-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54435-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54435-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54435-CCV2	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54435-CCV2	Sulfate	48.9	2.0	0.60	50	97.8	90-110
GN54435-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54435-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54435-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54435-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN54435-CCV3	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54435-CCV3	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54435-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54435-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54435-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN1.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2
Analyst: MG Run ID: GN54449
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:41	GN54449-ICV1	1		
08:42	GN54449-CCV1	1		
08:43	GN54449-CCB1	1		
08:44	GP21095-MB1	1		
08:45	GP21095-B1	1		
08:49	FA2047-1	1		
08:52	ZZZZZZ	1		
08:53	ZZZZZZ	1		
08:54	ZZZZZZ	1		
08:55	GN54449-CCV2	1		
08:56	GN54449-CCB2	1		
08:57	ZZZZZZ	1		
08:58	ZZZZZZ	1		
09:00	ZZZZZZ	1		
09:08	GN54449-CCV3	1		
09:09	GN54449-CCB3	1		
09:10	GP21095-S1	2		
09:11	GP21095-S2	2		
09:13	ZZZZZZ	5		
09:14	ZZZZZZ	25		
09:15	ZZZZZZ	2		
09:16	ZZZZZZ	50		
09:17	ZZZZZZ	5		
09:18	ZZZZZZ	2		
09:19	ZZZZZZ	50		
09:20	FA2149-6	2		(sample used for QC only; not part of login FA2047)
09:21	GN54449-CCV4	1		
09:23	GN54449-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN1.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2
Run ID: GN54449 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54449-ICV1	Nitrogen, Total Kjeldahl	2.8	0.50	0.16	2.5	110.0	90-110
GN54449-CCV1	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54449-CCB1	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54449-CCV2	Nitrogen, Total Kjeldahl	2.4	0.50	0.16	2.5	96.0	90-110
GN54449-CCB2	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54449-CCV3	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54449-CCB3	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54449-CCV4	Nitrogen, Total Kjeldahl	2.3	0.50	0.16	2.5	92.0	90-110
GN54449-CCB4	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313040301.TXT Date Analyzed: 03/04/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54451
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:57	GN54451-CCV1	1		
12:13	GN54451-CCB1	1		
12:29	GP21109-MB1	1		
12:45	GP21109-B1	1		
13:32	FA2088-8	1		(sample used for QC only; not part of login FA2047)
13:48	GP21109-S1	1		
14:04	GP21109-S2	1		
14:36	GP21097-S1	1		
14:52	GP21097-S2	1		
15:08	GN54451-CCV2	1		
15:24	GN54451-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313040301.TXT Date Analyzed: 03/04/13 Methods: EPA 300/SW846 9056A
Run ID: GN54451 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54451-CCV1	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54451-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54451-CCV1	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54451-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54451-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54451-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54451-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54451-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54451-CCV2	Sulfate	49.8	2.0	0.60	50	99.6	90-110
GN54451-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54451-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54451-CCB2	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN2.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54472
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:42	GN54472-ICV1	1		
09:44	GN54472-CCV1	1		
09:45	GN54472-CCB1	1		
09:47	GP21096-MB1	1		
09:48	GP21096-B1	1		
09:57	GN54472-CCV2	1		
09:58	GN54472-CCB2	1		
10:00	ZZZZZZ	1		
10:01	ZZZZZZ	1		
10:02	ZZZZZZ	1		
10:03	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:07	ZZZZZZ	1		
10:08	ZZZZZZ	1		
10:10	GN54472-CCV3	1		
10:11	GN54472-CCB3	1		
10:13	FA2047-2	10		
10:14	GP21096-S1	5		
10:15	GP21096-S2	10		
10:17	FA2047-3	10		
10:18	FA2047-4	25		
10:19	FA2047-5	2		
10:20	FA2047-6	2		
10:21	FA2047-7	25		
10:22	ZZZZZZ	2		
10:23	GN54472-CCV4	1		
10:24	GN54472-CCB4	1		
10:25	ZZZZZZ	2		
10:27	ZZZZZZ	2		
10:28	ZZZZZZ	10		
10:29	GN54472-CCV5	1		
10:30	GN54472-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN2.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2 M
Run ID: GN54472 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54472-ICV1	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54472-CCV1	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54472-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV2	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54472-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV3	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54472-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV4	Nitrogen, Total Kjeldahl	2.3	0.25	0.10	2.5	92.0	90-110
GN54472-CCB4	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV5	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54472-CCB5	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54476
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:18	GN54476-CCV1	1		
09:33	GN54476-CCB1	1		
09:49	GP21111-MB1	1		
10:05	GP21111-B1	1		
10:53	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:56	ZZZZZZ	200		
12:12	ZZZZZZ	10		
12:28	GN54476-CCV2	1		
12:44	GN54476-CCB2	1		
13:00	FA2319-1	1		(sample used for QC only; not part of login FA2047)
13:16	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:48	ZZZZZZ	10		
14:04	GP21111-S1	1		
14:19	GP21111-S2	1		
14:35	FA2149-1	2		(sample used for QC only; not part of login FA2047)
14:51	FA2149-3	2		(sample used for QC only; not part of login FA2047)
15:07	ZZZZZZ	2		
15:23	ZZZZZZ	25		
15:39	GN54476-CCV3	1		
15:55	GN54476-CCB3	1		
16:11	GP21098-S1	2		
16:27	GP21098-S2	2		
16:42	GP21098-S3	2		
16:58	GP21098-S4	2		
17:14	GN54476-CCV4	1		
17:30	GN54476-CCB4	1		
17:46	GP21105-MB1	1		
18:02	GP21105-B1	1		
18:18	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54476
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:34	ZZZZZZ	5		
18:50	ZZZZZZ	5		
19:05	ZZZZZZ	5		
19:21	FA2088-5	5		(sample used for QC only; not part of login FA2047)
19:37	ZZZZZZ	5		
19:53	ZZZZZZ	5		
20:25	GN54476-CCV5	1		
20:41	GN54476-CCB5	1		
20:57	ZZZZZZ	5		
21:13	ZZZZZZ	5		
21:28	ZZZZZZ	5		
21:44	GP21105-S1	5		
22:00	GP21105-S2	5		
22:16	ZZZZZZ	10		
22:32	ZZZZZZ	2		
22:48	FA2047-2	10		
23:04	FA2047-3	10		
23:36	GN54476-CCV6	1		
23:51	GN54476-CCB6	1		
00:07	FA2047-4	25		
00:39	FA2047-6	5		
00:55	FA2047-7	25		
01:11	GN54476-CCV7	1		
01:27	GN54476-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Run ID: GN54476 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54476-CCV1	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN54476-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV2	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN54476-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV3	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54476-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV4	Sulfate	50.2	2.0	0.60	50	100.4	90-110
GN54476-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV5	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54476-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV6	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN54476-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV7	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN54476-CCB7	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313060301.TXT Date Analyzed: 03/06/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54519
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:09	GN54519-CCV1	1		
11:24	GN54519-CCB1	1		
11:40	GP21133-MB1	1		
11:56	GP21133-B1	1		
12:44	ZZZZZZ	1		
13:00	FA2365-2	1		(sample used for QC only; not part of login FA2047)
13:15	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:47	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:19	GN54519-CCV2	1		
14:35	GN54519-CCB2	1		
14:51	ZZZZZZ	1		
15:39	GP21133-S1	1		
15:55	GP21133-S2	1		
16:11	GN54519-CCV3	1		
16:27	GN54519-CCB3	1		
16:43	GP21120-MB1	1		
16:59	GP21120-B1	1		
17:15	FA1976-1R	5		(sample used for QC only; not part of login FA2047)
17:31	ZZZZZZ	1		
17:47	ZZZZZZ	1		
18:02	ZZZZZZ	1		
18:18	ZZZZZZ	1		
18:34	ZZZZZZ	1		
18:50	ZZZZZZ	1		
19:22	GN54519-CCV4	1		
19:38	GN54519-CCB4	1		
19:54	ZZZZZZ	1		
20:10	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:41	FA1976-23R	1		(sample used for QC only; not part of login FA2047)
20:57	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313060301.TXT Date Analyzed: 03/06/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54519
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:13	ZZZZZZ	1		
21:29	ZZZZZZ	1		
21:45	ZZZZZZ	1		
22:17	GN54519-CCV5	1		
22:33	GN54519-CCB5	1		
22:48	GP21120-S1	5		
23:04	GP21120-S2	5		
23:20	GP21120-S3	1		
23:36	GP21120-S4	1		
23:52	FA2047-5	10		
00:24	GN54519-CCV6	1		
00:40	GN54519-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313060301.TXT Date Analyzed: 03/06/13 Methods: EPA 300/SW846 9056A
Run ID: GN54519 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54519-CCV1	Sulfate	48.9	2.0	0.60	50	97.8	90-110
GN54519-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54519-CCV2	Sulfate	48.8	2.0	0.60	50	97.6	90-110
GN54519-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54519-CCV3	Sulfate	48.6	2.0	0.60	50	97.2	90-110
GN54519-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54519-CCV4	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN54519-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54519-CCV5	Sulfate	48.9	2.0	0.60	50	97.8	90-110
GN54519-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54519-CCV6	Sulfate	48.4	2.0	0.60	50	96.8	90-110
GN54519-CCB6	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030813AMN1.CSV Date Analyzed: 03/08/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54532
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:32	GN54532-ICV1	1		
13:33	GN54532-CCV1	1		
13:34	GN54532-CCB1	1		
13:35	GP21130-MB1	1		
13:36	GP21130-B1	1		
13:37	GP21130-S1	1		
13:38	GP21130-S2	1		
13:39	FA2134-4	1		(sample used for QC only; not part of login FA2047)
13:40	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:44	FA2047-2	1		
13:45	GN54532-CCV2	1		
13:46	GN54532-CCB2	1		
13:47	FA2047-3	1		
13:52	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:56	ZZZZZZ	1		
13:58	GN54532-CCV3	1		
13:59	GN54532-CCB3	1		
14:01	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:04	FA2047-4	25		
14:05	FA2047-5	25		
14:06	FA2047-6	5		
14:07	FA2047-7	5		
14:08	ZZZZZZ	2		
14:09	ZZZZZZ	25		
14:10	GN54532-CCV4	1		
14:11	GN54532-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2047
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030813AMN1.CSV Date Analyzed: 03/08/13 Methods: EPA 350.1 M
Run ID: GN54532 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54532-ICV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV2	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV3	Nitrogen, Ammonia	2.4	0.10	0.022	2.5	96.0	90-110
GN54532-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV4	Nitrogen, Ammonia	2.4	0.10	0.022	2.5	96.0	90-110
GN54532-CCB4	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA2047
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA2047-2 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-46 (0-1)

Wet Weight (Total)	8.42	g
Tare Weight	1.01	g
Dry Weight (Total)	7.36	g
Solids, Percent	85.7	%

Sample: FA2047-3 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-46 (1-2)

Wet Weight (Total)	8.05	g
Tare Weight	1.03	g
Dry Weight (Total)	6.87	g
Solids, Percent	83.2	%

Sample: FA2047-4 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-46 (4-5)

Wet Weight (Total)	8.97	g
Tare Weight	1.01	g
Dry Weight (Total)	6.84	g
Solids, Percent	73.2	%

Sample: FA2047-5 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-46 (9-10)

Wet Weight (Total)	8.69	g
Tare Weight	1	g
Dry Weight (Total)	7.12	g
Solids, Percent	79.6	%

Sample: FA2047-6 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-46 (14-15)

Wet Weight (Total)	8.4	g
Tare Weight	1.02	g
Dry Weight (Total)	7	g
Solids, Percent	81	%

Sample: FA2047-7 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-220

Wet Weight (Total)	8.69	g
Tare Weight	1.01	g
Dry Weight (Total)	6.91	g
Solids, Percent	76.8	%

Southeast ACCUTEST LABORATORIES

03/12/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA2088

Sampling Dates: 02/23/13 - 02/25/13

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: **178**

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.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **9**
Section 4: Sample Results **13**
4.1: FA2088-1: A-48 (400) 14
4.2: FA2088-2: A-48 (0-1) 16
4.3: FA2088-3: A-48 (1-2) 18
4.4: FA2088-4: A-48 (4-5) 20
4.5: FA2088-5: A-48 (9-10) 22
4.6: FA2088-6: A-48 (12-14) 24
4.7: FA2088-7: EB-WATER-2/25/13 26
4.8: FA2088-8: EB-SOIL-2/25/13 28
Section 5: Misc. Forms **30**
5.1: Chain of Custody 31
Section 6: Metals Analysis - QC Data Summaries **33**
6.1: Inst QC MA10569: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 34
6.2: Inst QC MA10572: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 52
6.3: Inst QC MA10574: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 74
6.4: Inst QC MA10577: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 111
6.5: Prep QC MP24689: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 142
6.6: Prep QC MP24696: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 148
6.7: Prep QC MP24701: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 154
Section 7: General Chemistry - QC Data Summaries **160**
7.1: Method Blank and Spike Results Summary 161
7.2: Duplicate Results Summary 162
7.3: Matrix Spike Results Summary 163
7.4: Matrix Spike Duplicate Results Summary 164
7.5: Inst QC GN54449: Nitrogen, Total Kjeldahl 165
7.6: Inst QC GN54451: Fluoride,Nitrogen, Nitrate,Sulfate 167
7.7: Inst QC GN54462: Nitrogen, Ammonia 169
7.8: Inst QC GN54472: Nitrogen, Total Kjeldahl 171
7.9: Inst QC GN54476: Fluoride,Nitrogen, Nitrate,Sulfate 173
7.10: Inst QC GN54532: Nitrogen, Ammonia 176
7.11: Percent Solids Raw Data Summary 178

Sample Summary

WSP Environment & Energy

Job No: FA2088

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
FA2088-1	02/23/13	11:50	SD	02/26/13	SO	Soil	A-48 (400)
FA2088-2	02/23/13	12:00	SD	02/26/13	SO	Soil	A-48 (0-1)
FA2088-3	02/23/13	12:01	SD	02/26/13	SO	Soil	A-48 (1-2)
FA2088-4	02/23/13	12:02	SD	02/26/13	SO	Soil	A-48 (4-5)
FA2088-5	02/23/13	12:03	SD	02/26/13	SO	Soil	A-48 (9-10)
FA2088-6	02/23/13	12:30	SD	02/26/13	SO	Soil	A-48 (12-14)
FA2088-7	02/25/13	08:30	SD	02/26/13	AQ	Equipment Blank	EB-WATER-2/25/13
FA2088-8	02/25/13	10:30	SD	02/26/13	AQ	Equipment Blank	EB-SOIL-2/25/13

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA2088

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 3/11/2013 9:17:28 AM

8 Sample(s) were collected on/between 02/23/2013 and 02/25/2013 and were received at Accutest SE on 02/26/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA2088. 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:** MP24689

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) FA2092-1FDUP, FA2092-1FMS, FA2092-1FMSD, FA2092-1FPS, FA2092-1FSDL were used as the QC samples for metals.

RPD(s) for Duplicate for Nickel are outside control limits for sample MP24689-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Antimony, Nickel, Sodium, Vanadium are outside control limits for sample MP24689-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO **Batch ID:** MP24696

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) FA2155-1DUP, FA2155-1MS, FA2155-1MSD, FA2155-1PS, FA2155-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Chromium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery(s) for Antimony, Chromium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

RPD(s) for Duplicate for Chromium, Antimony, Beryllium are outside control limits for sample MP24696-D1. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Antimony, Arsenic, Magnesium, Potassium, Calcium, Lead are outside control limits for sample MP24696-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24696-D1 for Beryllium: RPD acceptable due to low duplicate and sample concentrations.

MP24696-D1 for Antimony: RPD acceptable due to low duplicate and sample concentrations.

MP24696-SD1 for Lead: Serial dilution indicates possible matrix interference.

MP24696-SD1 for Calcium: Serial dilution indicates possible matrix interference.

MP24696-PS1 for Manganese: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA2088-4 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA2088-4 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA2088-4 for Potassium: Elevated reporting limit(s) due to matrix interference.

FA2088-4 for Nickel: Elevated reporting limit(s) due to matrix interference.

FA2088-4 for Manganese: Elevated reporting limit(s) due to matrix interference.

FA2088-4 for Magnesium: Elevated reporting limit(s) due to matrix interference.

FA2088-4 for Lead: Elevated reporting limit(s) due to matrix interference.

FA2088-4 for Iron: Elevated reporting limit(s) due to matrix interference.

FA2088-4 for Chromium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24696

FA2088-4 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA2088-4 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA2088-4 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA2088-4 for Barium: Elevated reporting limit(s) due to matrix interference.
FA2088-4 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA2088-4 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA2088-3 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA2088-2 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA2088-1 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA2088-4 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA2088-4 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA2088-4 for Vanadium: Elevated reporting limit(s) due to matrix interference.

Matrix: SO **Batch ID:** MP24701

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) FA2167-1DUP, FA2167-1MS, FA2167-1MSD, FA2167-1PS, FA2167-1SDL were used as the QC samples for metals.
RPD(s) for Serial Dilution for Beryllium, Calcium, Magnesium, Manganese, Potassium are outside control limits for sample MP24701-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
FA2088-6 for Iron: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Lead: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Manganese: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Chromium: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Iron: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Magnesium: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Aluminum: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Nickel: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Barium: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Calcium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Antimony: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Lead: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Vanadium: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Thallium: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Sodium: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Selenium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Potassium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Beryllium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Cadmium: Elevated reporting limit(s) due to matrix interference.
FA2088-6 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA2088-5 for Beryllium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24701

FA2088-5 for Barium: Elevated reporting limit(s) due to matrix interference.

FA2088-5 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA2088-5 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA2088-5 for Manganese: Elevated reporting limit(s) due to matrix interference.

FA2088-5 for Cadmium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21109

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) FA2088-8MS, FA2088-8MSD were used as the QC samples for 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. Refer to lab control or spike blank for recovery information.

FA2088-8 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

Matrix: SO **Batch ID:** GP21105

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) FA2088-5MSD, FA2088-5MS were used as the QC samples for Fluoride, Nitrogen, Nitrate, Sulfate.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Fluoride, Nitrogen, Nitrate, Sulfate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA2088-1 for Fluoride: Dilution required due to matrix interference.

FA2088-1 for Sulfate: Dilution required due to matrix interference.

FA2088-2 for Fluoride: Dilution required due to matrix interference.

FA2088-2 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA2088-2 for Sulfate: Dilution required due to matrix interference.

FA2088-3 for Sulfate: Dilution required due to matrix interference.

FA2088-4 for Sulfate: Dilution required due to matrix interference.

FA2088-5 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA2088-6 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 350.1

Matrix: AQ **Batch ID:** GP21108

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) FA2085-1MS, FA2085-1MSD were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP21130

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) FA2134-4MSD, FA2134-4MS were used as the QC samples for Nitrogen, Ammonia.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Ammonia are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 351.2

Matrix: AQ **Batch ID:** GP21095

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) FA2149-6MS, FA2149-6MSD were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl 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 EPA 351.2 M

Matrix: SO **Batch ID:** GP21096

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) FA2047-2MS, FA2047-2MSD were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl 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 MSD for Nitrogen, Total Kjeldahl are outside control limits for sample GP21096-S2. Probable cause is due to sample non-homogeneity.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21058

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) BS1, BS2 were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21067

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) FA2110-2DUP, FA2110-2MS/MSD 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 recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 365.3M

Matrix: SO **Batch ID:** GP21100

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) FA1973-1DUP, FA1973-1MS/MSD 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.

Matrix: SO **Batch ID:** GP21114

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) FA2088-2DUP, FA2088-2MS/MSD 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:** GN54318

Sample(s) FA2086-3DUP was used as the QC sample for pH.

FA2088-7 for pH: Field analysis required. Received out of hold time and analyzed by request.

Matrix: AQ **Batch ID:** GN54428

Sample(s) FA2088-8DUP was used as the QC sample for pH.

FA2088-8 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN54418

Sample(s) FA2088-1DUP, FA2088-2DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54458

Sample(s) FA2088-1DUP was used as the QC sample for pH.

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 11, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA2088
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/23/13 thru 02/25/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2088-1	**A-48 (400)**					
Aluminum		5750	8.1	0.81	mg/kg	SW846 6010C
Arsenic		0.34 J	0.40	0.065	mg/kg	SW846 6010C
Barium		26.2	8.1	0.20	mg/kg	SW846 6010C
Beryllium		0.20	0.20	0.020	mg/kg	SW846 6010C
Cadmium		3.1	0.16	0.020	mg/kg	SW846 6010C
Calcium		9370	200	2.0	mg/kg	SW846 6010C
Chromium		3.0	0.40	0.073	mg/kg	SW846 6010C
Iron		3330	12	2.8	mg/kg	SW846 6010C
Lead		0.88	0.81	0.044	mg/kg	SW846 6010C
Magnesium		4940	200	3.1	mg/kg	SW846 6010C
Manganese		148	0.61	0.036	mg/kg	SW846 6010C
Nickel		17.5	1.6	0.020	mg/kg	SW846 6010C
Potassium		164 J	400	8.1	mg/kg	SW846 6010C
Sodium		825	400	20	mg/kg	SW846 6010C
Vanadium		23.1	2.0	0.020	mg/kg	SW846 6010C
Nitrogen, Ammonia		2.8	1.3	0.29	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		6.1	5.5	2.7	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		60.2	11	4.5	mg/kg	EPA 351.2 M
Phosphorus, Total		5100	1500	240	mg/kg	EPA 365.3M
Sulfate [a]		39.5 J	110	33	mg/kg	EPA 300/SW846 9056A
pH		6.80			su	SW846 9045D
FA2088-2	**A-48 (0-1)**					
Aluminum		5940	9.2	0.92	mg/kg	SW846 6010C
Arsenic		0.33 J	0.46	0.073	mg/kg	SW846 6010C
Barium		30.0	9.2	0.23	mg/kg	SW846 6010C
Beryllium		0.23	0.23	0.023	mg/kg	SW846 6010C
Cadmium		4.1	0.18	0.023	mg/kg	SW846 6010C
Calcium		9710	230	2.3	mg/kg	SW846 6010C
Chromium		3.3	0.46	0.083	mg/kg	SW846 6010C
Iron		4000	14	3.2	mg/kg	SW846 6010C
Lead		0.88 J	0.92	0.050	mg/kg	SW846 6010C
Magnesium		4860	230	3.5	mg/kg	SW846 6010C
Manganese		160	0.69	0.041	mg/kg	SW846 6010C
Nickel		18.2	1.8	0.023	mg/kg	SW846 6010C
Potassium		198 J	460	9.2	mg/kg	SW846 6010C
Sodium		856	460	23	mg/kg	SW846 6010C
Vanadium		25.3	2.3	0.023	mg/kg	SW846 6010C
Nitrogen, Ammonia		2.9	1.3	0.28	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		63.5	11	4.4	mg/kg	EPA 351.2 M
Phosphorus, Total		3150	2100	320	mg/kg	EPA 365.3M
pH		6.80			su	SW846 9045D

Summary of Hits

Job Number: FA2088
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/23/13 thru 02/25/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2088-3	**A-48 (1-2)**					
Aluminum		8560	10	1.0	mg/kg	SW846 6010C
Arsenic		0.35 J	0.51	0.081	mg/kg	SW846 6010C
Barium		30.8	10	0.25	mg/kg	SW846 6010C
Beryllium		0.29	0.25	0.025	mg/kg	SW846 6010C
Cadmium		1.1	0.20	0.025	mg/kg	SW846 6010C
Calcium		11900	250	2.5	mg/kg	SW846 6010C
Chromium		9.0	0.51	0.091	mg/kg	SW846 6010C
Iron		4690	15	3.6	mg/kg	SW846 6010C
Lead		0.66 J	1.0	0.056	mg/kg	SW846 6010C
Magnesium		5280	250	3.9	mg/kg	SW846 6010C
Manganese		172	0.76	0.046	mg/kg	SW846 6010C
Nickel		13.1	2.0	0.025	mg/kg	SW846 6010C
Potassium		299 J	510	10	mg/kg	SW846 6010C
Sodium		1320	510	25	mg/kg	SW846 6010C
Vanadium		36.6	2.5	0.025	mg/kg	SW846 6010C
Fluoride		60.7	5.6	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Nitrate		8.2	5.6	2.8	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		59.1	11	4.3	mg/kg	EPA 351.2 M
Phosphorus, Total		19600	5600	860	mg/kg	EPA 365.3M
Sulfate [a]		53.9 J	110	33	mg/kg	EPA 300/SW846 9056A
pH		6.31			su	SW846 9045D
FA2088-4	**A-48 (4-5)**					
Aluminum [b]		15800	220	22	mg/kg	SW846 6010C
Antimony [b]		2.6 J	22	2.1	mg/kg	SW846 6010C
Arsenic [b]		6.5 J	11	1.8	mg/kg	SW846 6010C
Barium [b]		164 J	220	5.6	mg/kg	SW846 6010C
Beryllium [b]		0.85 J	5.6	0.56	mg/kg	SW846 6010C
Cadmium [b]		54.8	4.4	0.56	mg/kg	SW846 6010C
Calcium [b]		35000	5600	56	mg/kg	SW846 6010C
Chromium [b]		275	11	2.0	mg/kg	SW846 6010C
Iron [b]		16500	330	78	mg/kg	SW846 6010C
Lead [b]		27.9	22	1.2	mg/kg	SW846 6010C
Magnesium [b]		2690 J	5600	84	mg/kg	SW846 6010C
Manganese [b]		182	17	1.0	mg/kg	SW846 6010C
Nickel [b]		34.2 J	44	0.56	mg/kg	SW846 6010C
Potassium [b]		2950 J	11000	220	mg/kg	SW846 6010C
Sodium [b]		942 J	11000	560	mg/kg	SW846 6010C
Thallium [b]		2.9 J	11	2.0	mg/kg	SW846 6010C
Vanadium [b]		293	56	0.56	mg/kg	SW846 6010C
Fluoride		74.5	6.3	1.6	mg/kg	EPA 300/SW846 9056A

Summary of Hits

Job Number: FA2088
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/23/13 thru 02/25/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nitrogen, Ammonia		34.0	1.5	0.32	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		20.3	6.3	3.2	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		337	13	5.1	mg/kg	EPA 351.2 M
Phosphorus, Total		72900	21000	3200	mg/kg	EPA 365.3M
Sulfate [a]		84.3 J	130	38	mg/kg	EPA 300/SW846 9056A
pH		5.52			su	SW846 9045D
FA2088-5	**A-48 (9-10)**					
Aluminum [b]		15400	60	6.0	mg/kg	SW846 6010C
Arsenic [b]		5.4	3.0	0.48	mg/kg	SW846 6010C
Barium [b]		90.0	60	1.5	mg/kg	SW846 6010C
Beryllium [b]		1.7	1.5	0.15	mg/kg	SW846 6010C
Cadmium [b]		51.9	1.2	0.15	mg/kg	SW846 6010C
Calcium [b]		56100	1500	15	mg/kg	SW846 6010C
Chromium [b]		110	3.0	0.54	mg/kg	SW846 6010C
Iron [b]		11400	90	21	mg/kg	SW846 6010C
Lead [b]		7.9	6.0	0.33	mg/kg	SW846 6010C
Magnesium [b]		3160	1500	23	mg/kg	SW846 6010C
Manganese [b]		242	4.5	0.27	mg/kg	SW846 6010C
Nickel [b]		66.2	12	0.15	mg/kg	SW846 6010C
Potassium [b]		2040 J	3000	60	mg/kg	SW846 6010C
Sodium [b]		460 J	3000	150	mg/kg	SW846 6010C
Vanadium [b]		277	15	0.15	mg/kg	SW846 6010C
Fluoride		18.1	6.2	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		157	2.9	0.64	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		660	25	10	mg/kg	EPA 351.2 M
Phosphorus, Total		60000	28000	4300	mg/kg	EPA 365.3M
Sulfate		958	120	37	mg/kg	EPA 300/SW846 9056A
pH		4.82			su	SW846 9045D
FA2088-6	**A-48 (12-14)**					
Aluminum [b]		16000	120	12	mg/kg	SW846 6010C
Antimony [b]		1.1 J	12	1.1	mg/kg	SW846 6010C
Arsenic [b]		5.5 J	5.8	0.93	mg/kg	SW846 6010C
Barium [b]		132	120	2.9	mg/kg	SW846 6010C
Beryllium [b]		0.99 J	2.9	0.29	mg/kg	SW846 6010C
Cadmium [b]		62.9	2.3	0.29	mg/kg	SW846 6010C
Calcium [b]		2040 J	2900	29	mg/kg	SW846 6010C
Chromium [b]		172	5.8	1.0	mg/kg	SW846 6010C
Iron [b]		12100	170	41	mg/kg	SW846 6010C
Lead [b]		13.0	12	0.64	mg/kg	SW846 6010C
Magnesium [b]		564 J	2900	44	mg/kg	SW846 6010C
Manganese [b]		31.7	8.7	0.52	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA2088
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/23/13 thru 02/25/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nickel [b]		5.8 J	23	0.29	mg/kg	SW846 6010C
Potassium [b]		5440 J	5800	120	mg/kg	SW846 6010C
Sodium [b]		369 J	5800	290	mg/kg	SW846 6010C
Vanadium [b]		263	29	0.29	mg/kg	SW846 6010C
Fluoride		15.5	6.3	1.6	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		715	37	8.1	mg/kg	EPA 350.1 M
Nitrogen, Total Kjeldahl		455	25	10	mg/kg	EPA 351.2 M
Phosphorus, Total		53300	21000	3200	mg/kg	EPA 365.3M
Sulfate		219	130	38	mg/kg	EPA 300/SW846 9056A
pH		3.65			su	SW846 9045D
FA2088-7	**EB-WATER-2/25/13**					
Calcium		193 J	1000	50	ug/l	SW846 6010C
Phosphorus, Total		0.059 J	0.10	0.028	mg/l	EPA 365.3
pH [c]		7.33			su	SM 4500H B/SW 9040C
FA2088-8	**EB-SOIL-2/25/13**					
Aluminum		53.0 J	200	15	ug/l	SW846 6010C
Calcium		96.9 J	1000	50	ug/l	SW846 6010C
Iron		53.6 J	300	29	ug/l	SW846 6010C
Manganese		0.90 J	15	0.70	ug/l	SW846 6010C
Fluoride		0.13 J	0.20	0.060	mg/l	EPA 300/SW846 9056A
Nitrogen, Ammonia		1.4	0.10	0.030	mg/l	EPA 350.1
Nitrogen, Total Kjeldahl		0.42 J	0.53	0.17	mg/l	EPA 351.2
Sulfate		0.86 J	2.0	0.60	mg/l	EPA 300/SW846 9056A
pH [c]		6.55			su	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Elevated reporting limit(s) due to matrix interference.
(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-48 (400)
Lab Sample ID: FA2088-1
Matrix: SO - Soil
Date Sampled: 02/23/13
Date Received: 02/26/13
Percent Solids: 91.0
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5750	8.1	0.81	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony	0.077 U	0.81	0.077	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic	0.34 J	0.40	0.065	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium	26.2	8.1	0.20	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium	0.20	0.20	0.020	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium	3.1	0.16	0.020	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium	9370	200	2.0	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium	3.0	0.40	0.073	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron	3330	12	2.8	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead	0.88	0.81	0.044	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium	4940	200	3.1	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese	148	0.61	0.036	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel	17.5	1.6	0.020	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium	164 J	400	8.1	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium	0.12 U	0.81	0.12	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium	825	400	20	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.73 U	1.6	0.73	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium	23.1	2.0	0.020	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10572
(2) Prep QC Batch: MP24696

(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-48 (400)		
Lab Sample ID:	FA2088-1	**Date Sampled:**	02/23/13
Matrix:	SO - Soil	**Date Received:**	02/26/13
		Percent Solids:	91.0
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride [a]	1.4 U	5.5	1.4	mg/kg	5	03/05/13 18:18	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	2.8	1.3	0.29	mg/kg	1	03/08/13 13:52	VK	EPA 350.1 M
Nitrogen, Nitrate	6.1	5.5	2.7	mg/kg	5	03/05/13 18:18	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	60.2	11	4.5	mg/kg	1	03/05/13 10:00	MG	EPA 351.2 M
Phosphorus, Total	5100	1500	240	mg/kg	50	03/04/13 13:15	LE	EPA 365.3M
Solids, Percent	91			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate [a]	39.5 J	110	33	mg/kg	5	03/05/13 18:18	AA	EPA 300/SW846 9056A
pH	6.80			su	1	03/05/13 12:30	AC	SW846 9045D

(a) Dilution required 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-48 (0-1)
Lab Sample ID: FA2088-2
Matrix: SO - Soil
Date Sampled: 02/23/13
Date Received: 02/26/13
Percent Solids: 91.6
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5940	9.2	0.92	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony	0.087 U	0.92	0.087	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic	0.33 J	0.46	0.073	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium	30.0	9.2	0.23	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium	0.23	0.23	0.023	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium	4.1	0.18	0.023	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium	9710	230	2.3	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium	3.3	0.46	0.083	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron	4000	14	3.2	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead	0.88 J	0.92	0.050	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium	4860	230	3.5	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese	160	0.69	0.041	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel	18.2	1.8	0.023	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium	198 J	460	9.2	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium	0.14 U	0.92	0.14	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium	856	460	23	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.83 U	1.8	0.83	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium	25.3	2.3	0.023	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10572
(2) Prep QC Batch: MP24696

(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-48 (0-1)		
Lab Sample ID:	FA2088-2	**Date Sampled:**	02/23/13
Matrix:	SO - Soil	**Date Received:**	02/26/13
		Percent Solids:	91.6
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride [a]	1.4 U	5.5	1.4	mg/kg	5	03/05/13 18:34	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	2.9	1.3	0.28	mg/kg	1	03/08/13 13:54	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	2.7 U	5.5	2.7	mg/kg	5	03/05/13 18:34	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	63.5	11	4.4	mg/kg	1	03/05/13 10:01	MG	EPA 351.2 M
Phosphorus, Total	3150	2100	320	mg/kg	50	03/06/13 10:55	LE	EPA 365.3M
Solids, Percent	91.6			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate [a]	33 U	110	33	mg/kg	5	03/05/13 18:34	AA	EPA 300/SW846 9056A
pH	6.80			su	1	03/05/13 12:30	AC	SW846 9045D

(a) Dilution required 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-48 (1-2)
Lab Sample ID: FA2088-3
Matrix: SO - Soil
Date Sampled: 02/23/13
Date Received: 02/26/13
Percent Solids: 89.5
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8560	10	1.0	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony	0.096 U	1.0	0.096	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic	0.35 J	0.51	0.081	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium	30.8	10	0.25	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium	0.29	0.25	0.025	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium	1.1	0.20	0.025	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium	11900	250	2.5	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium	9.0	0.51	0.091	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron	4690	15	3.6	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead	0.66 J	1.0	0.056	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium	5280	250	3.9	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese	172	0.76	0.046	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel	13.1	2.0	0.025	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium	299 J	510	10	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium	0.15 U	1.0	0.15	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium	1320	510	25	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.91 U	2.0	0.91	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium	36.6	2.5	0.025	mg/kg	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10572
(2) Prep QC Batch: MP24696

(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-48 (1-2)		
Lab Sample ID:	FA2088-3	**Date Sampled:**	02/23/13
Matrix:	SO - Soil	**Date Received:**	02/26/13
		Percent Solids:	89.5
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	60.7	5.6	1.4	mg/kg	5	03/05/13 18:50	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	0.29 U	1.3	0.29	mg/kg	1	03/08/13 13:55	VK	EPA 350.1 M
Nitrogen, Nitrate	8.2	5.6	2.8	mg/kg	5	03/05/13 18:50	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	59.1	11	4.3	mg/kg	1	03/05/13 10:02	MG	EPA 351.2 M
Phosphorus, Total	19600	5600	860	mg/kg	100	03/06/13 10:55	LE	EPA 365.3M
Solids, Percent	89.5			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate [a]	53.9 J	110	33	mg/kg	5	03/05/13 18:50	AA	EPA 300/SW846 9056A
pH	6.31			su	1	03/05/13 12:30	AC	SW846 9045D

(a) Dilution required 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-48 (4-5)
Lab Sample ID: FA2088-4
Matrix: SO - Soil
Date Sampled: 02/23/13
Date Received: 02/26/13
Percent Solids: 79.3
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	15800	220	22	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	2.6 J	22	2.1	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	6.5 J	11	1.8	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	164 J	220	5.6	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.85 J	5.6	0.56	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	54.8	4.4	0.56	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	35000	5600	56	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	275	11	2.0	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	16500	330	78	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	27.9	22	1.2	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	2690 J	5600	84	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	182	17	1.0	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	34.2 J	44	0.56	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	2950 J	11000	220	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	3.3 U	22	3.3	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	942 J	11000	560	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	2.9 J	11	2.0	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	293	56	0.56	mg/kg	25	02/28/13	03/04/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10574
(2) Prep QC Batch: MP24696

(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-48 (4-5)		
Lab Sample ID:	FA2088-4	**Date Sampled:**	02/23/13
Matrix:	SO - Soil	**Date Received:**	02/26/13
		Percent Solids:	79.3
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	74.5	6.3	1.6	mg/kg	5	03/05/13 19:05	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	34.0	1.5	0.32	mg/kg	1	03/08/13 13:56	VK	EPA 350.1 M
Nitrogen, Nitrate	20.3	6.3	3.2	mg/kg	5	03/05/13 19:05	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	337	13	5.1	mg/kg	1	03/05/13 10:03	MG	EPA 351.2 M
Phosphorus, Total	72900	21000	3200	mg/kg	500	03/06/13 10:55	LE	EPA 365.3M
Solids, Percent	79.3			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate [a]	84.3 J	130	38	mg/kg	5	03/05/13 19:05	AA	EPA 300/SW846 9056A
pH	5.52			su	1	03/05/13 12:30	AC	SW846 9045D

(a) Dilution required 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-48 (9-10)
Lab Sample ID: FA2088-5
Matrix: SO - Soil
Date Sampled: 02/23/13
Date Received: 02/26/13
Percent Solids: 81.4
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	15400	60	6.0	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	0.57 U	6.0	0.57	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	5.4	3.0	0.48	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	90.0	60	1.5	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	1.7	1.5	0.15	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	51.9	1.2	0.15	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	56100	1500	15	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	110	3.0	0.54	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	11400	90	21	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	7.9	6.0	0.33	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	3160	1500	23	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	242	4.5	0.27	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	66.2	12	0.15	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	2040 J	3000	60	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	0.90 U	6.0	0.90	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	460 J	3000	150	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	5.4 U	12	5.4	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	277	15	0.15	mg/kg	5	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10577
(2) Prep QC Batch: MP24701

(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-48 (9-10)		
Lab Sample ID:	FA2088-5	**Date Sampled:**	02/23/13
Matrix:	SO - Soil	**Date Received:**	02/26/13
		Percent Solids:	81.4
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	18.1	6.2	1.5	mg/kg	5	03/05/13 19:21	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	157	2.9	0.64	mg/kg	2	03/08/13 14:08	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.1 U	6.2	3.1	mg/kg	5	03/05/13 19:21	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	660	25	10	mg/kg	2	03/05/13 10:22	MG	EPA 351.2 M
Phosphorus, Total	60000	28000	4300	mg/kg	500	03/06/13 10:55	LE	EPA 365.3M
Solids, Percent	81.4			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	958	120	37	mg/kg	5	03/05/13 19:21	AA	EPA 300/SW846 9056A
pH	4.82			su	1	03/05/13 12:30	AC	SW846 9045D

(a) Dilution required 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-48 (12-14)
Lab Sample ID: FA2088-6
Matrix: SO - Soil
Date Sampled: 02/23/13
Date Received: 02/26/13
Percent Solids: 79.4
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	16000	120	12	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony [a]	1.1 J	12	1.1	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic [a]	5.5 J	5.8	0.93	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium [a]	132	120	2.9	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.99 J	2.9	0.29	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium [a]	62.9	2.3	0.29	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium [a]	2040 J	2900	29	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium [a]	172	5.8	1.0	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron [a]	12100	170	41	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	13.0	12	0.64	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium [a]	564 J	2900	44	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	31.7	8.7	0.52	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	5.8 J	23	0.29	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium [a]	5440 J	5800	120	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium [a]	1.7 U	12	1.7	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium [a]	369 J	5800	290	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	1.0 U	5.8	1.0	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium [a]	263	29	0.29	mg/kg	10	03/01/13	03/05/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10577
(2) Prep QC Batch: MP24701

(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-48 (12-14)		
Lab Sample ID:	FA2088-6	**Date Sampled:**	02/23/13
Matrix:	SO - Soil	**Date Received:**	02/26/13
		Percent Solids:	79.4
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	15.5	6.3	1.6	mg/kg	5	03/05/13 19:37	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	715	37	8.1	mg/kg	25	03/08/13 14:09	VK	EPA 350.1 M
Nitrogen, Nitrate [a]	3.1 U	6.3	3.1	mg/kg	5	03/05/13 19:37	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	455	25	10	mg/kg	2	03/05/13 10:25	MG	EPA 351.2 M
Phosphorus, Total	53300	21000	3200	mg/kg	500	03/06/13 10:55	LE	EPA 365.3M
Solids, Percent	79.4			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	219	130	38	mg/kg	5	03/05/13 19:37	AA	EPA 300/SW846 9056A
pH	3.65			su	1	03/05/13 12:30	AC	SW846 9045D

(a) Dilution required 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:	EB-WATER-2/25/13		
Lab Sample ID:	FA2088-7	**Date Sampled:**	02/25/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/26/13
		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	15 U	200	15	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	193 J	1000	50	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	29 U	300	29	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10569
(2) Prep QC Batch: MP24689

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:	EB-WATER-2/25/13		
Lab Sample ID:	FA2088-7	**Date Sampled:**	02/25/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/26/13
		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	0.020 U	0.10	0.020	mg/l	1	02/26/13 11:35	LE	EPA 365.3
Phosphorus, Total	0.059 J	0.10	0.028	mg/l	1	02/27/13 15:50	LE	EPA 365.3
pH [a]	7.33			su	1	02/26/13 12:00	JA	SM 4500H B/SW 9040C

(a) 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:	EB-SOIL-2/25/13		
Lab Sample ID:	FA2088-8	**Date Sampled:**	02/25/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/26/13
		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	53.0 J	200	15	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Barium	1.0 U	200	1.0	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	96.9 J	1000	50	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	53.6 J	300	29	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	1.1 U	5.0	1.1	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	0.90 J	15	0.70	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.50 U	40	0.50	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	1.3 U	10	1.3	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.0 U	50	1.0	ug/l	1	02/27/13	02/27/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10569
(2) Prep QC Batch: MP24689

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:	EB-SOIL-2/25/13		
Lab Sample ID:	FA2088-8	**Date Sampled:**	02/25/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/26/13
		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
Fluoride	0.13 J	0.20	0.060	mg/l	1	03/04/13 13:32	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	1.4	0.10	0.030	mg/l	1	03/05/13 12:32	VK	EPA 350.1
Nitrogen, Nitrate [a]	0.050 U	0.10	0.050	mg/l	1	03/04/13 13:32	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	0.42 J	0.53	0.17	mg/l	1	03/05/13 08:52	MG	EPA 351.2
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/27/13 15:50	LE	EPA 365.3
Sulfate	0.86 J	2.0	0.60	mg/l	1	03/04/13 13:32	AA	EPA 300/SW846 9056A
pH [b]	6.55			su	1	03/04/13 11:35	HH	SM 4500H B/SW 9040C

(a) Sample analyzed beyond hold time.
(b) 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

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

FA2088

Accutest JOB# 36785.01 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: WSP
Address: 11190 SUNRISE VALLEY DR
City: RESTON State: VA Zip: 20191
Project Contact: TIM.HUFF@WSPGROUP.COM Email:
Phone#:
Sampler(s) Name(s) (Printed):

Project Information

Project Name: AGRIUM
Street: CONDA RD
City: SODA SPRINGS State: ID
Project #: 36785.01
Fax #:
Client Purchase Order #:

Analytical Information

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	METALS (a)	pH	TOTAL PHOSPHORUS	GENERAL CHEM (b)	METALS (c)	ORTHOPHOSPHATE	GENERAL CHEM (d)					
1	A-48 (400)	2/23	1150	SD	S	1										X	X	X	X								
2	A-48 (0-1)	2/23	1200	SD	S	1										X	X	X	X								
3	A-48 (1-2)	2/23	1201	SD	S	1										X	X	X	X								
4	A-48 (4-5)	2/23	1202	SD	S	1										X	X	X	X								
5	A-48 (9-10)	2/23	1203	SD	S	1										X	X	X	X								
6	A-48 (12-14)	2/23	1230	SD	S	1										X	X	X	X								
~~6~~	~~A-48 34~~	~~2/24~~		~~SD~~	~~AQ~~	~~3~~											~~X~~	~~X~~		~~X~~	~~X~~						~~SD~~
7	EB-WATER-2/25/13	2/25	0830	SD	AQ	4											X	X		X	X						
8	EB-SOIL-2/25/13	2/25	1050	SD	AQ	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

- ☐ 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

(a) Al, Sb, Ba, Cd, Be, Ca, Cr, Fe, Pb, Mg, Mn, Ni, K, Na, Se, Tl, V
(b) TNK, NH_3, F^-, NO_3^-, SO_4^{2-}
(c) Al, Sb, Arsenic, Cd, Ca, Fe, Mg, K, Na, Se
(d) CHLORIDE, F^-, NITRATE, SULFATE, BICARBONATE, CARBONATE, ALKALINITY, TDS, SP

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	2/25 1230	2	3 RC 02-26-13	0930	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: 2.8

5.1 5

FA2088: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2088 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 02-26-13 930 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8013 5708 4101

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 02-26-13 REVIEWER SIGNATURE/DATE 02/26/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA2088: Chain of Custody
Page 2 of 2

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10569
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:44	MA10569-STD1	1		STDA
07:48	MA10569-STD2	1		STDB
07:52	MA10569-STD3	1		STDC
08:02	MA10569-STD4	1		STDD
08:07	MA10569-HSTD1	1		
08:17	MA10569-ICV1	1		
08:25	MA10569-ICB1	1		
08:29	MA10569-CRIA1	1		
08:39	MA10569-ICSA1	1		
08:49	MA10569-ICSAB1	1		
08:56	MA10569-CCV1	1		
09:05	MA10569-CCB1	1		
09:19	MP24686-MB1	1		
09:24	MP24686-B1	1		
09:28	FA2094-1	1		(sample used for QC only; not part of login FA2088)
09:32	MP24686-D1	1		
09:37	MP24686-SD1	5		
09:41	MP24686-PS1	1		
09:46	MP24686-S1	1		
09:50	MP24686-S2	1		
09:55	MA10569-CCV2	1		
09:59	MA10569-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		
10:35	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:45	ZZZZZZ	1		
10:49	MA10569-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10569
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:53	MA10569-CCB3	1		
10:58	ZZZZZZ	1		
11:02	ZZZZZZ	1		
11:07	ZZZZZZ	1		
11:11	ZZZZZZ	1		
11:16	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:25	MP24688-MB1	1		
11:29	MP24688-B1	1		
11:34	FA2061-1	5		(sample used for QC only; not part of login FA2088)
11:39	MP24688-D1	5		
11:43	MA10569-CCV4	1		
11:48	MA10569-CCB4	1		
12:16	MA10569-CCV5	1		
12:23	MA10569-CCB5	1		
12:26	MP24688-SD1	25		
12:31	MP24688-PS1	5		
12:36	MP24688-S1	5		
12:40	MP24688-S2	5		
12:45	ZZZZZZ	5		
12:50	ZZZZZZ	5		
12:55	ZZZZZZ	5		
13:00	ZZZZZZ	5		
13:04	ZZZZZZ	5		
13:09	ZZZZZZ	5		
13:14	MA10569-CCV6	1		
13:18	MA10569-CCB6	1		
13:23	ZZZZZZ	5		
13:28	ZZZZZZ	5		
13:32	ZZZZZZ	5		
13:37	ZZZZZZ	5		
13:42	ZZZZZZ	5		
13:47	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10569
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:52	ZZZZZZ	5		
13:56	ZZZZZZ	5		
14:01	ZZZZZZ	5		
14:06	ZZZZZZ	5		
14:11	MA10569-CCV7	1		
14:15	MA10569-CCB7	1		
14:20	ZZZZZZ	5		
14:25	ZZZZZZ	5		
14:29	ZZZZZZ	5		
14:34	ZZZZZZ	2		
14:39	ZZZZZZ	5		
14:43	ZZZZZZ	4		
14:48	ZZZZZZ	20		
14:53	ZZZZZZ	20		
14:57	ZZZZZZ	20		
15:02	ZZZZZZ	20		
15:07	MA10569-CCV8	1		
15:11	MA10569-CCB8	1		
15:16	ZZZZZZ	20		
15:21	ZZZZZZ	20		
15:25	FA1918-2	1		(sample used for QC only; not part of login FA2088)
15:30	MP24689-MB1	1		
15:34	MP24689-B1	1		
15:39	FA2092-1F	1		(sample used for QC only; not part of login FA2088)
15:43	MP24689-D1	1		
15:48	MP24689-SD1	5		
15:52	MP24689-PS1	1		
15:57	MP24689-S1	1		
16:01	MA10569-CCV9	1		
16:05	MA10569-CCB9	1		
16:10	MP24689-S2	1		
16:14	ZZZZZZ	1		
16:19	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10569
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:23	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:46	FA2088-7	1		
16:50	FA2088-8	1		
16:55	MA10569-CCV10	1		
16:59	MA10569-CCB10	1		
17:08	ZZZZZZ	1		
17:13	ZZZZZZ	1		
17:17	MP24689-MB2A	1		
---------->	Last reportable sample/prep for job FA2088			
17:22	ZZZZZZ	1		
17:26	MA10569-CRIA2	1		
17:31	MA10569-ICSA2	1		
17:36	MA10569-ICSAB2	1		
17:40	MA10569-CCV11	1		
17:44	MA10569-CCB11	1		
---------->	Last reportable CCB for job FA2088			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10569
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:44	MA10569-STD1	1864	16914	9536	1140
07:48	MA10569-STD2	1855	16897	9488	1069
07:52	MA10569-STD3	1794	16475	9220	967
08:02	MA10569-STD4	1719	16233	9142	886
08:07	MA10569-HSTD1	1720	16045	9044	886
08:17	MA10569-ICV1	1779	16338	9185	955
08:25	MA10569-ICB1	1866 R	16608 R	9275 R	1128 R
08:29	MA10569-CRIA1	1834	16482	9213	1086
08:39	MA10569-ICSA1	1636	14874	8611	831
08:49	MA10569-ICSAB1	1639	14924	8648	816
08:56	MA10569-CCV1	1796	16184	9189	950
09:05	MA10569-CCB1	1863	16551	9291	1121
09:19	MP24686-MB1	1823	16456	9251	1118
09:24	MP24686-B1	1767	16207	9101	1000
09:28	FA2094-1	1838	16847	9646	963
09:32	MP24686-D1	1841	16788	9603	965
09:37	MP24686-SD1	1802	16325	9090	1057
09:41	MP24686-PS1	1823	16876	9535	951
09:46	MP24686-S1	1818	16928	9616	925
09:50	MP24686-S2	1821	16706	9420	921
09:55	MA10569-CCV2	1739	16030	8905	945
09:59	MA10569-CCB2	1818	16456	9176	1113
10:04	ZZZZZZ	1708	15867	8945	1015
10:08	ZZZZZZ	1772	16408	9095	1084
10:13	ZZZZZZ	1773	16413	9196	1075
10:17	ZZZZZZ	1708	15958	9058	1011
10:22	ZZZZZZ	1663	15583	8836	962
10:26	ZZZZZZ	1695	15935	8892	1006
10:31	ZZZZZZ	1693	15917	8917	999
10:35	ZZZZZZ	1660	15617	8997	936
10:40	ZZZZZZ	1805	16554	9286	1094
10:45	ZZZZZZ	1793	16493	9151	1096
10:49	MA10569-CCV3	1729	16029	8954	943

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10569
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:53	MA10569-CCB3	1812	16379	9173	1104
10:58	ZZZZZZ	1797	16472	9201	1092
11:02	ZZZZZZ	1803	16493	9197	1093
11:07	ZZZZZZ	1794	16598	9251	1092
11:11	ZZZZZZ	1803	16591	9317	1087
11:16	ZZZZZZ	1783	16417	9071	1080
11:20	ZZZZZZ	1776	16440	9156	1070
11:25	MP24688-MB1	1805	16669	9288	1111
11:29	MP24688-B1	1769	16275	9089	1003
11:34	FA2061-1	1490	14031	8208	771
11:39	MP24688-D1	1499	14273	8329	782
11:43	MA10569-CCV4	1717	15971	8933	934
11:48	MA10569-CCB4	1779	16184	8968	1099
12:16	MA10569-CCV5	1709	15757	8812	930
12:23	MA10569-CCB5	1779	16173	9077	1092
12:26	MP24688-SD1	1619	15219	8689	909
12:31	MP24688-PS1	1474	13949	8294	760
12:36	MP24688-S1	1480	13987	8153	765
12:40	MP24688-S2	1476	14099	8321	762
12:45	ZZZZZZ	1467	13999	8323	761
12:50	ZZZZZZ	1584	14909	8701	813
12:55	ZZZZZZ	1519	14383	8365	797
13:00	ZZZZZZ	1482	14163	8355	782
13:04	ZZZZZZ	1573	14874	8714	802
13:09	ZZZZZZ	1558	14842	8606	826
13:14	MA10569-CCV6	1675	15786	8830	927
13:18	MA10569-CCB6	1754	16353	9161	1088
13:23	ZZZZZZ	1508	14495	8413	791
13:28	ZZZZZZ	1472	14246	8311	791
13:32	ZZZZZZ	1480	14410	8480	794
13:37	ZZZZZZ	1464	14201	8291	778
13:42	ZZZZZZ	1469	14404	8336	791
13:47	ZZZZZZ	1567	15355	8843	822

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10569
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:52	ZZZZZZ	1481	14575	8545	792
13:56	ZZZZZZ	1455	14242	8344	780
14:01	ZZZZZZ	1461	14330	8342	790
14:06	ZZZZZZ	1452	14382	8496	778
14:11	MA10569-CCV7	1655	15982	8900	927
14:15	MA10569-CCB7	1711	16245	9010	1091
14:20	ZZZZZZ	1537	15165	8756	793
14:25	ZZZZZZ	1511	14985	8815	750
14:29	ZZZZZZ	1476	14553	8475	786
14:34	ZZZZZZ	1700	16836	9418	1002
14:39	ZZZZZZ	1672	16332	9436	986
14:43	ZZZZZZ	1694	16405	9266	1017
14:48	ZZZZZZ	1571	15291	8686	914
14:53	ZZZZZZ	1571	15271	8767	910
14:57	ZZZZZZ	1603	15555	8919	909
15:02	ZZZZZZ	1617	15615	8834	943
15:07	MA10569-CCV8	1642	15873	8833	919
15:11	MA10569-CCB8	1715	16409	9186	1081
15:16	ZZZZZZ	1572	15269	8705	908
15:21	ZZZZZZ	1602	15542	8677	917
15:25	FA1918-2	1652	16464	9190	1041
15:30	MP24689-MB1	1710	16580	9322	1084
15:34	MP24689-B1	1674	16124	9073	978
15:39	FA2092-1F	1695	16370	9024	1071
15:43	MP24689-D1	1709	16560	9242	1074
15:48	MP24689-SD1	1715	16419	9190	1083
15:52	MP24689-PS1	1689	16289	9105	1031
15:57	MP24689-S1	1664	16229	9000	973
16:01	MA10569-CCV9	1640	15933	8909	917
16:05	MA10569-CCB9	1714	16335	9092	1085
16:10	MP24689-S2	1659	16184	8971	974
16:14	ZZZZZZ	1707	16564	9207	1073
16:19	ZZZZZZ	1702	16404	9184	1064

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10569
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:23	ZZZZZZ	1700	16475	9100	1068
16:28	ZZZZZZ	1698	16531	9109	1065
16:32	ZZZZZZ	1703	16553	9230	1062
16:37	ZZZZZZ	1688	16409	9103	1052
16:41	ZZZZZZ	1679	16308	8998	1053
16:46	FA2088-7	1702	16591	9167	1086
16:50	FA2088-8	1708	16461	9188	1087
16:55	MA10569-CCV10	1626	15718	8655	921
16:59	MA10569-CCB10	1713	16380	9029	1088
17:08	ZZZZZZ	1298	11874	6702	777
17:13	ZZZZZZ	1740	16901	9162	1077
17:17	MP24689-MB2A	1723	16784	9285	1098
17:22	ZZZZZZ	1714	16425	9061	1062
17:26	MA10569-CRIA2	1665	16137	8786	1044
17:31	MA10569-ICSA2	1504	14610	8205	803
17:36	MA10569-ICSAB2	1538	14922	8442	806
17:40	MA10569-CCV11	1629	16133	8600	926
17:44	MA10569-CCB11	1703	16185	8760	1090

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10569 Units: ug/l

Time:			08:25		09:05		09:59		10:53	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.60	<200	10.9	<200	11.8	<200	10.8	<200
Antimony	6.0	1.3	0.20	<6.0	-1.2	<6.0	-0.60	<6.0	0.20	<6.0
Arsenic	10	1.6	0.70	<10	0.50	<10	0.20	<10	-1.2	<10
Barium	200	1	-0.10	<200	0.30	<200	0.40	<200	0.40	<200
Beryllium	4.0	.5	0.0	<4.0	0.30	<4.0	0.40	<4.0	0.50	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	0.60	<1000	14.5	<1000	12.3	<1000	12.1	<1000
Chromium	10	1.8	-0.10	<10	-0.10	<10	0.10	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-3.3	<300	4.0	<300	12.8	<300	9.7	<300
Lead	5.0	1.1	-0.40	<5.0	-0.40	<5.0	-0.10	<5.0	0.30	<5.0
Magnesium	5000	74	-7.6	<5000	11.3	<5000	6.4	<5000	12.3	<5000
Manganese	15	.7	0.0	<15	0.30	<15	0.30	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.20	<40	0.20	<40	0.10	<40	0.0	<40
Potassium	10000	200	19.1	<10000	34.4	<10000	46.4	<10000	28.7	<10000
Selenium	10	2	-0.70	<10	1.2	<10	0.90	<10	0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	1.7	<10000	17.0	<10000	25.5	<10000	19.5	<10000
Strontium	10	.5								
Thallium	10	1.3	1.4	<10	-0.50	<10	0.30	<10	0.10	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.50	<50	0.50	<50	0.40	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10569 Units: ug/l

Time:			11:48		12:23		13:18		14:15	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	10.2	<200	-2.5	<200	-5.5	<200	-3.5	<200
Antimony	6.0	1.3	0.30	<6.0	0.20	<6.0	1.4	<6.0	1.0	<6.0
Arsenic	10	1.6	0.20	<10	0.50	<10	1.3	<10	-0.20	<10
Barium	200	1	0.30	<200	0.20	<200	0.10	<200	0.10	<200
Beryllium	4.0	.5	0.30	<4.0	0.10	<4.0	0.10	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	21.8	<1000	1.6	<1000	9.9	<1000	10.0	<1000
Chromium	10	1.8	0.20	<10	-0.30	<10	-0.40	<10	-0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	7.3	<300	7.6	<300	10.1	<300	7.1	<300
Lead	5.0	1.1	-0.40	<5.0	-0.60	<5.0	0.20	<5.0	-0.50	<5.0
Magnesium	5000	74	8.8	<5000	12.8	<5000	14.2	<5000	11.6	<5000
Manganese	15	.7	0.20	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.10	<40	-0.10	<40	-0.20	<40	-0.30	<40
Potassium	10000	200	33.1	<10000	4.9	<10000	-1.1	<10000	5.0	<10000
Selenium	10	2	-0.40	<10	0.10	<10	-0.70	<10	-0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	20.0	<10000	12.0	<10000	8.7	<10000	0.80	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.30	<10	0.60	<10	0.20	<10	-1.0	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.60	<50	0.0	<50	0.0	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10569 Units: ug/l

Time:			15:11		16:05		16:59		17:44	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.8	<200	6.9	<200	-1.7	<200	7.9	<200
Antimony	6.0	1.3	0.90	<6.0	1.4	<6.0	2.5	<6.0	2.7	<6.0
Arsenic	10	1.6	0.0	<10	-0.20	<10	0.0	<10	0.90	<10
Barium	200	1	0.40	<200	0.70	<200	0.30	<200	0.40	<200
Beryllium	4.0	.5	0.30	<4.0	0.50	<4.0	0.40	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	5.6	<1000	6.6	<1000	3.2	<1000	9.3	<1000
Chromium	10	1.8	0.20	<10	0.20	<10	-0.20	<10	-0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	13.7	<300	16.7	<300	14.7	<300	24.9	<300
Lead	5.0	1.1	0.30	<5.0	0.40	<5.0	0.80	<5.0	-0.10	<5.0
Magnesium	5000	74	15.6	<5000	19.2	<5000	14.6	<5000	24.8	<5000
Manganese	15	.7	0.30	<15	0.40	<15	0.30	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.10	<40	0.10	<40	-0.30	<40	-0.10	<40
Potassium	10000	200	15.2	<10000	10.8	<10000	14.1	<10000	10.9	<10000
Selenium	10	2	-0.40	<10	0.10	<10	-2.0	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	7.7	<10000	15.9	<10000	9.8	<10000	6.2	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.30	<10	-0.10	<10	-0.70	<10	0.80	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.20	<50	0.50	<50	0.80	<50	0.40	<50
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10569 Units: ug/l

Time:		08:17			08:56			09:55	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41700	104.3	40000	41200	103.0	40000	41600	104.0
Antimony	2000	2070	103.5	2000	1990	99.5	2000	2060	103.0
Arsenic	2000	2030	101.5	2000	1990	99.5	2000	2060	103.0
Barium	2000	2110	105.5	2000	2060	103.0	2000	2150	107.5
Beryllium	2000	2110	105.5	2000	2050	102.5	2000	2090	104.5
Cadmium	2000	2080	104.0	2000	2030	101.5	2000	2080	104.0
Calcium	40000	42300	105.8	40000	41000	102.5	40000	41300	103.3
Chromium	2000	2110	105.5	2000	2070	103.5	2000	2090	104.5
Cobalt									
Copper	anr								
Iron	40000	41300	103.3	40000	40500	101.3	40000	41800	104.5
Lead	2000	2040	102.0	2000	2030	101.5	2000	2020	101.0
Magnesium	40000	39900	99.8	40000	40800	102.0	40000	41400	103.5
Manganese	2000	2110	105.5	2000	2080	104.0	2000	2140	107.0
Molybdenum									
Nickel	2000	2110	105.5	2000	2040	102.0	2000	2080	104.0
Potassium	40000	41600	104.0	40000	41200	103.0	40000	41600	104.0
Selenium	2000	2090	104.5	2000	2000	100.0	2000	2070	103.5
Silver	anr								
Sodium	40000	41700	104.3	40000	41100	102.8	40000	41600	104.0
Strontium									
Thallium	2000	2150	107.5	2000	2060	103.0	2000	2050	102.5
Tin									
Titanium									
Vanadium	2000	2080	104.0	2000	2200	110.0	2000	2180	109.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10569 Units: ug/l

Time:		10:49			11:43			12:16	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41400	103.5	40000	41700	104.3	40000	40000	100.0
Antimony	2000	2080	104.0	2000	2080	104.0	2000	1980	99.0
Arsenic	2000	2080	104.0	2000	2090	104.5	2000	1980	99.0
Barium	2000	2140	107.0	2000	2150	107.5	2000	2010	100.5
Beryllium	2000	2090	104.5	2000	2110	105.5	2000	2040	102.0
Cadmium	2000	2100	105.0	2000	2100	105.0	2000	2020	101.0
Calcium	40000	41300	103.3	40000	41700	104.3	40000	40800	102.0
Chromium	2000	2100	105.0	2000	2100	105.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	41800	104.5	40000	42100	105.3	40000	40300	100.8
Lead	2000	2030	101.5	2000	2040	102.0	2000	1990	99.5
Magnesium	40000	41300	103.3	40000	41700	104.3	40000	40300	100.8
Manganese	2000	2130	106.5	2000	2130	106.5	2000	2050	102.5
Molybdenum									
Nickel	2000	2100	105.0	2000	2110	105.5	2000	2020	101.0
Potassium	40000	41700	104.3	40000	42100	105.3	40000	40000	100.0
Selenium	2000	2090	104.5	2000	2090	104.5	2000	1990	99.5
Silver	anr								
Sodium	40000	41800	104.5	40000	42200	105.5	40000	40000	100.0
Strontium									
Thallium	2000	2050	102.5	2000	2070	103.5	2000	2010	100.5
Tin									
Titanium									
Vanadium	2000	2190	109.5	2000	2200	110.0	2000	2150	107.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10569 Units: ug/l

Time:		13:14			14:11			15:07	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	39600	99.0	40000	39900	99.8
Antimony	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Barium	2000	2040	102.0	2000	2030	101.5	2000	2070	103.5
Beryllium	2000	2030	101.5	2000	2010	100.5	2000	2000	100.0
Cadmium	2000	2050	102.5	2000	2080	104.0	2000	2080	104.0
Calcium	40000	40100	100.3	40000	40000	100.0	40000	39300	98.3
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Cobalt									
Copper	anr								
Iron	40000	40100	100.3	40000	39300	98.3	40000	39100	97.8
Lead	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Magnesium	40000	39600	99.0	40000	38600	96.5	40000	38100	95.3
Manganese	2000	2040	102.0	2000	2020	101.0	2000	2020	101.0
Molybdenum									
Nickel	2000	2040	102.0	2000	2070	103.5	2000	2060	103.0
Potassium	40000	39800	99.5	40000	39900	99.8	40000	40600	101.5
Selenium	2000	2030	101.5	2000	2060	103.0	2000	2060	103.0
Silver	anr								
Sodium	40000	40200	100.5	40000	40600	101.5	40000	41300	103.3
Strontium									
Thallium	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	2120	106.0	2000	2100	105.0	2000	2100	105.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10569 Units: ug/l

Time:		16:01			16:55			17:40	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39500	98.8	40000	39200	98.0
Antimony	2000	2040	102.0	2000	2050	102.5	2000	2050	102.5
Arsenic	2000	2040	102.0	2000	2060	103.0	2000	2060	103.0
Barium	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0
Beryllium	2000	1990	99.5	2000	2010	100.5	2000	2010	100.5
Cadmium	2000	2090	104.5	2000	2100	105.0	2000	2110	105.5
Calcium	40000	39300	98.3	40000	39800	99.5	40000	40000	100.0
Chromium	2000	2030	101.5	2000	2070	103.5	2000	2030	101.5
Cobalt									
Copper	anr								
Iron	40000	39300	98.3	40000	40000	100.0	40000	40600	101.5
Lead	2000	1990	99.5	2000	1980	99.0	2000	1980	99.0
Magnesium	40000	38100	95.3	40000	38700	96.8	40000	39000	97.5
Manganese	2000	2000	100.0	2000	2050	102.5	2000	2010	100.5
Molybdenum									
Nickel	2000	2070	103.5	2000	2080	104.0	2000	2090	104.5
Potassium	40000	40500	101.3	40000	40400	101.0	40000	40300	100.8
Selenium	2000	2080	104.0	2000	2090	104.5	2000	2080	104.0
Silver	anr								
Sodium	40000	41200	103.0	40000	41100	102.8	40000	40900	102.3
Strontium									
Thallium	2000	2010	100.5	2000	2000	100.0	2000	1990	99.5
Tin									
Titanium									
Vanadium	2000	2090	104.5	2000	2100	105.0	2000	2060	103.0
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10569 Units: ug/l

Time:		08:07	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	81000	101.3
Antimony	4000	4030	100.8
Arsenic	4000	4030	100.8
Barium	4000	4030	100.8
Beryllium	4000	3980	99.5
Cadmium	4000	3970	99.3
Calcium	80000	80400	100.5
Chromium	4000	4010	100.3
Cobalt			
Copper	anr		
Iron	80000	80400	100.5
Lead	4000	4060	101.5
Magnesium	80000	81300	101.6
Manganese	4000	4020	100.5
Molybdenum			
Nickel	4000	3970	99.3
Potassium	80000	80600	100.8
Selenium	4000	4010	100.3
Silver	anr		
Sodium	80000	80500	100.6
Strontium			
Thallium	4000	4020	100.5
Tin			
Titanium			
Vanadium	4000	3890	97.3
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10569 Units: ug/l

Time:			08:29		17:26	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	217	108.5	195	97.5
Antimony	10	5.0	4.2	84.0	7.6	152.0*(a
Arsenic	20	10	9.7	97.0	10.9	109.0
Barium	400	200	207	103.5	202	101.0
Beryllium	10	5.0	5.1	102.0	5.0	100.0
Cadmium	10	5.0	5.3	106.0	5.4	108.0
Calcium	2000	1000	1050	105.0	985	98.5
Chromium	20	10	10.7	107.0	10.1	101.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	349	116.3	328	109.3
Lead	10	5.0	4.1	82.0	5.2	104.0
Magnesium	10000	5000	4970	99.4	4680	93.6
Manganese	30	15	16.8	112.0	16.0	106.7
Molybdenum	100	50				
Nickel	80	40	42.4	106.0	43.2	108.0
Potassium	20000	10000	10300	103.0	10100	101.0
Selenium	20	10	10.2	102.0	7.7	77.0
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	10100	101.0
Strontium	20	10				
Thallium	20	10	9.1	91.0	9.2	92.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	51.9	103.8	50.0	100.0
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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10569 Units: ug/l

Time:			08:39		08:49		17:31		17:36	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	537000	107.4	528000	105.6	511000	102.2	493000	98.6
Antimony		1000	0.0		1010	101.0	7.7		1010	101.0
Arsenic		1000	0.0		997	99.7	3.0		1000	100.0
Barium		500	-0.40		544	108.8	-0.30		525	105.0
Beryllium		500	0.0		521	104.2	0.0		498	99.6
Cadmium		1000	0.0		932	93.2	-1.4		944	94.4
Calcium	500000	500000	508000	101.6	497000	99.4	489000	97.8	473000	94.6
Chromium		500	0.0		488	97.6	-0.60		479	95.8
Cobalt		500	-0.90		461	92.2	-0.40		477	95.4
Copper		500	-0.80		577	115.4	-0.70		527	105.4
Iron	200000	200000	194000	97.0	181000	90.5	192000	96.0	175000	87.5
Lead		1000	0.0		949	94.9	-0.90		915	91.5
Magnesium	500000	500000	536000	107.2	523000	104.6	505000	101.0	486000	97.2
Manganese		500	0.0		508	101.6	-1.0		484	96.8
Molybdenum		1000	0.10		915	91.5	0.30		948	94.8
Nickel		1000	-0.30		920	92.0	-1.2		916	91.6
Potassium			-20		2.7		-20		-20	
Selenium		1000	-0.10		971	97.1	-6.8		994	99.4
Silver		1000	0.30		1070	107.0	-0.40		1070	107.0
Sodium			43.0		82.6		34.8		72.2	
Strontium		1000	4.0		1060	106.0	4.0		1020	102.0
Thallium		1000	0.0		919	91.9	-6.2		886	88.6
Tin		1000	-0.20		877	87.7	2.6		862	86.2
Titanium		1000	-3.9		1010	101.0	-3.4		960	96.0
Vanadium		500	0.0		515	103.0	1.0		484	96.8
Zinc		1000	-0.90		942	94.2	-0.80		932	93.2

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10572
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:22	MA10572-STD1	1		STDA
08:27	MA10572-STD2	1		STDB
08:30	MA10572-STD3	1		STDC
08:35	MA10572-STD4	1		STDD
08:41	MA10572-HSTD1	1		
08:47	MA10572-ICV1	1		
08:54	MA10572-ICB1	1		
08:58	MA10572-CRIA1	1		
09:07	MA10572-ICSA1	1		
09:19	MA10572-ICSAB1	1		
09:25	MA10572-CCV1	1		
09:33	MA10572-CCB1	1		
09:37	MP24693-MB1	1		
09:42	MP24693-B1	1		
10:19	ZZZZZZ	1		
10:23	MA10572-CCV2	1		
10:27	MA10572-CCB2	1		
10:32	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:45	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:54	ZZZZZZ	5		
10:59	ZZZZZZ	5		
11:04	ZZZZZZ	5		
11:09	ZZZZZZ	5		
11:13	ZZZZZZ	5		
11:18	MA10572-CCV3	1		
11:22	MA10572-CCB3	1		
11:27	ZZZZZZ	5		
11:32	ZZZZZZ	5		
11:37	ZZZZZZ	5		
11:41	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10572
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:46	ZZZZZZ	5		
11:51	ZZZZZZ	5		
11:56	ZZZZZZ	5		
12:00	MP24694-MB1	1		
12:05	MP24694-B1	1		
12:09	FA2096-19	5		(sample used for QC only; not part of login FA2088)
12:14	MA10572-CCV4	1		
12:18	MA10572-CCB4	1		
12:46	MA10572-CCV5	1		
12:52	MA10572-CCB5	1		
12:56	MP24694-D1	5		
13:01	MP24694-SD1	25		
13:05	MP24694-PS1	5		
13:10	MP24694-S1	5		
13:14	MP24694-S2	5		
13:19	ZZZZZZ	5		
13:23	ZZZZZZ	5		
13:28	ZZZZZZ	5		
13:32	ZZZZZZ	5		
13:37	ZZZZZZ	5		
13:41	MA10572-CCV6	1		
13:46	MA10572-CCB6	1		
13:50	ZZZZZZ	5		
13:55	ZZZZZZ	5		
13:59	ZZZZZZ	5		
14:04	ZZZZZZ	5		
14:09	ZZZZZZ	5		
14:13	ZZZZZZ	5		
14:18	ZZZZZZ	5		
14:22	ZZZZZZ	5		
14:27	ZZZZZZ	5		
14:32	ZZZZZZ	5		
14:36	MA10572-CCV7	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10572
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:41	MA10572-CCB7	1		
14:48	ZZZZZZ	5		
14:53	ZZZZZZ	5		
14:57	ZZZZZZ	5		
15:02	ZZZZZZ	5		
15:07	MP24696-MB1	1		
15:11	MP24696-B1	1		
15:16	FA2155-1	1		(sample used for QC only; not part of login FA2088)
15:20	MP24696-D1	1		
15:24	MP24696-SD1	5		
15:29	MP24696-PS1	1		
15:33	MA10572-CCV8	1		
15:38	MA10572-CCB8	1		
15:42	MP24696-S1	1		
15:46	MP24696-S2	1		
15:51	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:23	ZZZZZZ	5		
16:27	MA10572-CCV9	1		
16:32	MA10572-CCB9	1		
16:36	ZZZZZZ	5		
16:41	ZZZZZZ	5		
16:45	ZZZZZZ	5		
16:50	ZZZZZZ	5		
16:55	ZZZZZZ	5		
16:59	FA2088-1	1		
17:04	FA2088-2	1		
17:09	FA2088-3	1		

----------> Last reportable sample/prep for job FA2088

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10572
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:23	MA10572-CCV10	1		
17:27	MA10572-CCB10	1		
17:32	ZZZZZZ	1		
17:36	MP24699-MB1	1		
17:41	MP24699-B1	1		
17:45	FA2169-1	1		(sample used for QC only; not part of login FA2088)
17:50	MP24699-D1	1		
17:54	MP24699-SD1	5		
17:59	MP24699-PS1	1		
18:03	MP24699-S1	1		
18:07	MP24699-S2	1		
18:12	ZZZZZZ	1		
18:16	MA10572-CCV11	1		
18:20	MA10572-CCB11	1		
18:25	ZZZZZZ	1		
18:29	ZZZZZZ	1		
18:34	ZZZZZZ	1		
18:38	ZZZZZZ	1		
18:43	ZZZZZZ	1		
18:48	ZZZZZZ	1		
18:52	ZZZZZZ	1		
18:57	ZZZZZZ	1		
19:01	ZZZZZZ	1		
19:06	ZZZZZZ	1		
19:10	MA10572-CCV12	1		
19:14	MA10572-CCB12	1		
19:19	ZZZZZZ	1		
19:23	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:37	ZZZZZZ	1		
19:41	ZZZZZZ	1		
19:46	MA10572-CRIA2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10572
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:50	MA10572-ICSA2	1		
19:55	MA10572-ICSAB2	1		
20:00	MA10572-CCV13	1		
20:04	MA10572-CCB13	1		

----------> Last reportable CCB for job FA2088
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10572
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:22	MA10572-STD1	2087	14184	9232	1108
08:27	MA10572-STD2	2073	14352	9189	1073
08:30	MA10572-STD3	2002	14093	9058	997
08:35	MA10572-STD4	1928	13908	8967	931
08:41	MA10572-HSTD1	1931	13618	8747	943
08:47	MA10572-ICV1	1995	13894	8997	1002
08:54	MA10572-ICB1	2077 R	14070 R	9189 R	1106 R
08:58	MA10572-CRIA1	2059	14161	9151	1086
09:07	MA10572-ICSA1	1856	13331	8667	879
09:19	MA10572-ICSAB1	1833	12853	8418	871
09:25	MA10572-CCV1	1999	14079	9069	994
09:33	MA10572-CCB1	2088	14370	9194	1109
09:37	MP24693-MB1	2087	14219	9203	1123
09:42	MP24693-B1	2027	13932	9058	1048
10:19	ZZZZZZ	2505	17404	11268	1039
10:23	MA10572-CCV2	2028	14203	9094	1008
10:27	MA10572-CCB2	2087	14052	9025	1122
10:32	ZZZZZZ	2606 !	17888 !	11712 !	1040
10:36	ZZZZZZ	2603 !	17930 !	11705 !	1049
10:40	ZZZZZZ	2838 !	20021 !	12973 !	1015
10:45	ZZZZZZ	2392	16570	10647	1059
10:50	ZZZZZZ	2209	14926	9625	1095
10:54	ZZZZZZ	1800	13184	8468	881
10:59	ZZZZZZ	1770	13161	8482	857
11:04	ZZZZZZ	1769	13236	8522	849
11:09	ZZZZZZ	1726	12893	8258	821
11:13	ZZZZZZ	1852	13345	8651	863
11:18	MA10572-CCV3	1976	13721	8961	999
11:22	MA10572-CCB3	2053	14020	9146	1102
11:27	ZZZZZZ	1776	13241	8470	860
11:32	ZZZZZZ	1769	12981	8337	865
11:37	ZZZZZZ	1780	13051	8474	851
11:41	ZZZZZZ	1834	13359	8701	878

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10572
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:46	ZZZZZZ	1768	13175	8502	860
11:51	ZZZZZZ	1829	13338	8659	871
11:56	ZZZZZZ	2042	14348	9424	917
12:00	MP24694-MB1	2045	13870	9294	1115
12:05	MP24694-B1	2011	13952	9202	1045
12:09	FA2096-19	2033	14376	9378	935
12:14	MA10572-CCV4	1980	13511	8858	1011
12:18	MA10572-CCB4	2046	13747	9074	1120
12:46	MA10572-CCV5	1958	13709	9051	992
12:52	MA10572-CCB5	2036	13734	8985	1114
12:56	MP24694-D1	1977	13684	9107	943
13:01	MP24694-SD1	1992	13686	9118	1039
13:05	MP24694-PS1	1988	14011	9315	930
13:10	MP24694-S1	1978	13719	9141	936
13:14	MP24694-S2	1971	13550	9103	941
13:19	ZZZZZZ	1998	13799	9339	960
13:23	ZZZZZZ	2035	14156	9559	972
13:28	ZZZZZZ	2000	13882	9291	945
13:32	ZZZZZZ	1981	13658	9204	946
13:37	ZZZZZZ	2139	14580	9837	1037
13:41	MA10572-CCV6	1939	13532	9037	996
13:46	MA10572-CCB6	2016	13499	9044	1110
13:50	ZZZZZZ	1989	13481	9144	973
13:55	ZZZZZZ	1993	13810	9395	932
13:59	ZZZZZZ	2047	14136	9624	991
14:04	ZZZZZZ	1974	13805	9250	952
14:09	ZZZZZZ	1992	13624	9168	980
14:13	ZZZZZZ	1955	13381	9088	954
14:18	ZZZZZZ	1966	13521	9157	973
14:22	ZZZZZZ	1970	13620	9292	996
14:27	ZZZZZZ	1971	13734	9225	951
14:32	ZZZZZZ	1963	13382	9044	976
14:36	MA10572-CCV7	1922	13055	8885	1000

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10572
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:41	MA10572-CCB7	1995	13270	9136	1109
14:48	ZZZZZZ	1967	13741	9342	934
14:53	ZZZZZZ	1952	13362	9121	951
14:57	ZZZZZZ	1941	13229	9108	958
15:02	ZZZZZZ	2002	13684	9443	989
15:07	MP24696-MB1	2022	13637	9306	1111
15:11	MP24696-B1	1945	13291	9081	1033
15:16	FA2155-1	2039	13435	9199	1107
15:20	MP24696-D1	2014	13396	9194	1091
15:24	MP24696-SD1	2035	13495	9261	1121
15:29	MP24696-PS1	2025	13661	9353	1078
15:33	MA10572-CCV8	1938	13251	8995	1004
15:38	MA10572-CCB8	1986	12987	8932	1117
15:42	MP24696-S1	1949	13200	9172	1029
15:46	MP24696-S2	1984	13510	9336	1032
15:51	ZZZZZZ	2041	13699	9467	1101
15:55	ZZZZZZ	2030	13390	9254	1109
15:59	ZZZZZZ	1975	13175	9102	1051
16:04	ZZZZZZ	2022	13441	9359	1096
16:08	ZZZZZZ	2033	13631	9348	1109
16:13	ZZZZZZ	2101	14892	10248	896
16:18	ZZZZZZ	2412	16226	11182	1024
16:23	ZZZZZZ	1965	13321	9177	1029
16:27	MA10572-CCV9	1923	13221	9065	1000
16:32	MA10572-CCB9	1995	13364	9109	1109
16:36	ZZZZZZ	1967	13394	9279	920
16:41	ZZZZZZ	1932	13092	9105	974
16:45	ZZZZZZ	1933	13276	9227	949
16:50	ZZZZZZ	2013	13926	9543	1014
16:55	ZZZZZZ	1932	13132	9093	951
16:59	FA2088-1	2214	15399	10666	908
17:04	FA2088-2	2225	15976	11129	902
17:09	FA2088-3	2305	16839	11691	891

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10572
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:23	MA10572-CCV10	1895	13317	9320	1007
17:27	MA10572-CCB10	1970	13591	9512	1115
17:32	ZZZZZZ	1984	13597	9503	1074
17:36	MP24699-MB1	1961	13289	9237	1135
17:41	MP24699-B1	1883	13271	9228	1025
17:45	FA2169-1	1855	13423	9391	1046
17:50	MP24699-D1	1847	13145	9210	1051
17:54	MP24699-SD1	1885	13277	9356	1084
17:59	MP24699-PS1	1843	13400	9441	1022
18:03	MP24699-S1	1821	13077	9210	989
18:07	MP24699-S2	1806	12866	9174	984
18:12	ZZZZZZ	1849	13386	9407	1063
18:16	MA10572-CCV11	1839	13123	9155	980
18:20	MA10572-CCB11	1926	13121	9258	1107
18:25	ZZZZZZ	1852	13282	9411	1077
18:29	ZZZZZZ	1891	13442	9395	1087
18:34	ZZZZZZ	1938	13680	9556	1090
18:38	ZZZZZZ	1861	13098	9242	1085
18:43	ZZZZZZ	1845	13289	9361	1055
18:48	ZZZZZZ	2041	14415	9980	1089
18:52	ZZZZZZ	2008	14086	9699	1095
18:57	ZZZZZZ	1920	13162	9194	1106
19:01	ZZZZZZ	1939	13479	9406	1101
19:06	ZZZZZZ	1861	13573	9498	1047
19:10	MA10572-CCV12	1855	13365	9228	978
19:14	MA10572-CCB12	1938	13251	9158	1109
19:19	ZZZZZZ	1801	13086	9114	1011
19:23	ZZZZZZ	1910	13565	9399	1070
19:28	ZZZZZZ	1892	13828	9668	1044
19:32	ZZZZZZ	1881	13497	9429	1061
19:37	ZZZZZZ	1930	13440	9331	1092
19:41	ZZZZZZ	1833	13353	9352	1038
19:46	MA10572-CRIA2	1910	13579	9364	1070

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10572
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:50	MA10572-ICSA2	1712	12267	8577	863
19:55	MA10572-ICSAB2	1713	12368	8695	858
20:00	MA10572-CCV13	1866	13378	9226	983
20:04	MA10572-CCB13	1958	13780	9462	1102

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10572 Units: ug/l

Time:			08:54		09:33		10:27		11:22	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-5.1	<200	12.4	<200	5.5	<200	3.0	<200
Antimony	6.0	1.3	-0.40	<6.0	-0.10	<6.0	0.0	<6.0	-0.20	<6.0
Arsenic	10	1.6	-0.30	<10	-0.30	<10	0.70	<10	0.50	<10
Barium	200	1	0.0	<200	0.50	<200	0.50	<200	0.40	<200
Beryllium	4.0	.5	0.0	<4.0	0.50	<4.0	0.40	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	0.40	<1000	21.4	<1000	12.4	<1000	20.0	<1000
Chromium	10	1.8	0.70	<10	0.60	<10	0.20	<10	0.60	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	6.2	<300	18.7	<300	17.6	<300	16.9	<300
Lead	5.0	1.1	-0.40	<5.0	-0.20	<5.0	-0.10	<5.0	0.10	<5.0
Magnesium	5000	74	1.7	<5000	15.0	<5000	8.3	<5000	-0.80	<5000
Manganese	15	.7	-0.10	<15	0.40	<15	0.40	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	0.20	<40	0.20	<40	0.10	<40
Potassium	10000	200	14.7	<10000	6.2	<10000	11.1	<10000	16.5	<10000
Selenium	10	2	-0.50	<10	1.5	<10	0.90	<10	0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	2.7	<10000	12.3	<10000	5.2	<10000	28.8	<10000
Strontium	10	.5								
Thallium	10	1.3	0.80	<10	-0.40	<10	0.10	<10	-0.30	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	0.20	<50	0.20	<50	0.50	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10572 Units: ug/l

Time:			12:18		12:52		13:46		14:41	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	3.8	<200	4.1	<200	5.3	<200	9.1	<200
Antimony	6.0	1.3	0.20	<6.0	0.20	<6.0	0.70	<6.0	0.30	<6.0
Arsenic	10	1.6	0.50	<10	-0.60	<10	-0.70	<10	0.70	<10
Barium	200	1	0.40	<200	0.20	<200	0.20	<200	0.30	<200
Beryllium	4.0	.5	0.30	<4.0	0.10	<4.0	0.10	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	13.1	<1000	8.1	<1000	5.7	<1000	13.1	<1000
Chromium	10	1.8	0.20	<10	0.0	<10	0.0	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	12.6	<300	10.6	<300	8.5	<300	13.4	<300
Lead	5.0	1.1	0.0	<5.0	0.40	<5.0	0.90	<5.0	0.80	<5.0
Magnesium	5000	74	5.1	<5000	-8.0	<5000	3.4	<5000	9.9	<5000
Manganese	15	.7	0.20	<15	0.10	<15	0.10	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	-0.20	<40	-0.50	<40	-0.40	<40
Potassium	10000	200	12.3	<10000	27.5	<10000	11.2	<10000	13.4	<10000
Selenium	10	2	1.2	<10	-0.50	<10	-1.2	<10	1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	25.1	<10000	9.3	<10000	2.3	<10000	3.3	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.20	<10	-0.20	<10	-0.10	<10	0.90	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	0.50	<50	0.0	<50	0.0	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10572 Units: ug/l

Time:			15:38		16:32		17:27		18:20	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.0	<200	8.3	<200	11.4	<200	7.8	<200
Antimony	6.0	1.3	0.30	<6.0	0.70	<6.0	0.80	<6.0	0.90	<6.0
Arsenic	10	1.6	0.60	<10	0.70	<10	-0.90	<10	-0.50	<10
Barium	200	1	0.30	<200	0.30	<200	0.50	<200	0.50	<200
Beryllium	4.0	.5	0.20	<4.0	0.30	<4.0	0.40	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	7.3	<1000	7.7	<1000	12.7	<1000	10.3	<1000
Chromium	10	1.8	0.60	<10	0.30	<10	0.50	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	12.6	<300	15.2	<300	32.9	<300	16.0	<300
Lead	5.0	1.1	0.80	<5.0	0.50	<5.0	0.60	<5.0	0.60	<5.0
Magnesium	5000	74	3.3	<5000	14.6	<5000	7.6	<5000	0.10	<5000
Manganese	15	.7	0.40	<15	0.30	<15	0.40	<15	0.30	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.50	<40	-0.30	<40	-0.20	<40	-0.50	<40
Potassium	10000	200	15.7	<10000	23.7	<10000	22.7	<10000	26.8	<10000
Selenium	10	2	0.0	<10	-2.0	<10	-1.5	<10	-1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	5.7	<10000	2.0	<10000	5.0	<10000	8.2	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.40	<10	-0.20	<10	0.50	<10	0.70	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.40	<50	0.20	<50	0.0	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10572 Units: ug/l

Time:			19:14		20:04	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	5.5	<200	12.1	<200
Antimony	6.0	1.3	-0.30	<6.0	0.50	<6.0
Arsenic	10	1.6	-0.40	<10	0.40	<10
Barium	200	1	0.30	<200	0.30	<200
Beryllium	4.0	.5	0.30	<4.0	0.30	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.20	<5.0
Calcium	1000	50	6.8	<1000	12.1	<1000
Chromium	10	1.8	0.40	<10	0.20	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	13.4	<300	15.5	<300
Lead	5.0	1.1	0.30	<5.0	0.70	<5.0
Magnesium	5000	74	2.9	<5000	7.5	<5000
Manganese	15	.7	0.30	<15	0.40	<15
Molybdenum	50	.6				
Nickel	40	.5	-0.20	<40	0.0	<40
Potassium	10000	200	19.0	<10000	13.2	<10000
Selenium	10	2	0.80	<10	0.10	<10
Silver	10	.5	anr			
Sodium	10000	500	-2.0	<10000	6.0	<10000
Strontium	10	.5				
Thallium	10	1.3	0.80	<10	0.20	<10
Tin	50	.7	anr			
Titanium	10	.9				
Vanadium	50	.5	0.20	<50	0.40	<50
Zinc	20	3	anr			

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10572 Units: ug/l

Time:		08:47			09:25			10:23	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	39200	98.0	40000	39200	98.0
Antimony	2000	2050	102.5	2000	2000	100.0	2000	2000	100.0
Arsenic	2000	2010	100.5	2000	2000	100.0	2000	2000	100.0
Barium	2000	2070	103.5	2000	2010	100.5	2000	2000	100.0
Beryllium	2000	2070	103.5	2000	2010	100.5	2000	2010	100.5
Cadmium	2000	2070	103.5	2000	2020	101.0	2000	2030	101.5
Calcium	40000	41100	102.8	40000	40000	100.0	40000	40400	101.0
Chromium	2000	2130	106.5	2000	2050	102.5	2000	2070	103.5
Cobalt									
Copper	anr								
Iron	40000	41000	102.5	40000	40400	101.0	40000	40500	101.3
Lead	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Magnesium	40000	38700	96.8	40000	39400	98.5	40000	39700	99.3
Manganese	2000	2110	105.5	2000	2040	102.0	2000	2050	102.5
Molybdenum									
Nickel	2000	2080	104.0	2000	2020	101.0	2000	2030	101.5
Potassium	40000	39900	99.8	40000	39600	99.0	40000	39700	99.3
Selenium	2000	2090	104.5	2000	2000	100.0	2000	2000	100.0
Silver	anr								
Sodium	40000	40300	100.8	40000	39700	99.3	40000	39700	99.3
Strontium									
Thallium	2000	2100	105.0	2000	2010	100.5	2000	2020	101.0
Tin	anr								
Titanium									
Vanadium	2000	1980	99.0	2000	2060	103.0	2000	2070	103.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10572 Units: ug/l

Time:		11:18			12:14			12:46	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38900	97.3	40000	38600	96.5	40000	39600	99.0
Antimony	2000	2030	101.5	2000	2020	101.0	2000	1990	99.5
Arsenic	2000	2030	101.5	2000	2020	101.0	2000	1990	99.5
Barium	2000	2020	101.0	2000	2030	101.5	2000	1990	99.5
Beryllium	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2020	101.0
Calcium	40000	40000	100.0	40000	39800	99.5	40000	40100	100.3
Chromium	2000	2130	106.5	2000	2170	108.5	2000	1980	99.0
Cobalt									
Copper	anr								
Iron	40000	40600	101.5	40000	40700	101.8	40000	40000	100.0
Lead	2000	1990	99.5	2000	1970	98.5	2000	2010	100.5
Magnesium	40000	39300	98.3	40000	39300	98.3	40000	39500	98.8
Manganese	2000	2100	105.0	2000	2160	108.0	2000	1970	98.5
Molybdenum									
Nickel	2000	2050	102.5	2000	2040	102.0	2000	2020	101.0
Potassium	40000	39700	99.3	40000	39500	98.8	40000	39600	99.0
Selenium	2000	2050	102.5	2000	2040	102.0	2000	2000	100.0
Silver	anr								
Sodium	40000	39800	99.5	40000	39600	99.0	40000	39600	99.0
Strontium									
Thallium	2000	2020	101.0	2000	1990	99.5	2000	2020	101.0
Tin	anr								
Titanium									
Vanadium	2000	2110	105.5	2000	2120	106.0	2000	2020	101.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10572 Units: ug/l

Time:		13:41			14:36			15:33	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39100	97.8	40000	38800	97.0	40000	38800	97.0
Antimony	2000	2010	100.5	2000	2020	101.0	2000	2010	100.5
Arsenic	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Barium	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Beryllium	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Cadmium	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Calcium	40000	39800	99.5	40000	39800	99.5	40000	40100	100.3
Chromium	2000	2020	101.0	2000	2110	105.5	2000	2080	104.0
Cobalt									
Copper	anr								
Iron	40000	40300	100.8	40000	40800	102.0	40000	40600	101.5
Lead	2000	2000	100.0	2000	1980	99.0	2000	1990	99.5
Magnesium	40000	39300	98.3	40000	39200	98.0	40000	39500	98.8
Manganese	2000	2000	100.0	2000	2080	104.0	2000	2060	103.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2040	102.0	2000	2030	101.5
Potassium	40000	39400	98.5	40000	39300	98.3	40000	39300	98.3
Selenium	2000	2030	101.5	2000	2040	102.0	2000	2020	101.0
Silver	anr								
Sodium	40000	39500	98.8	40000	39600	99.0	40000	39500	98.8
Strontium									
Thallium	2000	2010	100.5	2000	2000	100.0	2000	2000	100.0
Tin	anr								
Titanium									
Vanadium	2000	2040	102.0	2000	2090	104.5	2000	2070	103.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10572 Units: ug/l

Time:		16:27			17:23			18:16	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38500	96.3	40000	38900	97.3	40000	39100	97.8
Antimony	2000	2030	101.5	2000	2080	104.0	2000	2100	105.0
Arsenic	2000	2030	101.5	2000	2060	103.0	2000	2060	103.0
Barium	2000	1960	98.0	2000	2020	101.0	2000	2030	101.5
Beryllium	2000	2010	100.5	2000	2000	100.0	2000	1980	99.0
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Calcium	40000	39700	99.3	40000	38600	96.5	40000	37900	94.8
Chromium	2000	2090	104.5	2000	2080	104.0	2000	2030	101.5
Cobalt									
Copper	anr								
Iron	40000	40400	101.0	40000	40200	100.5	40000	39500	98.8
Lead	2000	1990	99.5	2000	1960	98.0	2000	1960	98.0
Magnesium	40000	38900	97.3	40000	38000	95.0	40000	37400	93.5
Manganese	2000	2050	102.5	2000	2060	103.0	2000	2020	101.0
Molybdenum									
Nickel	2000	2050	102.5	2000	2060	103.0	2000	2060	103.0
Potassium	40000	39200	98.0	40000	40000	100.0	40000	40400	101.0
Selenium	2000	2050	102.5	2000	2100	105.0	2000	2100	105.0
Silver	anr								
Sodium	40000	39500	98.8	40000	40300	100.8	40000	40900	102.3
Strontium									
Thallium	2000	2000	100.0	2000	1990	99.5	2000	1990	99.5
Tin	anr								
Titanium									
Vanadium	2000	2080	104.0	2000	2080	104.0	2000	2060	103.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10572 Units: ug/l

Time:		19:10			20:00	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39500	98.8
Antimony	2000	2080	104.0	2000	2080	104.0
Arsenic	2000	2060	103.0	2000	2060	103.0
Barium	2000	2030	101.5	2000	2030	101.5
Beryllium	2000	1990	99.5	2000	2000	100.0
Cadmium	2000	2050	102.5	2000	2050	102.5
Calcium	40000	38000	95.0	40000	38400	96.0
Chromium	2000	2000	100.0	2000	2020	101.0
Cobalt						
Copper	anr					
Iron	40000	39300	98.3	40000	39600	99.0
Lead	2000	1970	98.5	2000	1970	98.5
Magnesium	40000	37400	93.5	40000	37700	94.3
Manganese	2000	1980	99.0	2000	2000	100.0
Molybdenum						
Nickel	2000	2060	103.0	2000	2060	103.0
Potassium	40000	40500	101.3	40000	40500	101.3
Selenium	2000	2080	104.0	2000	2090	104.5
Silver	anr					
Sodium	40000	40900	102.3	40000	40800	102.0
Strontium						
Thallium	2000	2000	100.0	2000	2010	100.5
Tin	anr					
Titanium						
Vanadium	2000	2040	102.0	2000	2060	103.0
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10572 Units: ug/l

Time:		08:41	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80100	100.1
Antimony	4000	4010	100.3
Arsenic	4000	4010	100.3
Barium	4000	4040	101.0
Beryllium	4000	3960	99.0
Cadmium	4000	3960	99.0
Calcium	80000	80300	100.4
Chromium	4000	4080	102.0
Cobalt			
Copper	anr		
Iron	80000	80700	100.9
Lead	4000	3980	99.5
Magnesium	80000	81500	101.9
Manganese	4000	4100	102.5
Molybdenum			
Nickel	4000	3950	98.8
Potassium	80000	80300	100.4
Selenium	4000	4000	100.0
Silver	anr		
Sodium	80000	80200	100.3
Strontium			
Thallium	4000	3970	99.3
Tin	anr		
Titanium			
Vanadium	4000	4000	100.0
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10572 Units: ug/l

Time:			08:58		19:46	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	198	99.0	204	102.0
Antimony	10	5.0	5.2	104.0	4.8	96.0
Arsenic	20	10	9.1	91.0	9.7	97.0
Barium	400	200	203	101.5	206	103.0
Beryllium	10	5.0	5.2	104.0	5.0	100.0
Cadmium	10	5.0	5.3	106.0	5.2	104.0
Calcium	2000	1000	1020	102.0	972	97.2
Chromium	20	10	11.1	111.0	10.2	102.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	319	106.3	317	105.7
Lead	10	5.0	4.6	92.0	4.8	96.0
Magnesium	10000	5000	4920	98.4	4630	92.6
Manganese	30	15	16.3	108.7	15.7	104.7
Molybdenum	100	50				
Nickel	80	40	41.7	104.3	42.4	106.0
Potassium	20000	10000	9960	99.6	10300	103.0
Selenium	20	10	10.5	105.0	9.9	99.0
Silver	20	10	anr			
Sodium	20000	10000	9880	98.8	10300	103.0
Strontium	20	10				
Thallium	20	10	8.8	88.0	9.8	98.0
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	49.0	98.0	48.7	97.4
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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10572 Units: ug/l

Time:			09:07		09:19		19:50		19:55	
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	508000	101.6	513000	102.6	500000	100.0
Antimony		1000	0.0		1000	100.0	-0.70		1040	104.0
Arsenic		1000	0.0		1000	100.0	0.80		1030	103.0
Barium		500	-0.40		541	108.2	-0.30		540	108.0
Beryllium		500	0.0		517	103.4	-0.10		504	100.8
Cadmium		1000	-0.10		952	95.2	0.10		950	95.0
Calcium	500000	500000	489000	97.8	488000	97.6	470000	94.0	459000	91.8
Chromium		500	-0.10		508	101.6	-0.60		487	97.4
Cobalt		500	-0.70		473	94.6	-0.10		473	94.6
Copper		500	-0.50		578	115.6	-1.4		589	117.8
Iron	200000	200000	193000	96.5	184000	92.0	190000	95.0	176000	88.0
Lead		1000	0.0		959	95.9	4.0		938	93.8
Magnesium	500000	500000	515000	103.0	515000	103.0	496000	99.2	481000	96.2
Manganese		500	0.30		521	104.2	-0.50		499	99.8
Molybdenum		1000	0.50		909	90.9	0.60		911	91.1
Nickel		1000	-0.40		943	94.3	-1.3		944	94.4
Potassium			-0.70		6.3		30.8		30.6	
Selenium		1000	0.0		973	97.3	-1.8		998	99.8
Silver		1000	-0.10		1080	108.0	0.70		1070	107.0
Sodium			44.9		79.5		52.1		98.3	
Strontium		1000	3.7		1000	100.0	4.0		1010	101.0
Thallium		1000	0.0		937	93.7	-2.7		927	92.7
Tin		1000	0.30		868	86.8	-0.40		864	86.4
Titanium		1000	-1.7		999	99.9	-1.6		988	98.8
Vanadium		500	0.0		499	99.8	0.50		488	97.6
Zinc		1000	-0.70		945	94.5	-0.70		911	91.1

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:07	MA10574-STD1	1		STDA
08:12	MA10574-STD2	1		STDB
08:16	MA10574-STD3	1		STDC
08:20	MA10574-STD4	1		STDD
08:26	MA10574-HSTD1	1		
08:33	MA10574-ICV1	1		
08:42	MA10574-ICB1	1		
08:47	MA10574-CRIA1	1		
08:47	MA10574-CRIA2	1		
08:55	MA10574-ICSA1	1		
09:04	MA10574-ICSAB1	1		
09:09	MA10574-CCV1	1		
09:20	MA10574-CCB1	1		
09:24	MP24701-MB1	1		
09:29	MP24701-B1	1		
09:33	FA2167-1	1		(sample used for QC only; not part of login FA2088)
09:37	MP24701-D1	1		
09:42	MP24701-SD1	5		
09:46	MP24701-PS1	1		
09:51	MP24701-S1	1		
09:55	MP24701-S2	1		
09:59	ZZZZZZ	1		
10:04	ZZZZZZ	1		
10:08	MA10574-CCV2	1		
10:13	MA10574-CCB2	1		
10:27	ZZZZZZ	5		
10:31	ZZZZZZ	5		
10:36	ZZZZZZ	1		
10:41	ZZZZZZ	5		
10:45	ZZZZZZ	5		
10:50	ZZZZZZ	5		
10:55	ZZZZZZ	5		
11:00	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:04	MA10574-CCV3	1		
11:09	MA10574-CCB3	1		
11:41	MA10574-CCV4	1		
11:49	MA10574-CCB4	1		
11:54	ZZZZZZ	4		
11:59	MP24707-MB1	1		
12:03	MP24707-B1	1		
12:07	ZZZZZZ	5		
12:07	FA2129-5	5		(sample used for QC only; not part of login FA2088)
12:12	MP24707-D1	5		
12:17	MP24707-SD1	25		
12:22	MP24707-PS1	5		
12:26	MP24707-S1	5		
12:31	MP24707-S2	5		
12:36	ZZZZZZ	5		
12:40	MA10574-CCV5	1		
12:45	MA10574-CCB5	1		
12:49	ZZZZZZ	5		
12:54	ZZZZZZ	5		
12:59	ZZZZZZ	5		
13:04	ZZZZZZ	5		
13:08	ZZZZZZ	5		
13:13	ZZZZZZ	5		
13:18	ZZZZZZ	5		
13:23	ZZZZZZ	5		
13:27	ZZZZZZ	5		
13:32	ZZZZZZ	5		
13:37	MA10574-CCV6	1		
13:41	MA10574-CCB6	1		
13:46	ZZZZZZ	5		
13:50	ZZZZZZ	5		
13:55	ZZZZZZ	5		
14:00	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	14:05	ZZZZZZ	5		
	14:09	ZZZZZZ	5		
	14:14	ZZZZZZ	5		
	14:19	ZZZZZZ	5		
	14:24	FA2092-11	5		(sample used for QC only; not part of login FA2088)
	14:28	MP24693-D1	5		
	14:32	MA10574-CCV7	1		
	14:37	MA10574-CCB7	1		
	14:41	MP24693-S1	5		
	14:46	MP24693-S2	5		
	14:50	MP24693-PS1	5		
	14:54	MP24693-SD1	25		
	14:59	ZZZZZZ	5		
	15:03	ZZZZZZ	2		
	15:08	ZZZZZZ	2		
	15:12	ZZZZZZ	2		
	15:17	FA2088-4	25		
---------->	Last reportable sample/prep for job FA2088				
	15:21	ZZZZZZ	2		
	15:26	MA10574-CCV8	1		
	15:30	MA10574-CCB8	1		
	15:34	FA1815-1R	2		(sample used for QC only; not part of login FA2088)
	15:39	MP24692-D1	2		
	15:43	MP24692-S1	2		
	15:48	MP24692-S2	2		
	15:52	MP24692-PS1	2		
	15:57	MP24692-SD1	10		
	16:01	ZZZZZZ	5		
	16:06	ZZZZZZ	4		
	16:11	ZZZZZZ	4		
	16:15	ZZZZZZ	4		
	16:20	MA10574-CCV9	1		
	16:24	MA10574-CCB9	1		
	16:29	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:33	ZZZZZZ	4		
16:38	ZZZZZZ	2		
16:42	ZZZZZZ	10		
16:47	ZZZZZZ	2		
16:51	MP24697-D2	5		
16:56	MP24702-MB1	1		
17:00	MP24702-B1	1		
17:04	FA2174-1	1		(sample used for QC only; not part of login FA2088)
17:09	MP24702-D1	1		
17:13	MA10574-CCV10	1		
17:18	MA10574-CCB10	1		
17:22	MP24702-SD1	5		
17:27	MP24702-PS1	1		
17:31	MP24702-S1	1		
17:36	MP24702-S2	1		
17:40	ZZZZZZ	1		
17:44	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:53	ZZZZZZ	1		
17:58	ZZZZZZ	1		
18:03	ZZZZZZ	1		
18:07	MA10574-CCV11	1		
18:12	MA10574-CCB11	1		
18:16	ZZZZZZ	1		
18:21	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:34	ZZZZZZ	1		
18:39	ZZZZZZ	1		
18:43	ZZZZZZ	1		
18:48	ZZZZZZ	1		
18:52	ZZZZZZ	1		
18:57	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:01	MA10574-CCV12	1		
19:06	MA10574-CCB12	1		
19:10	ZZZZZZ	1		
19:15	ZZZZZZ	1		
19:19	ZZZZZZ	1		
19:24	MP24706-MB1	1		
19:28	MP24706-B1	1		
19:33	FA2133-1	1		(sample used for QC only; not part of login FA2088)
19:37	MP24706-D1	1		
19:42	MP24706-SD1	5		
19:46	MP24706-S1	1		
19:51	MP24706-S2	1		
19:55	MA10574-CCV13	1		
20:00	MA10574-CCB13	1		
20:04	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:18	MP24706-D2	1		
20:23	MP24706-MB2	1		
20:28	MP24706-B2	1		
20:32	MP24706-MB3	1		
20:37	MP24706-B3	1		
20:41	MP24712-MB1	1		
20:46	MP24712-B1	1		
20:50	MA10574-CCV14	1		
20:54	MA10574-CCB14	1		
20:59	FA2279-1	1		(sample used for QC only; not part of login FA2088)
21:04	MP24712-D1	1		
21:08	MP24712-SD1	5		
21:13	MP24712-PS1	1		
21:17	MP24712-S1	1		
21:22	MP24712-S2	1		
21:26	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:31	ZZZZZZ	1		
21:35	ZZZZZZ	1		
21:40	ZZZZZZ	1		
21:44	MA10574-CCV15	1		
21:49	MA10574-CCB15	1		
21:53	ZZZZZZ	1		
21:58	ZZZZZZ	1		
22:02	ZZZZZZ	1		
22:07	ZZZZZZ	1		
22:16	ZZZZZZ	1		
22:21	ZZZZZZ	1		
22:25	ZZZZZZ	1		
22:30	ZZZZZZ	1		
22:34	ZZZZZZ	1		
22:39	MA10574-CCV16	1		
22:43	MA10574-CCB16	1		
22:48	ZZZZZZ	1		
22:53	ZZZZZZ	1		
22:57	ZZZZZZ	1		
23:02	ZZZZZZ	1		
23:07	MP24711-MB1	1		
23:11	MP24711-B1	1		
23:16	FA2255-2	1		(sample used for QC only; not part of login FA2088)
23:20	MP24711-D1	1		
23:25	MP24711-SD1	5		
23:29	MP24711-PS1	1		
23:34	MA10574-CCV17	1		
23:38	MA10574-CCB17	1		
23:43	MP24711-S1	1		
23:47	MP24711-S2	1		
23:51	ZZZZZZ	1		
23:56	ZZZZZZ	1		
00:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:14	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:28	MA10574-CCV18	1		
00:32	MA10574-CCB18	1		
00:41	ZZZZZZ	1		
00:46	ZZZZZZ	1		
00:51	ZZZZZZ	1		
00:55	MP24710-MB1	1		
01:00	MP24710-B1	1		
01:04	FA2276-3	1		(sample used for QC only; not part of login FA2088)
01:09	MP24710-D1	1		
01:13	MP24710-SD1	5		
01:18	MP24710-PS1	1		
01:22	MA10574-CCV19	1		
01:27	MA10574-CCB19	1		
01:31	MP24710-S1	1		
01:35	MP24710-S2	1		
01:40	ZZZZZZ	1		
02:16	MA10574-CCV20	1		
02:21	MA10574-CCB20	1		
02:39	MP24708-MB1	1		
02:44	MP24708-B1	1		
02:48	FA2129-25	5		(sample used for QC only; not part of login FA2088)
02:53	MP24708-D1	5		
03:02	MP24708-PS1	5		
03:07	MP24708-S1	5		
03:12	MA10574-CCV21	1		
03:16	MA10574-CCB21	1		
03:21	MP24708-S2	5		
03:25	ZZZZZZ	5		
03:30	ZZZZZZ	5		
03:35	ZZZZZZ	5		
03:40	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:45	ZZZZZZ	5		
03:49	ZZZZZZ	5		
03:54	ZZZZZZ	5		
03:59	ZZZZZZ	5		
04:04	ZZZZZZ	5		
04:09	MA10574-CCV22	1		
04:13	MA10574-CCB22	1		
04:18	ZZZZZZ	5		
04:22	ZZZZZZ	5		
04:27	ZZZZZZ	5		
04:32	ZZZZZZ	5		
04:37	ZZZZZZ	5		
04:42	ZZZZZZ	5		
04:46	ZZZZZZ	5		
04:51	ZZZZZZ	5		
04:56	ZZZZZZ	5		
05:01	ZZZZZZ	5		
05:06	MA10574-CCV23	1		
05:10	MA10574-CCB23	1		
05:15	MP24709-MB1	1		
05:19	MP24709-B1	1		
05:24	FA2161-1	5		(sample used for QC only; not part of login FA2088)
05:29	MP24709-D1	5		
05:33	MP24709-SD1	25		
05:38	MP24709-PS1	5		
05:43	MP24709-S1	5		
05:48	MP24709-S2	5		
05:53	ZZZZZZ	5		
05:58	ZZZZZZ	5		
06:02	MA10574-CCV24	1		
06:07	MA10574-CCB24	1		
06:11	ZZZZZZ	5		
06:16	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:21	ZZZZZZ	5		
06:26	ZZZZZZ	5		
06:31	ZZZZZZ	5		
06:36	ZZZZZZ	5		
06:40	ZZZZZZ	5		
06:45	ZZZZZZ	5		
06:50	ZZZZZZ	5		
06:55	ZZZZZZ	5		
07:00	MA10574-CCV25	1		
07:04	MA10574-CCB25	1		
07:09	ZZZZZZ	5		
07:14	ZZZZZZ	5		
07:19	ZZZZZZ	5		
07:23	ZZZZZZ	5		
07:28	ZZZZZZ	5		
07:33	ZZZZZZ	5		
07:38	ZZZZZZ	5		
07:43	MA10574-CRIA3	1		
07:47	MA10574-ICSA2	1		
07:52	MA10574-ICSAB2	1		
07:57	MA10574-CCV26	1		
08:01	MA10574-CCB26	1		

----------> Last reportable CCB for job FA2088
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:07	MA10574-STD1	2099	16509	8924	1215
08:12	MA10574-STD2	2102	16563	9062	1164
08:16	MA10574-STD3	2039	16359	8974	1058
08:20	MA10574-STD4	1962	15909	8820	969
08:26	MA10574-HSTD1	1962	15794	8861	966
08:33	MA10574-ICV1	2032	15975	8914	1043
08:42	MA10574-ICB1	2125 R	16123 R	9008 R	1191 R
08:47	MA10574-CRIA1	2119	16176	9027	1171
08:47	MA10574-CRIA2	2119			
08:55	MA10574-ICSA1	1865	14504	8493	902
09:04	MA10574-ICSAB1	1874	14513	8461	896
09:09	MA10574-CCV1	2042	15641	8889	1026
09:20	MA10574-CCB1	2105	15653	8874	1174
09:24	MP24701-MB1	2122	15767	8904	1208
09:29	MP24701-B1	2039	15687	8840	1088
09:33	FA2167-1	2211	16423	9288	1186
09:37	MP24701-D1	2151	16212	9182	1154
09:42	MP24701-SD1	2152	16083	9083	1186
09:46	MP24701-PS1	2171	16402	9252	1150
09:51	MP24701-S1	2141	16404	9275	1104
09:55	MP24701-S2	2120	16539	9280	1093
09:59	ZZZZZZ	2247	17064	9703	1168
10:04	ZZZZZZ	2345	17910	10174	1090
10:08	MA10574-CCV2	2086	15930	9037	1039
10:13	MA10574-CCB2	2154	16141	9159	1194
10:27	ZZZZZZ	2148	16514	9429	1039
10:31	ZZZZZZ	2144	16362	9361	1071
10:36	ZZZZZZ	2134	16497	9535	972
10:41	ZZZZZZ	1861	14724	8562	898
10:45	ZZZZZZ	1841	14493	8600	863
10:50	ZZZZZZ	1852	14736	8652	873
10:55	ZZZZZZ	1874	14844	8639	895
11:00	ZZZZZZ	1976	15593	9322	868

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:04	MA10574-CCV3	2062	15805	9040	1027
11:09	MA10574-CCB3	2137	15945	9161	1181
11:41	MA10574-CCV4	2014	15433	8973	1004
11:49	MA10574-CCB4	2118	15864	9205	1171
11:54	ZZZZZZ	1990	15362	8967	993
11:59	MP24707-MB1	2111	15922	9265	1172
12:03	MP24707-B1	2086	15929	9182	1080
12:07	ZZZZZZ	No results reported for the elements associated with this internal standard.			
12:07	FA2129-5	1801	14181	8472	847
12:12	MP24707-D1	1804	14335	8495	860
12:17	MP24707-SD1	1945	15135	8783	1012
12:22	MP24707-PS1	1781	14221	8433	840
12:26	MP24707-S1	1773	14172	8434	846
12:31	MP24707-S2	1778	14216	8487	843
12:36	ZZZZZZ	1954	15376	9157	890
12:40	MA10574-CCV5	2023	15535	9064	1003
12:45	MA10574-CCB5	2105	15847	9251	1166
12:49	ZZZZZZ	1800	14312	8607	870
12:54	ZZZZZZ	1844	14666	8735	890
12:59	ZZZZZZ	1819	14448	8716	842
13:04	ZZZZZZ	1805	14418	8667	846
13:08	ZZZZZZ	1799	14309	8573	858
13:13	ZZZZZZ	1795	14303	8582	851
13:18	ZZZZZZ	1820	14522	8705	833
13:23	ZZZZZZ	1816	14448	8614	864
13:27	ZZZZZZ	1839	13816	8725	865
13:32	ZZZZZZ	1859	14736	8843	863
13:37	MA10574-CCV6	1998	15457	9116	991
13:41	MA10574-CCB6	2109	15824	9325	1166
13:46	ZZZZZZ	1825	14431	8650	864
13:50	ZZZZZZ	1773	14179	8541	838
13:55	ZZZZZZ	1766	14100	8499	821
14:00	ZZZZZZ	1808	14269	8685	842

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:05	ZZZZZZ	1861	14836	8895	885
14:09	ZZZZZZ	1760	14119	8485	837
14:14	ZZZZZZ	1816	14512	8680	857
14:19	ZZZZZZ	1781	14200	8618	847
14:24	FA2092-11	2255	17053	10136	1086
14:28	MP24693-D1	2183	16478	9739	1098
14:32	MA10574-CCV7	1992	15335	9064	988
14:37	MA10574-CCB7	2073	15490	9177	1146
14:41	MP24693-S1	2211	16778	9948	1071
14:46	MP24693-S2	2208	16621	9837	1075
14:50	MP24693-PS1	2239	16934	10110	1074
14:54	MP24693-SD1	2123	16045	9461	1123
14:59	ZZZZZZ	2219	16819	10038	1086
15:03	ZZZZZZ	2390	18140	10782	1084
15:08	ZZZZZZ	2341	17799	10651	1073
15:12	ZZZZZZ	2454	18805	11231	1045
15:17	FA2088-4	2541	19407	11539	1088
15:21	ZZZZZZ	1988	15621	9310	1102
15:26	MA10574-CCV8	1972	15162	8879	994
15:30	MA10574-CCB8	2057	15741	9203	1152
15:34	FA1815-1R	2345	18577	10975	1045
15:39	MP24692-D1	2343	18602	10999	1045
15:43	MP24692-S1	2355	18619	11007	1015
15:48	MP24692-S2	2326	18426	10926	1041
15:52	MP24692-PS1	2339	18580	11056	1036
15:57	MP24692-SD1	2119	16426	9832	1110
16:01	ZZZZZZ	1944	15582	9452	878
16:06	ZZZZZZ	1971	15546	9226	1096
16:11	ZZZZZZ	1906	15390	9183	1051
16:15	ZZZZZZ	1921	15525	9221	1010
16:20	MA10574-CCV9	1928	15505	9340	973
16:24	MA10574-CCB9	2023	15751	9560	1132
16:29	ZZZZZZ	1925	999999	9410	1044

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:33	ZZZZZZ	1940	15551	9714	1077
16:38	ZZZZZZ	1963	15461	9232	1079
16:42	ZZZZZZ	1952	15756	9402	1058
16:47	ZZZZZZ	1888	15487	9219	1027
16:51	MP24697-D2	1977	15774	9504	1086
16:56	MP24702-MB1	1990	15862	9623	1120
17:00	MP24702-B1	1964	16412	9279	1043
17:04	FA2174-1	1952	15065	9339	1109
17:09	MP24702-D1	1963	15632	9523	1112
17:13	MA10574-CCV10	1924	15661	9377	970
17:18	MA10574-CCB10	2016	15980	9661	1137
17:22	MP24702-SD1	2016	15616	9464	1135
17:27	MP24702-PS1	1947	15686	9300	1076
17:31	MP24702-S1	1917	15785	9485	1011
17:36	MP24702-S2	1939	15769	9509	1020
17:40	ZZZZZZ	2057	16339	9884	1171
17:44	ZZZZZZ	1993	15890	9554	1111
17:49	ZZZZZZ	1741	15084	9164	959
17:53	ZZZZZZ	1745	15275	9679	956
17:58	ZZZZZZ	1804	15608	9710	986
18:03	ZZZZZZ	1789	15572	9809	971
18:07	MA10574-CCV11	1860	15572	9513	960
18:12	MA10574-CCB11	1933	15995	9596	1128
18:16	ZZZZZZ	1793	15488	9615	982
18:21	ZZZZZZ	1783	15540	9610	1014
18:25	ZZZZZZ	1800	15585	9719	999
18:30	ZZZZZZ	1837	15608	9633	1028
18:34	ZZZZZZ	1826	15996	9406	1036
18:39	ZZZZZZ	1912	16420	9992	1076
18:43	ZZZZZZ	1834	15912	9748	1039
18:48	ZZZZZZ	1786	15632	9695	987
18:52	ZZZZZZ	1827	15684	9751	1021
18:57	ZZZZZZ	1826	15709	9766	1021

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:01	MA10574-CCV12	1867	15543	9598	964
19:06	MA10574-CCB12	1942	15971	9674	1132
19:10	ZZZZZZ	1856	999999	9730	1071
19:15	ZZZZZZ	1870	16052	9738	1075
19:19	ZZZZZZ	1895	16010	9897	1079
19:24	MP24706-MB1	1943	16164	10565	1126
19:28	MP24706-B1	1884	15815	9622	1015
19:33	FA2133-1	1797	14657	8894	996
19:37	MP24706-D1	1802	15439	9465	1009
19:42	MP24706-SD1	1907	16043	9641	1095
19:46	MP24706-S1	1808	15543	10022	956
19:51	MP24706-S2	1801	15442	9563	945
19:55	MA10574-CCV13	1861	15766	9623	961
20:00	MA10574-CCB13	1946	16043	9792	1123
20:04	ZZZZZZ	1774	15390	9185	989
20:09	ZZZZZZ	1736	15090	9944	945
20:14	ZZZZZZ	1790	15425	9456	971
20:18	MP24706-D2	1773	15405	9663	992
20:23	MP24706-MB2	1904	16073	10056	1118
20:28	MP24706-B2	1849	15772	9762	1010
20:32	MP24706-MB3	1747	15358	9740	972
20:37	MP24706-B3	1710	15059	9779	908
20:41	MP24712-MB1	1912	16168	10459	1123
20:46	MP24712-B1	1791	15391	9623	997
20:50	MA10574-CCV14	1808	15714	9755	956
20:54	MA10574-CCB14	1868	16011	10022	1106
20:59	FA2279-1	2009	17234	10673	1013
21:04	MP24712-D1	2019	17337	10788	1006
21:08	MP24712-SD1	1936	16433	10310	1072
21:13	MP24712-PS1	2005	16745	10629	1003
21:17	MP24712-S1	1936	16611	10132	969
21:22	MP24712-S2	1959	16738	10818	975
21:26	ZZZZZZ	2058	17641	10972	1032

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:31	ZZZZZZ	1897	16423	10301	1032
21:35	ZZZZZZ	1938	16692	10073	1024
21:40	ZZZZZZ	1965	16708	10745	1038
21:44	MA10574-CCV15	1820	15452	9814	946
21:49	MA10574-CCB15	1858	15865	10074	1086
21:53	ZZZZZZ	2147	18016	11477	1004
21:58	ZZZZZZ	1977	16800	10282	1021
22:02	ZZZZZZ	1906	16454	10351	1039
22:07	ZZZZZZ	1924	16361	10293	1045
22:16	ZZZZZZ	1905	15977	10061	1061
22:21	ZZZZZZ	1779	15340	9762	928
22:25	ZZZZZZ	1913	16033	10216	1049
22:30	ZZZZZZ	1917	16035	10219	1027
22:34	ZZZZZZ	2474	21089 !	13216 !	1022
22:39	MA10574-CCV16	1811	15486	9832	945
22:43	MA10574-CCB16	1873	15741	9945	1096
22:48	ZZZZZZ	2277	19381	12149 !	884
22:53	ZZZZZZ	2108	18164	11483 !	826
22:57	ZZZZZZ	2505	21221 !	13231 !	1033
23:02	ZZZZZZ	2518	21500 !	13535 !	984
23:07	MP24711-MB1	1893	16060	9655	1117
23:11	MP24711-B1	1799	15588	10065	991
23:16	FA2255-2	1796	15537	9920	1024
23:20	MP24711-D1	1771	15386	10135	1013
23:25	MP24711-SD1	1838	15779	9938	1073
23:29	MP24711-PS1	1775	15394	9757	997
23:34	MA10574-CCV17	1786	15535	9823	939
23:38	MA10574-CCB17	1864	15882	10033	1099
23:43	MP24711-S1	1738	15102	9600	944
23:47	MP24711-S2	1750	14036	9754	949
23:51	ZZZZZZ	1589	14360	9314	872
23:56	ZZZZZZ	1787	15603	9267	1041
00:09	ZZZZZZ	1810	15623	9615	1060

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:14	ZZZZZZ	1797	15201	9970	1056
00:19	ZZZZZZ	1782	14659	9939	1044
00:28	MA10574-CCV18	1764	15423	9682	930
00:32	MA10574-CCB18	1847	15879	9949	1095
00:41	ZZZZZZ	1820	15957	10281	1055
00:46	ZZZZZZ	1705	15273	9702	957
00:51	ZZZZZZ	1745	15716	9685	978
00:55	MP24710-MB1	1875	16296	10190	1122
01:00	MP24710-B1	1796	15563	9501	995
01:04	FA2276-3	1901	17119	10760	1025
01:09	MP24710-D1	1910	16996	10686	1035
01:13	MP24710-SD1	1822	16050	10126	1062
01:18	MP24710-PS1	1892	16998	10713	1003
01:22	MA10574-CCV19	1738	15379	9597	925
01:27	MA10574-CCB19	1842	15967	9983	1091
01:31	MP24710-S1	1915	16981	10645	978
01:35	MP24710-S2	1872	16821	10583	959
01:40	ZZZZZZ	2515	22490	14062	998
02:16	MA10574-CCV20	1765	15669	9726	940
02:21	MA10574-CCB20	1848	16075	9998	1099
02:39	MP24708-MB1	1837	16017	9714	1100
02:44	MP24708-B1	1788	15713	9674	1000
02:48	FA2129-25	1593	14523	9235	805
02:53	MP24708-D1	1573	14407	9133	809
03:02	MP24708-PS1	1575	14441	9171	798
03:07	MP24708-S1	1532	14104	9023	753
03:12	MA10574-CCV21	1767	15699	9716	941
03:16	MA10574-CCB21	1850	16223	10019	1102
03:21	MP24708-S2	1571	14502	9165	798
03:25	ZZZZZZ	1606	14859	9389	801
03:30	ZZZZZZ	1609	14787	9352	808
03:35	ZZZZZZ	1587	14595	9198	794
03:40	ZZZZZZ	1575	14591	9285	775

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:45	ZZZZZZ	1544	14344	9077	786
03:49	ZZZZZZ	1531	14213	9028	771
03:54	ZZZZZZ	1625	14963	9348	839
03:59	ZZZZZZ	1662	15320	9604	853
04:04	ZZZZZZ	1643	15056	9433	829
04:09	MA10574-CCV22	1760	15818	9747	939
04:13	MA10574-CCB22	1841	16178	9944	1100
04:18	ZZZZZZ	1565	14476	9205	770
04:22	ZZZZZZ	1744	15854	9890	828
04:27	ZZZZZZ	1607	14786	9280	820
04:32	ZZZZZZ	1677	15381	9671	820
04:37	ZZZZZZ	1568	14354	9035	803
04:42	ZZZZZZ	1589	14705	9316	795
04:46	ZZZZZZ	1770	16159	10042	819
04:51	ZZZZZZ	1657	15147	9465	861
04:56	ZZZZZZ	1720	15735	9798	850
05:01	ZZZZZZ	1609	14937	9556	785
05:06	MA10574-CCV23	1767	15830	9735	942
05:10	MA10574-CCB23	1842	16279	10048	1097
05:15	MP24709-MB1	1840	16026	10028	1105
05:19	MP24709-B1	1765	15873	9675	982
05:24	FA2161-1	1556	14485	9178	805
05:29	MP24709-D1	1550	14305	9082	801
05:33	MP24709-SD1	1697	15330	9529	958
05:38	MP24709-PS1	1532	14178	9016	795
05:43	MP24709-S1	1526	14166	8959	775
05:48	MP24709-S2	1531	14167	8965	778
05:53	ZZZZZZ	1511	13943	8871	777
05:58	ZZZZZZ	1524	14104	8912	790
06:02	MA10574-CCV24	1763	15597	9632	938
06:07	MA10574-CCB24	1858	16232	9995	1105
06:11	ZZZZZZ	1574	14394	9061	797
06:16	ZZZZZZ	1629	14870	9357	799

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10574
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
06:21	ZZZZZZ	1537	14215	8957	779
06:26	ZZZZZZ	1514	14001	8941	771
06:31	ZZZZZZ	1514	14089	8909	776
06:36	ZZZZZZ	1517	14096	8914	783
06:40	ZZZZZZ	1530	14202	8962	780
06:45	ZZZZZZ	1498	13939	8865	767
06:50	ZZZZZZ	1481	13664	8752	748
06:55	ZZZZZZ	1530	14024	8966	786
07:00	MA10574-CCV25	1759	15609	9623	934
07:04	MA10574-CCB25	1839	16090	9879	1095
07:09	ZZZZZZ	1511	13878	8860	760
07:14	ZZZZZZ	1520	13949	9012	755
07:19	ZZZZZZ	1643	14917	9490	810
07:23	ZZZZZZ	1548	14305	9190	779
07:28	ZZZZZZ	1604	14447	9277	794
07:33	ZZZZZZ	1578	14238	9181	778
07:38	ZZZZZZ	1853	16425	10452	809
07:43	MA10574-CRIA3	1855	15897	10026	1055
07:47	MA10574-ICSA2	1637	14133	9080	808
07:52	MA10574-ICSAB2	1631	14115	9091	791
07:57	MA10574-CCV26	1791	15245	9700	921
08:01	MA10574-CCB26	1881	15673	9982	1081

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10574 Units: ug/l

Time:			08:42		09:20		10:13		11:09	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.20	<200	9.2	<200	7.8	<200	3.4	<200
Antimony	6.0	1.3	0.0	<20	-1.1	<20	-0.50	<6.0	-1.0	<6.0
Arsenic	10	1.6	0.60	<10	1.2	<10	-0.20	<10	0.10	<10
Barium	200	1	0.0	<200	0.10	<200	0.40	<200	0.20	<200
Beryllium	4.0	.5	0.0	<5.0	0.10	<5.0	0.40	<4.0	0.30	<4.0
Cadmium	4.0	.5	0.0	<4.0	0.0	<4.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	3.6	<5000	13.4	<5000	13.4	<1000	22.5	<1000
Chromium	10	1.8	0.30	<10	0.30	<10	0.0	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-9.0	<300	-6.1	<300	-9.6	<300	-13	<300
Lead	5.0	1.1	0.30	<20	0.40	<20	-0.30	<5.0	-0.10	<5.0
Magnesium	5000	74	8.3	<5000	-1.0	<5000	8.5	<5000	16.0	<5000
Manganese	15	.7	0.0	<15	0.20	<15	0.20	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.0	<40	0.0	<40	0.20	<40	0.30	<40
Potassium	10000	200	17.9	<10000	44.8	<10000	35.0	<10000	77.7	<10000
Selenium	10	2	0.0	<20	-0.70	<20	-0.20	<10	-1.3	<10
Silver	10	.5	anr							
Sodium	10000	500	11.8	<10000	32.2	<10000	29.1	<10000	43.3	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.40	<10	0.50	<10	-0.50	<10	-0.10	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	-0.30	<50	-0.40	<50	-0.20	<50	-0.60	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10574 Units: ug/l

Time:			11:49		12:45		13:41		14:37	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	3.9	<200	6.3	<200	2.2	<200	1.0	<200
Antimony	6.0	1.3	0.10	<6.0	0.90	<6.0	0.60	<6.0	0.20	<6.0
Arsenic	10	1.6	-0.30	<10	-0.60	<10	-0.90	<10	-0.60	<10
Barium	200	1	0.0	<200	0.20	<200	0.10	<200	0.10	<200
Beryllium	4.0	.5	0.0	<4.0	0.20	<4.0	0.20	<4.0	0.10	<4.0
Cadmium	4.0	.5	-0.10	<5.0	0.0	<5.0	-0.10	<5.0	-0.10	<5.0
Calcium	1000	50	-0.10	<1000	7.1	<1000	8.4	<1000	-1.0	<1000
Chromium	10	1.8	-0.50	<10	-0.30	<10	-0.10	<10	-0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	2.6	<300	9.1	<300	7.6	<300	5.9	<300
Lead	5.0	1.1	0.10	<5.0	-0.60	<5.0	0.10	<5.0	-0.50	<5.0
Magnesium	5000	74	-9.8	<5000	-4.3	<5000	-10	<5000	-0.60	<5000
Manganese	15	.7	0.0	<15	0.0	<15	0.10	<15	0.0	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.0	<40	0.10	<40	0.10	<40	0.0	<40
Potassium	10000	200	36.0	<10000	18.6	<10000	30.0	<10000	7.0	<10000
Selenium	10	2	-1.6	<10	-1.3	<10	-1.4	<10	2.5	<10
Silver	10	.5	anr							
Sodium	10000	500	10.4	<10000	9.1	<10000	6.5	<10000	-6.2	<10000
Strontium	10	.5								
Thallium	10	1.3	0.10	<10	0.80	<10	0.50	<10	-0.20	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	-0.20	<50	-0.10	<50	0.0	<50	-0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10574 Units: ug/l

Time:			15:30		16:24		17:18		18:12	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.3	<200	13.0	<200	1.1	<200	5.7	<200
Antimony	6.0	1.3	0.70	<6.0	0.30	<6.0	-0.70	<6.0	-0.20	<6.0
Arsenic	10	1.6	-1.0	<10	-0.10	<10	-1.1	<10	0.10	<10
Barium	200	1	0.40	<200	0.50	<200	0.10	<200	0.30	<200
Beryllium	4.0	.5	0.40	<4.0	0.40	<4.0	0.20	<4.0	0.30	<4.0
Cadmium	4.0	.5	0.10	<5.0	0.10	<5.0	0.10	<5.0	-0.10	<5.0
Calcium	1000	50	6.2	<1000	7.7	<1000	1.5	<1000	3.7	<1000
Chromium	10	1.8	0.20	<10	-0.40	<10	-0.20	<10	-0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	17.6	<300	13.4	<300	7.8	<300	11.2	<300
Lead	5.0	1.1	-0.80	<5.0	-0.40	<5.0	-0.10	<5.0	-0.30	<5.0
Magnesium	5000	74	7.6	<5000	5.7	<5000	-10	<5000	0.0	<5000
Manganese	15	.7	0.20	<15	0.30	<15	0.0	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.30	<40	0.50	<40	0.10	<40	0.20	<40
Potassium	10000	200	14.2	<10000	64.1	<10000	22.7	<10000	31.7	<10000
Selenium	10	2	-0.30	<10	-1.5	<10	-0.50	<10	-1.9	<10
Silver	10	.5	anr							
Sodium	10000	500	-1.6	<10000	11.5	<10000	2.9	<10000	37.5	<10000
Strontium	10	.5								
Thallium	10	1.3	0.40	<10	1.0	<10	1.8	<10	0.0	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	-0.10	<50	0.0	<50	-0.30	<50	-0.20	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10574 Units: ug/l

Time:			19:06		20:00		20:54		21:49	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.5	<200	11.2	<200	12.1	<200	14.9	<200
Antimony	6.0	1.3	-0.40	<6.0	-0.90	<6.0	-0.20	<6.0	-0.90	<6.0
Arsenic	10	1.6	-2.0	<10	-0.30	<10	-1.0	<10	-1.4	<10
Barium	200	1	0.20	<200	0.80	<200	0.60	<200	0.70	<200
Beryllium	4.0	.5	0.20	<4.0	0.60	<4.0	0.50	<4.0	0.50	<4.0
Cadmium	4.0	.5	-0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	0.30	<1000	13.9	<1000	8.4	<1000	8.9	<1000
Chromium	10	1.8	-0.20	<10	-0.10	<10	0.0	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	9.2	<300	16.9	<300	14.8	<300	17.3	<300
Lead	5.0	1.1	-0.30	<5.0	-0.60	<5.0	-0.60	<5.0	-0.80	<5.0
Magnesium	5000	74	0.80	<5000	7.2	<5000	0.70	<5000	5.4	<5000
Manganese	15	.7	0.10	<15	0.30	<15	0.30	<15	0.30	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	-0.10	<40	0.20	<40	0.30	<40	0.20	<40
Potassium	10000	200	12.4	<10000	27.1	<10000	48.6	<10000	38.3	<10000
Selenium	10	2	0.50	<10	1.2	<10	-0.20	<10	-0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	10.5	<10000	20.3	<10000	32.8	<10000	12.2	<10000
Strontium	10	.5								
Thallium	10	1.3	0.20	<10	1.3	<10	1.7	<10	1.6	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	-0.10	<50	0.20	<50	-0.10	<50	-0.30	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10574 Units: ug/l

Time:			22:43		23:38		00:32		01:27	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	10.4	<200	4.8	<200	21.5	<200	14.0	<200
Antimony	6.0	1.3	-0.60	<6.0	-0.50	<6.0	0.40	<6.0	-0.10	<6.0
Arsenic	10	1.6	-1.1	<10	-2.5	<10	-0.90	<10	-0.10	<10
Barium	200	1	0.40	<200	0.10	<200	1.2	<200	0.90	<200
Beryllium	4.0	.5	0.30	<4.0	0.10	<4.0	0.80	<4.0	0.50	<4.0
Cadmium	4.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	6.1	<1000	0.10	<1000	54.1	<1000	48.7	<1000
Chromium	10	1.8	-0.50	<10	-0.50	<10	0.20	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	10.8	<300	5.8	<300	19.5	<300	14.8	<300
Lead	5.0	1.1	-1.1	<5.0	-1.2	<5.0	-0.70	<5.0	-0.80	<5.0
Magnesium	5000	74	5.1	<5000	-9.3	<5000	12.7	<5000	13.9	<5000
Manganese	15	.7	0.20	<15	0.0	<15	0.70	<15	0.50	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.10	<40	0.10	<40	0.30	<40	0.30	<40
Potassium	10000	200	17.1	<10000	31.8	<10000	56.0	<10000	50.8	<10000
Selenium	10	2	-0.80	<10	-0.90	<10	-2.4	<10	0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	5.0	<10000	6.2	<10000	27.3	<10000	21.9	<10000
Strontium	10	.5								
Thallium	10	1.3	0.80	<10	1.2	<10	0.80	<10	1.4	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	-0.30	<50	-0.20	<50	0.20	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10574 Units: ug/l

Time:			02:21		03:16		04:13		05:10	
Sample ID:			CCB20		CCB21		CCB22		CCB23	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	10.8	<200	10.1	<200	8.0	<200	10.7	<200
Antimony	6.0	1.3	0.10	<6.0	0.60	<6.0	0.10	<6.0	-0.50	<6.0
Arsenic	10	1.6	-1.3	<10	-0.60	<10	-1.0	<10	-1.3	<10
Barium	200	1	0.60	<200	0.60	<200	0.50	<200	0.60	<200
Beryllium	4.0	.5	0.30	<4.0	0.30	<4.0	0.20	<4.0	0.50	<4.0
Cadmium	4.0	.5	0.0	<5.0	0.0	<5.0	-0.10	<5.0	0.10	<5.0
Calcium	1000	50	43.2	<1000	53.6	<1000	47.6	<1000	10.8	<1000
Chromium	10	1.8	-0.40	<10	-0.30	<10	-0.40	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	9.9	<300	11.1	<300	11.1	<300	13.7	<300
Lead	5.0	1.1	-1.4	<5.0	-0.80	<5.0	-0.40	<5.0	-1.5	<5.0
Magnesium	5000	74	6.8	<5000	-4.1	<5000	-1.4	<5000	-0.30	<5000
Manganese	15	.7	0.30	<15	0.30	<15	0.20	<15	0.40	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.20	<40	-0.10	<40	0.10	<40	0.0	<40
Potassium	10000	200	61.8	<10000	39.3	<10000	19.5	<10000	17.0	<10000
Selenium	10	2	-1.5	<10	-0.40	<10	-0.90	<10	-2.0	<10
Silver	10	.5	anr							
Sodium	10000	500	80.7	<10000	24.8	<10000	13.7	<10000	17.8	<10000
Strontium	10	.5								
Thallium	10	1.3	2.5	<10	1.0	<10	1.2	<10	1.1	<10
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	0.0	<50	0.0	<50	0.0	<50	0.20	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10574 Units: ug/l

Time:			06:07		07:04		08:01	
Sample ID:			CCB24		CCB25		CCB26	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	15.0	<200	6.8	<200	11.0	<200
Antimony	6.0	1.3	-0.30	<6.0	0.30	<6.0	-0.10	<6.0
Arsenic	10	1.6	-0.90	<10	-1.1	<10	-2.0	<10
Barium	200	1	0.70	<200	0.30	<200	0.30	<200
Beryllium	4.0	.5	0.60	<4.0	0.30	<4.0	0.30	<4.0
Cadmium	4.0	.5	0.0	<5.0	-0.10	<5.0	0.0	<5.0
Calcium	1000	50	13.1	<1000	9.9	<1000	7.2	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	-0.20	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	16.0	<300	9.4	<300	12.4	<300
Lead	5.0	1.1	-1.0	<5.0	-0.60	<5.0	-1.4	<5.0
Magnesium	5000	74	1.6	<5000	-8.0	<5000	10.0	<5000
Manganese	15	.7	0.30	<15	0.20	<15	0.20	<15
Molybdenum	50	.6	anr					
Nickel	40	.5	0.0	<40	0.0	<40	0.50	<40
Potassium	10000	200	18.6	<10000	5.4	<10000	18.0	<10000
Selenium	10	2	-1.7	<10	-0.60	<10	0.40	<10
Silver	10	.5	anr					
Sodium	10000	500	16.3	<10000	9.4	<10000	3.9	<10000
Strontium	10	.5						
Thallium	10	1.3	0.90	<10	0.70	<10	-0.10	<10
Tin	50	.7	anr					
Titanium	10	.9						
Vanadium	50	.5	0.10	<50	0.10	<50	-0.40	<50
Zinc	20	3	anr					

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10574 Units: ug/l

Time:		08:33			09:09			10:08	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	41500	103.8	40000	41700	104.3
Antimony	2000	2030	101.5	2000	1980	99.0	2000	1990	99.5
Arsenic	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Barium	2000	2090	104.5	2000	2080	104.0	2000	2100	105.0
Beryllium	2000	2090	104.5	2000	2070	103.5	2000	2090	104.5
Cadmium	2000	2050	102.5	2000	2010	100.5	2000	2000	100.0
Calcium	40000	41500	103.8	40000	40900	102.3	40000	41400	103.5
Chromium	2000	2080	104.0	2000	2060	103.0	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	40600	101.5	40000	40400	101.0	40000	40700	101.8
Lead	2000	2010	100.5	2000	2020	101.0	2000	2050	102.5
Magnesium	40000	39100	97.8	40000	40700	101.8	40000	41500	103.8
Manganese	2000	2080	104.0	2000	2090	104.5	2000	2120	106.0
Molybdenum	anr								
Nickel	2000	2080	104.0	2000	2030	101.5	2000	2030	101.5
Potassium	40000	40700	101.8	40000	40700	101.8	40000	41000	102.5
Selenium	2000	2050	102.5	2000	1980	99.0	2000	1990	99.5
Silver	anr								
Sodium	40000	40900	102.3	40000	40600	101.5	40000	40700	101.8
Strontium									
Thallium	2000	2120	106.0	2000	2040	102.0	2000	2080	104.0
Tin	anr								
Titanium									
Vanadium	2000	1980	99.0	2000	2140	107.0	2000	2150	107.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10574 Units: ug/l

Time:		11:04			11:41			12:40	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42200	105.5	40000	40600	101.5	40000	40300	100.8
Antimony	2000	2010	100.5	2000	2030	101.5	2000	2010	100.5
Arsenic	2000	2010	100.5	2000	2030	101.5	2000	2010	100.5
Barium	2000	2130	106.5	2000	2060	103.0	2000	2020	101.0
Beryllium	2000	2080	104.0	2000	2070	103.5	2000	2050	102.5
Cadmium	2000	2000	100.0	2000	2060	103.0	2000	2040	102.0
Calcium	40000	41000	102.5	40000	40900	102.3	40000	40700	101.8
Chromium	2000	2050	102.5	2000	2070	103.5	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	40400	101.0	40000	41200	103.0	40000	40700	101.8
Lead	2000	2040	102.0	2000	2000	100.0	2000	2000	100.0
Magnesium	40000	41200	103.0	40000	40600	101.5	40000	40200	100.5
Manganese	2000	2120	106.0	2000	2080	104.0	2000	2040	102.0
Molybdenum	anr								
Nickel	2000	2030	101.5	2000	2060	103.0	2000	2040	102.0
Potassium	40000	41400	103.5	40000	40500	101.3	40000	40100	100.3
Selenium	2000	2000	100.0	2000	2030	101.5	2000	2010	100.5
Silver	anr								
Sodium	40000	41100	102.8	40000	40600	101.5	40000	40200	100.5
Strontium									
Thallium	2000	2090	104.5	2000	2030	101.5	2000	2020	101.0
Tin	anr								
Titanium									
Vanadium	2000	2150	107.5	2000	2080	104.0	2000	2070	103.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10574 Units: ug/l

Time:		13:37			14:32			15:26	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	40900	102.3	40000	40800	102.0
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2060	103.0
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2060	103.0
Barium	2000	2030	101.5	2000	2050	102.5	2000	2100	105.0
Beryllium	2000	2050	102.5	2000	2060	103.0	2000	2070	103.5
Cadmium	2000	2050	102.5	2000	2040	102.0	2000	2060	103.0
Calcium	40000	40400	101.0	40000	40500	101.3	40000	40400	101.0
Chromium	2000	2030	101.5	2000	2040	102.0	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	40400	101.0	40000	40500	101.3	40000	41200	103.0
Lead	2000	2020	101.0	2000	2010	100.5	2000	2000	100.0
Magnesium	40000	39900	99.8	40000	40100	100.3	40000	40300	100.8
Manganese	2000	2030	101.5	2000	2040	102.0	2000	2110	105.5
Molybdenum	anr								
Nickel	2000	2060	103.0	2000	2060	103.0	2000	2070	103.5
Potassium	40000	40600	101.5	40000	40800	102.0	40000	40600	101.5
Selenium	2000	2030	101.5	2000	2040	102.0	2000	2080	104.0
Silver	anr								
Sodium	40000	40600	101.5	40000	40800	102.0	40000	40700	101.8
Strontium									
Thallium	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Tin	anr								
Titanium									
Vanadium	2000	2080	104.0	2000	2090	104.5	2000	2090	104.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10574 Units: ug/l

Time:		16:20			17:13			18:07	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	41000	102.5	40000	41900	104.8
Antimony	2000	2100	105.0	2000	2100	105.0	2000	2150	107.5
Arsenic	2000	2090	104.5	2000	2090	104.5	2000	2100	105.0
Barium	2000	2070	103.5	2000	2080	104.0	2000	2140	107.0
Beryllium	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Cadmium	2000	2060	103.0	2000	2050	102.5	2000	2040	102.0
Calcium	40000	38700	96.8	40000	38700	96.8	40000	36800	92.0
Chromium	2000	1990	99.5	2000	1970	98.5	2000	1930	96.5
Cobalt	anr								
Copper	anr								
Iron	40000	39600	99.0	40000	39500	98.8	40000	38500	96.3
Lead	2000	1990	99.5	2000	1980	99.0	2000	1940	97.0
Magnesium	40000	38400	96.0	40000	38500	96.3	40000	37400	93.5
Manganese	2000	1990	99.5	2000	1970	98.5	2000	1960	98.0
Molybdenum	anr								
Nickel	2000	2080	104.0	2000	2070	103.5	2000	2080	104.0
Potassium	40000	41500	103.8	40000	41700	104.3	40000	42900	107.3
Selenium	2000	2090	104.5	2000	2110	105.5	2000	2140	107.0
Silver	anr								
Sodium	40000	41800	104.5	40000	42000	105.0	40000	43700	109.3
Strontium									
Thallium	2000	2040	102.0	2000	2040	102.0	2000	2010	100.5
Tin	anr								
Titanium									
Vanadium	2000	2060	103.0	2000	2050	102.5	2000	2030	101.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10574 Units: ug/l

Time:		19:01			19:55			20:50	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41900	104.8	40000	41700	104.3	40000	42400	106.0
Antimony	2000	2150	107.5	2000	2160	108.0	2000	2210	110.0
Arsenic	2000	2110	105.5	2000	2120	106.0	2000	2150	107.5
Barium	2000	2140	107.0	2000	2120	106.0	2000	2200	110.0
Beryllium	2000	2000	100.0	2000	2010	100.5	2000	1990	99.5
Cadmium	2000	2030	101.5	2000	2040	102.0	2000	2030	101.5
Calcium	40000	36800	92.0	40000	36800	92.0	40000	34900	87.3*(a)
Chromium	2000	1930	96.5	2000	1910	95.5	2000	1880	94.0
Cobalt	anr								
Copper	anr								
Iron	40000	38300	95.8	40000	38500	96.3	40000	37700	94.3
Lead	2000	1930	96.5	2000	1940	97.0	2000	1890	94.5
Magnesium	40000	37300	93.3	40000	37100	92.8	40000	36300	90.8
Manganese	2000	1950	97.5	2000	1920	96.0	2000	1910	95.5
Molybdenum	anr								
Nickel	2000	2070	103.5	2000	2080	104.0	2000	2080	104.0
Potassium	40000	43100	107.8	40000	42900	107.3	40000	44200	110.0
Selenium	2000	2140	107.0	2000	2160	108.0	2000	2200	110.0
Silver	anr								
Sodium	40000	43800	109.5	40000	43700	109.3	40000	45400	113.5*(b
Strontium									
Thallium	2000	2010	100.5	2000	2010	100.5	2000	1990	99.5
Tin	anr								
Titanium									
Vanadium	2000	2040	102.0	2000	2020	101.0	2000	1990	99.5
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Ca_ reported in the area bracketed by this QC.
(b) No samples for Na_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10574 Units: ug/l

Time:		21:44			22:39			23:34	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	43000	107.5	40000	42900	107.3	40000	42400	106.0
Antimony	2000	2190	109.5	2000	2200	110.0	2000	2200	110.0
Arsenic	2000	2130	106.5	2000	2140	107.0	2000	2140	107.0
Barium	2000	2180	109.0	2000	2180	109.0	2000	2160	108.0
Beryllium	2000	1990	99.5	2000	1980	99.0	2000	1960	98.0
Cadmium	2000	2020	101.0	2000	2020	101.0	2000	2010	100.5
Calcium	40000	35100	87.8*(a)	40000	35100	87.8*(a)	40000	34400	86.0*(a)
Chromium	2000	1870	93.5	2000	1870	93.5	2000	1840	92.0
Cobalt	anr								
Copper	anr								
Iron	40000	37200	93.0	40000	37100	92.8	40000	36700	91.8
Lead	2000	1910	95.5	2000	1910	95.5	2000	1880	94.0
Magnesium	40000	36200	90.5	40000	36300	90.8	40000	35700	89.3*(d)
Manganese	2000	1910	95.5	2000	1910	95.5	2000	1870	93.5
Molybdenum	anr								
Nickel	2000	2080	104.0	2000	2080	104.0	2000	2070	103.5
Potassium	40000	44800	112.0*(b	40000	44600	111.5*(b	40000	44300	110.8*(b
Selenium	2000	2180	109.0	2000	2180	109.0	2000	2190	109.5
Silver	anr								
Sodium	40000	46100	115.3*(c	40000	45700	114.3*(c	40000	45600	114.0*(c
Strontium									
Thallium	2000	1990	99.5	2000	1990	99.5	2000	1980	99.0
Tin	anr								
Titanium									
Vanadium	2000	2030	101.5	2000	2030	101.5	2000	1980	99.0
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Ca_ reported in the area bracketed by this QC.
(b) No samples for K_ reported in the area bracketed by this QC.
(c) No samples for Na_ reported in the area bracketed by this QC.
(d) No samples for Mg_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10574 Units: ug/l

Time:		00:28			01:22			02:16	
Sample ID:	CCV	CCV18		CCV	CCV19		CCV	CCV20	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	43000	107.5	40000	42900	107.3	40000	42600	106.5
Antimony	2000	2200	110.0	2000	2250	112.5*(d	2000	2240	112.0*(d
Arsenic	2000	2160	108.0	2000	2180	109.0	2000	2180	109.0
Barium	2000	2210	110.0	2000	2210	110.0	2000	2190	109.5
Beryllium	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Cadmium	2000	2030	101.5	2000	2050	102.5	2000	2060	103.0
Calcium	40000	34600	86.5*(a)	40000	34600	86.5*(a)	40000	34800	87.0*(a)
Chromium	2000	1860	93.0	2000	1850	92.5	2000	1870	93.5
Cobalt	anr								
Copper	anr								
Iron	40000	37200	93.0	40000	37400	93.5	40000	37600	94.0
Lead	2000	1900	95.0	2000	1900	95.0	2000	1900	95.0
Magnesium	40000	36000	90.0	40000	35900	90.0	40000	36000	90.0
Manganese	2000	1890	94.5	2000	1880	94.0	2000	1880	94.0
Molybdenum	anr								
Nickel	2000	2090	104.5	2000	2110	105.5	2000	2110	105.5
Potassium	40000	45100	112.8*(b	40000	45400	113.5*(b	40000	45200	113.0*(b
Selenium	2000	2210	110.0	2000	2240	112.0*(e	2000	2230	111.5*(e
Silver	anr								
Sodium	40000	46500	116.3*(c	40000	46900	117.3*(c	40000	46800	117.0*(c
Strontium									
Thallium	2000	1990	99.5	2000	1990	99.5	2000	2000	100.0
Tin	anr								
Titanium									
Vanadium	2000	2000	100.0	2000	1980	99.0	2000	1980	99.0
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Ca_ reported in the area bracketed by this QC.
(b) No samples for K_ reported in the area bracketed by this QC.
(c) No samples for Na_ reported in the area bracketed by this QC.
(d) No samples for Sb_ reported in the area bracketed by this QC.
(e) No samples for Se_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10574 Units: ug/l

Time:		03:12			04:09			05:06	
Sample ID:	CCV	CCV21		CCV	CCV22		CCV	CCV23	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41900	104.8	40000	41900	104.8	40000	41800	104.5
Antimony	2000	2240	112.0*(a	2000	2250	112.5*(a	2000	2240	112.0*(a
Arsenic	2000	2190	109.5	2000	2190	109.5	2000	2180	109.0
Barium	2000	2170	108.5	2000	2160	108.0	2000	2160	108.0
Beryllium	2000	1990	99.5	2000	1980	99.0	2000	1980	99.0
Cadmium	2000	2070	103.5	2000	2080	104.0	2000	2070	103.5
Calcium	40000	35200	88.0*(b)	40000	35000	87.5*(b)	40000	34900	87.3*(b)
Chromium	2000	1870	93.5	2000	1870	93.5	2000	1860	93.0
Cobalt	anr								
Copper	anr								
Iron	40000	37800	94.5	40000	37700	94.3	40000	37600	94.0
Lead	2000	1900	95.0	2000	1910	95.5	2000	1900	95.0
Magnesium	40000	36000	90.0	40000	35900	90.0	40000	35800	90.0
Manganese	2000	1880	94.0	2000	1870	93.5	2000	1870	93.5
Molybdenum	anr								
Nickel	2000	2110	105.5	2000	2120	106.0	2000	2110	105.5
Potassium	40000	44000	110.0	40000	44300	110.8*(e	40000	44000	110.0
Selenium	2000	2250	112.5*(c	2000	2260	113.0*(c	2000	2240	112.0*(c
Silver	anr								
Sodium	40000	45400	113.5*(d	40000	45800	114.5*(d	40000	45500	113.8*(d
Strontium									
Thallium	2000	2000	100.0	2000	2000	100.0	2000	1990	99.5
Tin	anr								
Titanium									
Vanadium	2000	1970	98.5	2000	1980	99.0	2000	1970	98.5
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Sb_ reported in the area bracketed by this QC.
(b) No samples for Ca_ reported in the area bracketed by this QC.
(c) No samples for Se_ reported in the area bracketed by this QC.
(d) No samples for Na_ reported in the area bracketed by this QC.
(e) No samples for K_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10574 Units: ug/l

Time:		06:02			07:00			07:57	
Sample ID:	CCV	CCV24		CCV	CCV25		CCV	CCV26	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42000	105.0	40000	42200	105.5	40000	43300	108.3
Antimony	2000	2230	111.5*(a	2000	2240	112.0*(a	2000	2170	108.5
Arsenic	2000	2180	109.0	2000	2180	109.0	2000	2120	106.0
Barium	2000	2180	109.0	2000	2190	109.5	2000	2160	108.0
Beryllium	2000	1980	99.0	2000	1980	99.0	2000	1980	99.0
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2010	100.5
Calcium	40000	35100	87.8*(b)	40000	35000	87.5*(b)	40000	35300	88.3*(b)
Chromium	2000	1860	93.0	2000	1880	94.0	2000	1860	93.0
Cobalt	anr								
Copper	anr								
Iron	40000	37800	94.5	40000	37600	94.0	40000	36500	91.3
Lead	2000	1900	95.0	2000	1900	95.0	2000	1930	96.5
Magnesium	40000	36000	90.0	40000	36000	90.0	40000	36400	91.0
Manganese	2000	1890	94.5	2000	1890	94.5	2000	1880	94.0
Molybdenum	anr								
Nickel	2000	2100	105.0	2000	2110	105.5	2000	2080	104.0
Potassium	40000	43700	109.3	40000	43900	109.8	40000	44500	111.3*(e
Selenium	2000	2230	111.5*(c	2000	2230	111.5*(c	2000	2140	107.0
Silver	anr								
Sodium	40000	45200	113.0*(d	40000	45400	113.5*(d	40000	45800	114.5*(d
Strontium									
Thallium	2000	1990	99.5	2000	2000	100.0	2000	2020	101.0
Tin	anr								
Titanium									
Vanadium	2000	1980	99.0	2000	1980	99.0	2000	2050	102.5
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Sb_ reported in the area bracketed by this QC.
(b) No samples for Ca_ reported in the area bracketed by this QC.
(c) No samples for Se_ reported in the area bracketed by this QC.
(d) No samples for Na_ reported in the area bracketed by this QC.
(e) No samples for K_ reported in the area bracketed by this QC.

HIGH STANDARD CHECK SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10574 Units: ug/l

Time:		08:26	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	81200	101.5
Antimony	4000	4000	100.0
Arsenic	4000	4010	100.3
Barium	4000	3960	99.0
Beryllium	4000	3950	98.8
Cadmium	4000	3950	98.8
Calcium	80000	80000	100.0
Chromium	4000	3960	99.0
Cobalt	anr		
Copper	anr		
Iron	80000	79300	99.1
Lead	4000	4040	101.0
Magnesium	80000	80400	100.5
Manganese	4000	3980	99.5
Molybdenum	anr		
Nickel	4000	3950	98.8
Potassium	80000	81200	101.5
Selenium	4000	4000	100.0
Silver	anr		
Sodium	80000	81000	101.3
Strontium			
Thallium	4000	4020	100.5
Tin	anr		
Titanium			
Vanadium	4000	3980	99.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10574 Units: ug/l

Time:			08:47		08:47		07:43	
Sample ID:	CRI	CRIA	CRIA1		CRIA2		CRIA3	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	400	200	207	103.5			211	105.5
Antimony	10	5.0			4.1	82.0	3.6	72.0
Arsenic	20	10	10.8	108.0			9.5	95.0
Barium	400	200	206	103.0			210	105.0
Beryllium	10	5.0	5.1	102.0			4.8	96.0
Cadmium	10	5.0	5.2	104.0			5.1	102.0
Calcium	2000	1000	1030	103.0			957	95.7
Chromium	20	10	10.6	106.0			9.0	90.0
Cobalt	100	50	anr					
Copper	50	25	anr					
Iron	600	300	301	100.3			282	94.0
Lead	10	5.0	5.8	116.0			3.9	78.0
Magnesium	10000	5000	5010	100.2			4320	86.4
Manganese	30	15	16.4	109.3			14.4	96.0
Molybdenum	100	50	anr					
Nickel	80	40	42.3	105.8			43.6	109.0
Potassium	20000	10000	10100	101.0			11000	110.0
Selenium	20	10	8.0	80.0			10.0	100.0
Silver	20	10	anr					
Sodium	20000	10000	9990	99.9			11200	112.0
Strontium	20	10						
Thallium	20	10	9.0	90.0			9.5	95.0
Tin	100	50	anr					
Titanium	20	10						
Vanadium	100	50	50.2	100.4			48.1	96.2
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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030413M1.ICP Date Analyzed: 03/04/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10574 Units: ug/l

Time:			08:55		09:04		07:47		07:52	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	552000	110.4	531000	106.2	558000	111.6	555000	111.0
Antimony		1000	-0.30		983	98.3	1.1		1080	108.0
Arsenic		1000	0.0		963	96.3	-6.4		1020	102.0
Barium		500	0.0		534	106.8	-2.9		547	109.4
Beryllium		500	0.0		515	103.0	-0.10		492	98.4
Cadmium		1000	-0.60		911	91.1	8.3		904	90.4
Calcium	500000	500000	512000	102.4	487000	97.4	422000	84.4	425000	85.0
Chromium		500	-0.40		486	97.2	-1.4		427	85.4
Cobalt		500	-0.80		449	89.8	-1.3		450	90.0
Copper		500	0.0		592	118.4	2.3		621	124.2*(a
Iron	200000	200000	197000	98.5	189000	94.5	171000	85.5	169000	84.5
Lead		1000	0.0		935	93.5	5.1		875	87.5
Magnesium	500000	500000	544000	108.8	517000	103.4	459000	91.8	457000	91.4
Manganese		500	0.90		509	101.8	0.80		444	88.8
Molybdenum		1000	-0.40		856	85.6	-0.30		884	88.4
Nickel		1000	-0.70		914	91.4	-0.50		914	91.4
Potassium			45.1		33.6		-0.60		-12	
Selenium		1000	1.0		939	93.9	-3.8		1010	101.0
Silver		1000	0.50		1060	106.0	0.70		1040	104.0
Sodium			87.0		102		65.2		61.7	
Strontium		1000	4.2		995	99.5	11.8		1030	103.0
Thallium		1000	-1.0		922	92.2	-1.1		886	88.6
Tin		1000	1.7		841	84.1	0.90		834	83.4
Titanium		1000	-4.9		986	98.6	-3.3		936	93.6
Vanadium		500	-0.50		500	100.0	-1.5		468	93.6
Zinc		1000	-0.20		924	92.4	-4.2		842	84.2

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:36	MA10577-STD1	1		STDA
08:41	MA10577-STD2	1		STDB
08:44	MA10577-STD3	1		STDC
08:48	MA10577-STD4	1		STDD
08:53	MA10577-HSTD1	1		
09:01	MA10577-ICV1	1		
09:09	MA10577-ICB1	1		
09:14	MA10577-CRIA1	1		
09:22	MA10577-ICSA1	1		
09:33	MA10577-ICSAB1	1		
09:41	MA10577-CCV1	1		
09:51	MA10577-CCB1	1		
09:56	MP24716-MB1	1		
10:01	MP24716-B1	1		
10:05	FA2140-1	1		(sample used for QC only; not part of login FA2088)
10:09	MP24716-D1	1		
10:14	MP24716-SD1	5		
10:19	MP24716-S1	1		
10:23	MP24716-S2	1		
10:27	ZZZZZZ	1		
10:32	MP24717-MB1	1		
10:36	MP24717-B1	1		
10:41	MA10577-CCV2	1		
10:45	MA10577-CCB2	1		
11:09	MA10577-CCV3	1		
11:15	MA10577-CCB3	1		
11:21	FA2227-1	1		(sample used for QC only; not part of login FA2088)
11:26	MP24717-D1	1		
11:31	MP24717-SD1	5		
11:35	MP24717-PS1	1		
11:39	MP24717-S1	1		
11:44	MP24717-S2	1		
11:48	MP24719-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:53	MP24719-B1	1		
11:57	FA2303-1	1		(sample used for QC only; not part of login FA2088)
12:01	MP24719-D1	1		
12:06	MA10577-CCV4	1		
12:10	MA10577-CCB4	1		
12:39	MA10577-CCV5	1		
12:50	MA10577-CCB5	1		
12:54	MP24719-SD1	5		
12:58	MP24719-PS1	1		
13:03	MP24719-S1	1		
13:07	MP24719-S2	1		
13:12	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:39	MA10577-CCV6	1		
13:43	MA10577-CCB6	1		
13:48	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:57	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:19	FA2303-1	5		(sample used for QC only; not part of login FA2088)
14:24	MP24719-D1	5		
14:29	MP24719-S1	5		
14:33	MA10577-CCV7	1		
14:38	MA10577-CCB7	1		
14:42	MP24719-S2	5		
14:47	MP24719-PS1	5		
14:52	MP24719-SD1	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:56	ZZZZZZ	5		
15:01	ZZZZZZ	5		
15:06	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:19	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:28	MA10577-CCV8	1		
15:32	MA10577-CCB8	1		
15:37	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	FA2088-5	5		
15:55	FA2088-6	10		
---------->	Last reportable sample/prep for job FA2088			
15:59	MP24712-MB1	1		
16:04	MP24712-B1	1		
16:08	FA2279-1	1		(sample used for QC only; not part of login FA2088)
16:12	MP24712-D1	1		
16:17	MP24712-S1	1		
16:22	MA10577-CCV9	1		
16:26	MA10577-CCB9	1		
16:46	MA10577-CCV10	1		
16:50	MA10577-CCB10	1		
16:54	MP24712-S2	1		
16:59	MP24712-PS1	1		
17:03	MP24712-SD1	5		
17:08	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:35	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:39	MA10577-CCV11	1		
17:43	MA10577-CCB11	1		
17:48	ZZZZZZ	1		
17:52	ZZZZZZ	2		
17:57	MP24711-MB1	1		
18:01	MP24711-B1	1		
18:06	FA2255-2	1		(sample used for QC only; not part of login FA2088)
18:10	MP24711-D1	1		
18:15	MP24711-S1	1		
18:19	MP24711-S2	1		
18:23	MP24711-PS1	1		
18:28	MP24711-SD1	5		
18:32	MA10577-CCV12	1		
18:36	MA10577-CCB12	1		
18:41	ZZZZZZ	1		
18:46	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:55	ZZZZZZ	1		
18:59	ZZZZZZ	1		
19:04	ZZZZZZ	1		
19:08	MP24708-SD1	25		
19:13	MP24718-MB1	1		
19:18	MP24718-B1	1		
19:22	FA2263-11	1		(sample used for QC only; not part of login FA2088)
19:26	MA10577-CCV13	1		
19:31	MA10577-CCB13	1		
19:35	MP24718-D1	1		
19:40	MP24718-SD1	5		
19:44	MP24718-PS1	1		
19:49	MP24718-S1	1		
19:53	MP24718-S2	1		
19:58	ZZZZZZ	1		
20:02	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:06	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:15	ZZZZZZ	1		
20:20	MA10577-CCV14	1		
20:24	MA10577-CCB14	1		
20:29	ZZZZZZ	1		
20:33	ZZZZZZ	1		
20:37	ZZZZZZ	1		
20:42	ZZZZZZ	1		
20:46	ZZZZZZ	1		
20:51	ZZZZZZ	1		
20:55	ZZZZZZ	1		
21:00	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:09	ZZZZZZ	1		
21:13	MA10577-CCV15	1		
21:18	MA10577-CCB15	1		
21:22	ZZZZZZ	1		
21:27	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:36	ZZZZZZ	1		
21:40	MP24720-MB1	1		
21:45	MP24720-B1	1		
21:49	FA2219-1	1		(sample used for QC only; not part of login FA2088)
21:53	MP24720-D1	1		
21:58	MP24720-SD1	5		
22:02	MP24720-PS1	1		
22:07	MA10577-CCV16	1		
22:11	MA10577-CCB16	1		
22:16	MP24720-S1	1		
22:20	MP24720-S2	1		
22:24	ZZZZZZ	1		
22:29	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:33	ZZZZZZ	1		
22:38	ZZZZZZ	1		
22:42	ZZZZZZ	1		
22:47	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:56	ZZZZZZ	1		
23:01	MA10577-CCV17	1		
23:05	MA10577-CCB17	1		
23:10	ZZZZZZ	1		
23:14	ZZZZZZ	1		
23:19	ZZZZZZ	1		
23:23	ZZZZZZ	1		
23:28	ZZZZZZ	1		
23:32	ZZZZZZ	1		
23:37	ZZZZZZ	1		
23:41	ZZZZZZ	1		
23:46	MP24721-MB1	1		
23:50	MP24721-B1	1		
23:55	MA10577-CCV18	1		
23:59	MA10577-CCB18	1		
00:04	FA2284-1	1		(sample used for QC only; not part of login FA2088)
00:08	MP24721-D1	1		
00:13	MP24721-SD1	5		
00:17	MP24721-PS1	1		
00:22	MP24721-S1	1		
00:26	MP24721-S2	1		
00:30	FA2284-1F	1		(sample used for QC only; not part of login FA2088)
00:35	MP24721-D2	1		
00:39	MP24721-SD2	5		
00:44	MP24721-PS2	1		
00:48	MA10577-CCV19	1		
00:52	MA10577-CCB19	1		
00:57	MP24721-S3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:01	MP24721-S4	1		
01:05	ZZZZZZ	1		
01:10	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:19	ZZZZZZ	1		
01:23	ZZZZZZ	1		
01:28	ZZZZZZ	1		
01:32	ZZZZZZ	1		
01:37	ZZZZZZ	1		
01:41	MA10577-CCV20	1		
01:46	MA10577-CCB20	1		
01:50	ZZZZZZ	1		
01:55	ZZZZZZ	1		
01:59	ZZZZZZ	1		
02:04	ZZZZZZ	1		
02:08	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:17	FA2220-1F	1		(sample used for QC only; not part of login FA2088)
02:22	ZZZZZZ	1		
02:27	MA10577-CRIA2	1		
02:31	MA10577-ICSA2	1		
02:36	MA10577-CCV21	1		
02:40	MA10577-CCB21	1		
02:45	MA10577-ICSAB2	1		
02:49	MA10577-CCV22	1		
02:54	MA10577-CCB22	1		

----------> Last reportable CCB for job FA2088
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:36	MA10577-STD1	3377	19385	9441	1541
08:41	MA10577-STD2	3370	19589	9621	1512
08:44	MA10577-STD3	3250	19252	9418	1405
08:48	MA10577-STD4	3143	19321	9499	1316
08:53	MA10577-HSTD1	3114	19041	9307	1303
09:01	MA10577-ICV1	3199	19210	9239	1375
09:09	MA10577-ICB1	3322 R	19178 R	9352 R	1512 R
09:14	MA10577-CRIA1	3300	19353	9360	1492
09:22	MA10577-ICSA1	2978	18137	9000	1223
09:33	MA10577-ICSAB1	2953	18071	8912	1201
09:41	MA10577-CCV1	3140	18970	9224	1337
09:51	MA10577-CCB1	3268	19698	9362	1458
09:56	MP24716-MB1	3317	20023	9516	1480
10:01	MP24716-B1	3169	20013	9421	1361
10:05	FA2140-1	3114	19113	9114	1332
10:09	MP24716-D1	3056	19580	9074	1305
10:14	MP24716-SD1	3232	19812	9256	1429
10:19	MP24716-S1	3092	19788	9236	1282
10:23	MP24716-S2	3090	19553	8986	1281
10:27	ZZZZZZ	3129	19609	9120	1350
10:32	MP24717-MB1	3209	20056	9434	1427
10:36	MP24717-B1	3135	19447	9002	1344
10:41	MA10577-CCV2	3143	19817	9172	1313
10:45	MA10577-CCB2	3232	19633	9180	1434
11:09	MA10577-CCV3	3123	19354	9074	1318
11:15	MA10577-CCB3	3198	19381	9122	1425
11:21	FA2227-1	3195	19586	9183	1345
11:26	MP24717-D1	3218	19751	9294	1347
11:31	MP24717-SD1	3241	19543	9194	1413
11:35	MP24717-PS1	3192	19523	9177	1323
11:39	MP24717-S1	3200	19539	9351	1282
11:44	MP24717-S2	3158	18970	9062	1296
11:48	MP24719-MB1	3135	18213	8740	1414

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:53	MP24719-B1	3047	18496	8722	1326
11:57	FA2303-1	2865	17947	8456	1075
12:01	MP24719-D1	2879	18099	8660	1059
12:06	MA10577-CCV4	3050	18271	8771	1320
12:10	MA10577-CCB4	3146	18355	8983	1452
12:39	MA10577-CCV5	2987	17894	8796	1306
12:50	MA10577-CCB5	3132	18310	9001	1440
12:54	MP24719-SD1	3013	18564	8951	1285
12:58	MP24719-PS1	2866	18503	8914	1073
13:03	MP24719-S1	2861	17794	8793	1020
13:07	MP24719-S2	2847	18028	8966	987
13:12	ZZZZZZ	2885	17948	9068	1094
13:17	ZZZZZZ	2962	18543	9161	1088
13:21	ZZZZZZ	3076	18742	9275	1262
13:26	ZZZZZZ	3140	18657	9110	1409
13:30	ZZZZZZ	3322	19317	9517	1366
13:35	ZZZZZZ	3131	18862	9299	1329
13:39	MA10577-CCV6	3062	19064	9175	1302
13:43	MA10577-CCB6	3161	19118	9288	1426
13:48	ZZZZZZ	3130	19241	9289	1356
13:52	ZZZZZZ	3105	18619	8904	1376
13:57	ZZZZZZ	3327	19664	9673	1363
14:06	ZZZZZZ	3328	20091	9664	1340
14:10	ZZZZZZ	3149	18973	9172	1394
14:15	ZZZZZZ	3124	18393	8858	1370
14:19	FA2303-1	2979	18595	8946	1275
14:24	MP24719-D1	3004	18950	9138	1264
14:29	MP24719-S1	3060	19197	9251	1265
14:33	MA10577-CCV7	3034	18617	8953	1300
14:38	MA10577-CCB7	3090	18262	8939	1427
14:42	MP24719-S2	2894	18261	8898	1200
14:47	MP24719-PS1	2960	18727	8993	1263
14:52	MP24719-SD1	3071	18803	9181	1375

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:56	ZZZZZZ	2940	18127	8671	1269
15:01	ZZZZZZ	2973	18365	8934	1272
15:06	ZZZZZZ	3096	18517	9125	1388
15:10	ZZZZZZ	3080	18661	9080	1393
15:14	ZZZZZZ	3056	18414	8925	1379
15:19	ZZZZZZ	3080	18181	8962	1400
15:23	ZZZZZZ	3058	18379	9016	1395
15:28	MA10577-CCV8	3034	18737	9054	1296
15:32	MA10577-CCB8	3105	18418	8858	1422
15:37	ZZZZZZ	3078	18188	8887	1407
15:41	ZZZZZZ	3067	18374	8951	1403
15:46	ZZZZZZ	3082	18426	9044	1402
15:50	FA2088-5	4081	24352	12035	1307
15:55	FA2088-6	4127	23634	11762	1423
15:59	MP24712-MB1	3142	17643	9026	1469
16:04	MP24712-B1	2985	17803	8737	1341
16:08	FA2279-1	3403	19703	9795	1380
16:12	MP24712-D1	3414	19427	9656	1384
16:17	MP24712-S1	3231	18972	9439	1325
16:22	MA10577-CCV9	2993	17853	8852	1309
16:26	MA10577-CCB9	3067	17733	8870	1428
16:46	MA10577-CCV10	2928	17242	8595	1296
16:50	MA10577-CCB10	3000	17050	8672	1417
16:54	MP24712-S2	3211	18902	9637	1310
16:59	MP24712-PS1	3398	19993	9833	1371
17:03	MP24712-SD1	3162	17875	8941	1430
17:08	ZZZZZZ	3409	19473	9949	1395
17:12	ZZZZZZ	3133	18352	9222	1391
17:17	ZZZZZZ	3213	18817	9422	1386
17:21	ZZZZZZ	3190	18144	9086	1391
17:26	ZZZZZZ	3552	19860	10236	1354
17:30	ZZZZZZ	3288	18981	9657	1388
17:35	ZZZZZZ	3182	18762	9364	1405

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:39	MA10577-CCV11	2954	17243	8544	1311
17:43	MA10577-CCB11	3020	16832	8524	1447
17:48	ZZZZZZ	3110	17850	9134	1393
17:52	ZZZZZZ	3926	22465	11412	1414
17:57	MP24711-MB1	3030	17514	8947	1416
18:01	MP24711-B1	2985	17142	8619	1360
18:06	FA2255-2	2936	16831	8473	1387
18:10	MP24711-D1	2975	17250	8776	1398
18:15	MP24711-S1	2957	17462	8896	1329
18:19	MP24711-S2	2973	17491	8874	1325
18:23	MP24711-PS1	2937	17105	8569	1349
18:28	MP24711-SD1	3013	16943	8542	1444
18:32	MA10577-CCV12	2931	17044	8715	1309
18:36	MA10577-CCB12	3035	17268	8864	1437
18:41	ZZZZZZ	2802	17032	8505	1255
18:46	ZZZZZZ	2940	16818	8601	1400
18:50	ZZZZZZ	3010	17045	8791	1427
18:55	ZZZZZZ	3011	17085	8724	1423
18:59	ZZZZZZ	3054	17538	8873	1434
19:04	ZZZZZZ	3011	16781	8640	1434
19:08	MP24708-SD1	2691	16521	8284	1149
19:13	MP24718-MB1	2973	16924	8674	1402
19:18	MP24718-B1	2942	17124	8550	1335
19:22	FA2263-11	3060	17069	8551	1379
19:26	MA10577-CCV13	2947	17082	8611	1319
19:31	MA10577-CCB13	3032	17260	8746	1433
19:35	MP24718-D1	3149	17904	9068	1409
19:40	MP24718-SD1	3108	17674	8927	1429
19:44	MP24718-PS1	3029	17274	8563	1363
19:49	MP24718-S1	3006	17199	8718	1318
19:53	MP24718-S2	3036	17721	8855	1328
19:58	ZZZZZZ	3233	18280	9210	1427
20:02	ZZZZZZ	3013	17357	8723	1403

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:06	ZZZZZZ	3044	16988	8510	1398
20:11	ZZZZZZ	3044	17390	8959	1370
20:15	ZZZZZZ	3152	17863	9021	1399
20:20	MA10577-CCV14	2990	17573	8862	1321
20:24	MA10577-CCB14	3052	17498	8800	1429
20:29	ZZZZZZ	3036	16881	8457	1394
20:33	ZZZZZZ	3131	17508	8845	1366
20:37	ZZZZZZ	3334	18781	9546	1378
20:42	ZZZZZZ	3130	18408	9180	1400
20:46	ZZZZZZ	2993	17086	8623	1398
20:51	ZZZZZZ	3111	17775	8921	1404
20:55	ZZZZZZ	3058	17143	8609	1400
21:00	ZZZZZZ	3076	17403	8826	1391
21:04	ZZZZZZ	2975	17022	8592	1402
21:09	ZZZZZZ	3062	17407	8740	1406
21:13	MA10577-CCV15	2980	17550	8663	1310
21:18	MA10577-CCB15	3034	17266	8615	1425
21:22	ZZZZZZ	3417	19122	9650	1406
21:27	ZZZZZZ	2976	16984	8542	1403
21:31	ZZZZZZ	3085	17597	8841	1396
21:36	ZZZZZZ	3033	17316	8674	1405
21:40	MP24720-MB1	3057	17632	8870	1432
21:45	MP24720-B1	2985	17572	8731	1348
21:49	FA2219-1	3021	17628	8945	1413
21:53	MP24720-D1	2990	17101	8656	1416
21:58	MP24720-SD1	3021	17243	8700	1433
22:02	MP24720-PS1	2980	17403	8804	1381
22:07	MA10577-CCV16	2939	17412	8718	1298
22:11	MA10577-CCB16	3028	17504	8713	1418
22:16	MP24720-S1	2942	17365	8701	1320
22:20	MP24720-S2	2971	17518	8684	1327
22:24	ZZZZZZ	3043	17904	9014	1415
22:29	ZZZZZZ	3040	17758	8980	1418

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:33	ZZZZZZ	3001	17049	8602	1419
22:38	ZZZZZZ	3011	16345	8601	1431
22:42	ZZZZZZ	2988	17180	8698	1414
22:47	ZZZZZZ	3016	17414	8825	1420
22:52	ZZZZZZ	3000	17742	8947	1413
22:56	ZZZZZZ	3019	17540	8943	1418
23:01	MA10577-CCV17	2925	17505	8686	1285
23:05	MA10577-CCB17	3033	17514	8748	1414
23:10	ZZZZZZ	3038	17806	8864	1416
23:14	ZZZZZZ	3132	18399	9032	1409
23:19	ZZZZZZ	2973	17464	8653	1370
23:23	ZZZZZZ	3041	17689	8861	1386
23:28	ZZZZZZ	2956	17773	8771	1353
23:32	ZZZZZZ	2847	17381	8607	1318
23:37	ZZZZZZ	2996	17384	8791	1403
23:41	ZZZZZZ	2990	17486	8783	1403
23:46	MP24721-MB1	3015	18299	8829	1412
23:50	MP24721-B1	2973	17683	8734	1338
23:55	MA10577-CCV18	2925	17492	8636	1284
23:59	MA10577-CCB18	2966	16989	8468	1396
00:04	FA2284-1	3021	17188	8778	1420
00:08	MP24721-D1	2995	17164	8750	1409
00:13	MP24721-SD1	2973	17017	8709	1405
00:17	MP24721-PS1	2998	17491	8918	1386
00:22	MP24721-S1	2957	17327	8802	1331
00:26	MP24721-S2	2951	17487	8828	1329
00:30	FA2284-1F	3013	17512	8937	1414
00:35	MP24721-D2	3045	17769	8976	1422
00:39	MP24721-SD2	2989	17318	8672	1401
00:44	MP24721-PS2	3000	17607	8887	1381
00:48	MA10577-CCV19	2890	17230	8622	1276
00:52	MA10577-CCB19	2975	16819	8424	1414
00:57	MP24721-S3	2915	16976	8413	1328

INTERNAL STANDARD SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:01	MP24721-S4	2936	17106	8728	1331
01:05	ZZZZZZ	2974	17075	8788	1403
01:10	ZZZZZZ	2997	17374	8883	1406
01:14	ZZZZZZ	2989	17357	8951	1403
01:19	ZZZZZZ	2974	17337	8776	1398
01:23	ZZZZZZ	3024	17672	8963	1417
01:28	ZZZZZZ	2978	17433	8913	1395
01:32	ZZZZZZ	3005	17595	8906	1407
01:37	ZZZZZZ	2985	17344	8825	1402
01:41	MA10577-CCV20	2855	16561	8323	1280
01:46	MA10577-CCB20	2945	16598	8523	1410
01:50	ZZZZZZ	2970	16928	8756	1414
01:55	ZZZZZZ	2961	16964	8811	1408
01:59	ZZZZZZ	2986	17306	8991	1418
02:04	ZZZZZZ	2992	17323	9014	1418
02:08	ZZZZZZ	2982	17378	8957	1422
02:13	ZZZZZZ	2978	17245	8850	1409
02:17	FA2220-1F	2983	17344	8882	1413
02:22	ZZZZZZ	2971	17172	8803	1406
02:27	MA10577-CRIA2	2942	17080	8589	1384
02:31	MA10577-ICSA2	2670	16068	8329	1129
02:36	MA10577-CCV21	2885	17277	8700	1283
02:40	MA10577-CCB21	2969	17024	8630	1409
02:45	MA10577-ICSAB2	2634	15459	8034	1118
02:49	MA10577-CCV22	2846	16548	8509	1287
02:54	MA10577-CCB22	2924	16623	8640	1408

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			09:09		09:51		10:45		11:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-5.6	<200	-3.3	<200	2.1	<200	-3.7	<200
Antimony	6.0	1.3	1.0	<6.0	0.90	<6.0	0.0	<6.0	-0.50	<6.0
Arsenic	10	1.6	-0.10	<10	0.0	<10	-0.70	<10	1.3	<10
Barium	200	1	-0.10	<200	0.30	<200	0.30	<200	0.20	<200
Beryllium	4.0	.5	0.0	<4.0	0.40	<4.0	0.40	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	1.6	<1000	11.1	<1000	11.5	<1000	7.6	<1000
Chromium	10	1.8	0.60	<10	0.70	<10	0.50	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	5.1	<300	12.4	<300	16.4	<300	11.4	<300
Lead	5.0	1.1	0.10	<5.0	-0.80	<5.0	-0.50	<5.0	-0.10	<5.0
Magnesium	5000	74	-6.8	<5000	0.30	<5000	0.90	<5000	0.80	<5000
Manganese	15	.7	0.0	<15	0.30	<15	0.30	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.20	<40	0.30	<40	0.20	<40	0.40	<40
Potassium	10000	200	3.4	<10000	-3.7	<10000	21.5	<10000	13.0	<10000
Selenium	10	2	-1.9	<10	1.3	<10	1.1	<10	-1.9	<10
Silver	10	.5	anr							
Sodium	10000	500	0.60	<10000	13.2	<10000	18.3	<10000	5.7	<10000
Strontium	10	.5								
Thallium	10	1.3	0.30	<10	-1.0	<10	-1.1	<10	-0.10	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.10	<50	0.30	<50	0.30	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			12:10		12:50		13:43		14:38	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.30	<200	0.80	<200	-7.9	<200	7.7	<200
Antimony	6.0	1.3	-0.10	<6.0	1.4	<6.0	0.80	<6.0	0.80	<6.0
Arsenic	10	1.6	1.2	<10	0.30	<10	0.70	<10	0.50	<10
Barium	200	1	0.10	<200	0.30	<200	0.10	<200	0.40	<200
Beryllium	4.0	.5	0.10	<4.0	0.20	<4.0	0.10	<4.0	0.40	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	18.7	<1000	6.2	<1000	2.6	<1000	11.0	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	-0.30	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	11.2	<300	7.8	<300	3.4	<300	9.5	<300
Lead	5.0	1.1	0.60	<5.0	0.30	<5.0	0.20	<5.0	0.40	<5.0
Magnesium	5000	74	-6.7	<5000	8.3	<5000	5.2	<5000	9.1	<5000
Manganese	15	.7	0.10	<15	0.10	<15	0.0	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.0	<40	0.0	<40	0.10	<40	0.10	<40
Potassium	10000	200	14.6	<10000	6.9	<10000	21.2	<10000	25.9	<10000
Selenium	10	2	-0.10	<10	-1.2	<10	-1.0	<10	0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	0.10	<10000	3.2	<10000	4.1	<10000	7.4	<10000
Strontium	10	.5								
Thallium	10	1.3	0.70	<10	0.0	<10	0.60	<10	0.10	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.20	<50	0.40	<50	0.30	<50	0.60	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			15:32		16:26		16:50		17:43	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.9	<200	7.9	<200	9.5	<200	16.1	<200
Antimony	6.0	1.3	0.80	<6.0	1.1	<6.0	0.20	<6.0	1.4	<6.0
Arsenic	10	1.6	0.60	<10	0.50	<10	-0.30	<10	-0.30	<10
Barium	200	1	0.40	<200	0.60	<200	0.30	<200	0.30	<200
Beryllium	4.0	.5	0.40	<4.0	0.40	<4.0	0.30	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	6.0	<1000	11.4	<1000	6.7	<1000	10.4	<1000
Chromium	10	1.8	0.30	<10	0.50	<10	0.50	<10	0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.2	<300	12.1	<300	11.9	<300	14.9	<300
Lead	5.0	1.1	0.20	<5.0	0.50	<5.0	0.10	<5.0	1.0	<5.0
Magnesium	5000	74	-0.10	<5000	1.3	<5000	13.1	<5000	5.5	<5000
Manganese	15	.7	0.20	<15	0.30	<15	0.20	<15	0.20	<15
Molybdenum	50	.6								
Nickel	40	.5	0.20	<40	0.0	<40	0.0	<40	0.0	<40
Potassium	10000	200	19.5	<10000	17.2	<10000	60.2	<10000	4.2	<10000
Selenium	10	2	-1.4	<10	-0.40	<10	-1.2	<10	-3.6	<10
Silver	10	.5	anr							
Sodium	10000	500	8.9	<10000	16.6	<10000	11.9	<10000	13.6	<10000
Strontium	10	.5								
Thallium	10	1.3	0.10	<10	0.0	<10	-0.90	<10	-0.30	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.70	<50	0.60	<50	0.10	<50	0.20	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			18:36		19:31		20:24		21:18	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.9	<200	13.5	<200	10.5	<200	13.3	<200
Antimony	6.0	1.3	1.1	<6.0	0.50	<6.0	0.0	<6.0	1.4	<6.0
Arsenic	10	1.6	0.0	<10	-0.40	<10	-0.20	<10	0.10	<10
Barium	200	1	0.10	<200	0.10	<200	0.0	<200	0.50	<200
Beryllium	4.0	.5	0.10	<4.0	0.10	<4.0	0.10	<4.0	0.60	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.40	<5.0
Calcium	1000	50	6.6	<1000	6.7	<1000	6.7	<1000	15.2	<1000
Chromium	10	1.8	0.20	<10	0.20	<10	0.10	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.6	<300	9.2	<300	8.0	<300	17.5	<300
Lead	5.0	1.1	0.40	<5.0	-0.10	<5.0	0.0	<5.0	0.70	<5.0
Magnesium	5000	74	6.1	<5000	1.0	<5000	8.4	<5000	11.6	<5000
Manganese	15	.7	0.10	<15	0.0	<15	0.0	<15	0.60	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.10	<40	0.0	<40	0.10	<40	0.30	<40
Potassium	10000	200	30.9	<10000	28.5	<10000	27.1	<10000	25.5	<10000
Selenium	10	2	-2.7	<10	-1.4	<10	-0.90	<10	-0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	13.1	<10000	9.5	<10000	1.4	<10000	15.8	<10000
Strontium	10	.5								
Thallium	10	1.3	-1.8	<10	-0.90	<10	-1.4	<10	-1.5	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.0	<50	0.20	<50	0.10	<50	0.20	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			22:11		23:05		23:59		00:52	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	16.9	<200	14.0	<200	14.1	<200	10.2	<200
Antimony	6.0	1.3	0.60	<6.0	0.80	<6.0	0.40	<6.0	0.0	<6.0
Arsenic	10	1.6	-0.30	<10	0.20	<10	0.50	<10	-0.10	<10
Barium	200	1	0.20	<200	0.50	<200	0.30	<200	0.20	<200
Beryllium	4.0	.5	0.20	<4.0	0.50	<4.0	0.20	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.30	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	9.0	<1000	14.1	<1000	9.8	<1000	9.3	<1000
Chromium	10	1.8	0.30	<10	0.30	<10	0.30	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	12.7	<300	16.9	<300	14.0	<300	11.7	<300
Lead	5.0	1.1	0.20	<5.0	0.50	<5.0	0.30	<5.0	0.70	<5.0
Magnesium	5000	74	5.4	<5000	10.2	<5000	8.6	<5000	17.2	<5000
Manganese	15	.7	0.20	<15	0.50	<15	0.20	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	0.10	<40	0.20	<40	0.0	<40	-0.10	<40
Potassium	10000	200	47.1	<10000	39.8	<10000	37.1	<10000	21.9	<10000
Selenium	10	2	-5.0	<10	-1.6	<10	-3.5	<10	-1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	11.7	<10000	12.2	<10000	9.4	<10000	4.1	<10000
Strontium	10	.5								
Thallium	10	1.3	-1.4	<10	-0.80	<10	-1.7	<10	-0.20	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.20	<50	0.30	<50	0.0	<50	0.0	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			01:46		02:40		02:54	
Sample ID:			CCB20		CCB21		CCB22	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	17.7	<200	15.7	<200	19.9	<200
Antimony	6.0	1.3	1.7	<6.0	0.40	<6.0	1.6	<6.0
Arsenic	10	1.6	-0.40	<10	0.40	<10	0.10	<10
Barium	200	1	0.70	<200	0.60	<200	0.60	<200
Beryllium	4.0	.5	0.40	<4.0	0.50	<4.0	0.50	<4.0
Cadmium	5.0	.5	0.30	<5.0	0.30	<5.0	0.20	<5.0
Calcium	1000	50	33.9	<1000	37.1	<1000	36.7	<1000
Chromium	10	1.8	0.50	<10	0.20	<10	0.40	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	17.8	<300	21.7	<300	22.7	<300
Lead	5.0	1.1	0.80	<5.0	0.80	<5.0	0.30	<5.0
Magnesium	5000	74	4.2	<5000	17.9	<5000	11.4	<5000
Manganese	15	.7	0.60	<15	0.50	<15	0.50	<15
Molybdenum	50	.6						
Nickel	40	.5	0.30	<40	0.20	<40	0.30	<40
Potassium	10000	200	47.3	<10000	2.6	<10000	18.6	<10000
Selenium	10	2	-2.4	<10	-2.3	<10	-2.3	<10
Silver	10	.5	anr					
Sodium	10000	500	17.0	<10000	13.1	<10000	14.7	<10000
Strontium	10	.5						
Thallium	10	1.3	-1.4	<10	-0.90	<10	-1.5	<10
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5	0.40	<50	0.10	<50	0.20	<50
Zinc	20	3	anr					

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		09:01			09:41			10:41	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42100	105.3	40000	42100	105.3	40000	43600	109.0
Antimony	2000	2080	104.0	2000	2070	103.5	2000	2060	103.0
Arsenic	2000	2040	102.0	2000	2070	103.5	2000	2060	103.0
Barium	2000	2140	107.0	2000	2110	105.5	2000	2110	105.5
Beryllium	2000	2160	108.0	2000	2140	107.0	2000	2150	107.5
Cadmium	2000	2100	105.0	2000	2100	105.0	2000	2100	105.0
Calcium	40000	43200	108.0	40000	42600	106.5	40000	43700	109.3
Chromium	2000	2120	106.0	2000	2090	104.5	2000	1960	98.0
Cobalt	anr								
Copper	anr								
Iron	40000	42200	105.5	40000	42500	106.3	40000	41600	104.0
Lead	2000	2070	103.5	2000	2110	105.5	2000	2150	107.5
Magnesium	40000	40700	101.8	40000	42100	105.3	40000	43000	107.5
Manganese	2000	2100	105.0	2000	2080	104.0	2000	1950	97.5
Molybdenum									
Nickel	2000	2120	106.0	2000	2110	105.5	2000	2120	106.0
Potassium	40000	41800	104.5	40000	42000	105.0	40000	43300	108.3
Selenium	2000	2110	105.5	2000	2060	103.0	2000	2040	102.0
Silver	anr								
Sodium	40000	42000	105.0	40000	42100	105.3	40000	43000	107.5
Strontium									
Thallium	2000	2170	108.5	2000	2110	105.5	2000	2160	108.0
Tin									
Titanium									
Vanadium	2000	2000	100.0	2000	2130	106.5	2000	2070	103.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		11:09			12:06			12:39	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39500	98.8	40000	39800	99.5
Antimony	2000	1960	98.0	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	1970	98.5	2000	2040	102.0	2000	2020	101.0
Barium	2000	1980	99.0	2000	2060	103.0	2000	2060	103.0
Beryllium	2000	2010	100.5	2000	2060	103.0	2000	2070	103.5
Cadmium	2000	2000	100.0	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40000	100.0	40000	40400	101.0	40000	40600	101.5
Chromium	2000	2000	100.0	2000	2180	109.0	2000	2120	106.0
Cobalt	anr								
Copper	anr								
Iron	40000	40100	100.3	40000	41800	104.5	40000	41500	103.8
Lead	2000	1980	99.0	2000	1980	99.0	2000	1990	99.5
Magnesium	40000	39600	99.0	40000	40400	101.0	40000	40600	101.5
Manganese	2000	2000	100.0	2000	2200	110.0	2000	2120	106.0
Molybdenum									
Nickel	2000	1990	99.5	2000	2030	101.5	2000	2040	102.0
Potassium	40000	39500	98.8	40000	39900	99.8	40000	40100	100.3
Selenium	2000	1980	99.0	2000	2060	103.0	2000	2040	102.0
Silver	anr								
Sodium	40000	39600	99.0	40000	40100	100.3	40000	40400	101.0
Strontium									
Thallium	2000	1990	99.5	2000	1990	99.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	2020	101.0	2000	2130	106.5	2000	2090	104.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		13:39			14:33			15:28	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	39300	98.3	40000	39200	98.0
Antimony	2000	1980	99.0	2000	1960	98.0	2000	1980	99.0
Arsenic	2000	1990	99.5	2000	1960	98.0	2000	1990	99.5
Barium	2000	1950	97.5	2000	1970	98.5	2000	1960	98.0
Beryllium	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Cadmium	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0
Calcium	40000	40200	100.5	40000	39700	99.3	40000	40000	100.0
Chromium	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	39300	98.3	40000	39200	98.0	40000	39500	98.8
Lead	2000	2030	101.5	2000	1990	99.5	2000	2020	101.0
Magnesium	40000	39200	98.0	40000	39000	97.5	40000	39200	98.0
Manganese	2000	1960	98.0	2000	1980	99.0	2000	1990	99.5
Molybdenum									
Nickel	2000	2030	101.5	2000	2000	100.0	2000	2020	101.0
Potassium	40000	40500	101.3	40000	40300	100.8	40000	40700	101.8
Selenium	2000	1990	99.5	2000	1970	98.5	2000	1990	99.5
Silver	anr								
Sodium	40000	40800	102.0	40000	40500	101.3	40000	40800	102.0
Strontium									
Thallium	2000	2040	102.0	2000	2000	100.0	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	2040	102.0	2000	2020	101.0	2000	2050	102.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		16:22			16:46			17:39	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	40600	101.5	40000	40200	100.5
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	2050	102.5	2000	2010	100.5	2000	2020	101.0
Barium	2000	2030	101.5	2000	2070	103.5	2000	2040	102.0
Beryllium	2000	2040	102.0	2000	2080	104.0	2000	2080	104.0
Cadmium	2000	2090	104.5	2000	2050	102.5	2000	2070	103.5
Calcium	40000	40100	100.3	40000	41100	102.8	40000	41500	103.8
Chromium	2000	2180	109.0	2000	2090	104.5	2000	2140	107.0
Cobalt	anr								
Copper	anr								
Iron	40000	41000	102.5	40000	41500	103.8	40000	41900	104.8
Lead	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Magnesium	40000	39800	99.5	40000	41200	103.0	40000	41700	104.3
Manganese	2000	2150	107.5	2000	2110	105.5	2000	2140	107.0
Molybdenum									
Nickel	2000	2060	103.0	2000	2040	102.0	2000	2050	102.5
Potassium	40000	40900	102.3	40000	40400	101.0	40000	40600	101.5
Selenium	2000	2070	103.5	2000	2020	101.0	2000	2030	101.5
Silver	anr								
Sodium	40000	41200	103.0	40000	40500	101.3	40000	40600	101.5
Strontium									
Thallium	2000	2020	101.0	2000	2010	100.5	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	2130	106.5	2000	2080	104.0	2000	2110	105.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		18:32			19:26			20:20	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39600	99.0	40000	39500	98.8
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2010	100.5
Barium	2000	2030	101.5	2000	2050	102.5	2000	2000	100.0
Beryllium	2000	2060	103.0	2000	2070	103.5	2000	2040	102.0
Cadmium	2000	2070	103.5	2000	2080	104.0	2000	2060	103.0
Calcium	40000	40500	101.3	40000	40800	102.0	40000	40600	101.5
Chromium	2000	2140	107.0	2000	2160	108.0	2000	2110	105.5
Cobalt	anr								
Copper	anr								
Iron	40000	41400	103.5	40000	41700	104.3	40000	40900	102.3
Lead	2000	2000	100.0	2000	2000	100.0	2000	2010	100.5
Magnesium	40000	40400	101.0	40000	41000	102.5	40000	40500	101.3
Manganese	2000	2140	107.0	2000	2170	108.5	2000	2090	104.5
Molybdenum									
Nickel	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0
Potassium	40000	40000	100.0	40000	40100	100.3	40000	40000	100.0
Selenium	2000	2050	102.5	2000	2050	102.5	2000	2020	101.0
Silver	anr								
Sodium	40000	40100	100.3	40000	40100	100.3	40000	39900	99.8
Strontium									
Thallium	2000	2000	100.0	2000	2000	100.0	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	2110	105.5	2000	2120	106.0	2000	2090	104.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		21:13			22:07			23:01	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40100	100.3	40000	40700	101.8
Antimony	2000	2020	101.0	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2040	102.0
Barium	2000	2050	102.5	2000	2040	102.0	2000	2060	103.0
Beryllium	2000	2090	104.5	2000	2070	103.5	2000	2090	104.5
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2070	103.5
Calcium	40000	41500	103.8	40000	40900	102.3	40000	41400	103.5
Chromium	2000	2100	105.0	2000	2090	104.5	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	41600	104.0	40000	41300	103.3	40000	41400	103.5
Lead	2000	2030	101.5	2000	2010	100.5	2000	2040	102.0
Magnesium	40000	41500	103.8	40000	40800	102.0	40000	41100	102.8
Manganese	2000	2100	105.0	2000	2090	104.5	2000	2070	103.5
Molybdenum									
Nickel	2000	2050	102.5	2000	2040	102.0	2000	2060	103.0
Potassium	40000	40800	102.0	40000	40400	101.0	40000	40900	102.3
Selenium	2000	2030	101.5	2000	2040	102.0	2000	2050	102.5
Silver	anr								
Sodium	40000	40600	101.5	40000	40300	100.8	40000	40700	101.8
Strontium									
Thallium	2000	2040	102.0	2000	2030	101.5	2000	2050	102.5
Tin									
Titanium									
Vanadium	2000	2100	105.0	2000	2090	104.5	2000	2080	104.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		23:55			00:48			01:41	
Sample ID:	CCV	CCV18		CCV	CCV19		CCV	CCV20	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40600	101.5	40000	40500	101.3
Antimony	2000	2030	101.5	2000	2050	102.5	2000	2070	103.5
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2070	103.5
Barium	2000	2070	103.5	2000	2060	103.0	2000	2110	105.5
Beryllium	2000	2090	104.5	2000	2090	104.5	2000	2110	105.5
Cadmium	2000	2060	103.0	2000	2070	103.5	2000	2090	104.5
Calcium	40000	41500	103.8	40000	41200	103.0	40000	41300	103.3
Chromium	2000	2050	102.5	2000	2080	104.0	2000	2180	109.0
Cobalt	anr								
Copper	anr								
Iron	40000	41300	103.3	40000	41300	103.3	40000	42300	105.8
Lead	2000	2030	101.5	2000	2030	101.5	2000	2020	101.0
Magnesium	40000	41400	103.5	40000	41100	102.8	40000	41600	104.0
Manganese	2000	2070	103.5	2000	2100	105.0	2000	2200	110.0
Molybdenum									
Nickel	2000	2050	102.5	2000	2060	103.0	2000	2070	103.5
Potassium	40000	41000	102.5	40000	40700	101.8	40000	40800	102.0
Selenium	2000	2040	102.0	2000	2040	102.0	2000	2070	103.5
Silver	anr								
Sodium	40000	40800	102.0	40000	40600	101.5	40000	40700	101.8
Strontium									
Thallium	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	2070	103.5	2000	2090	104.5	2000	2140	107.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		02:36			02:49	
Sample ID:	CCV	CCV21		CCV	CCV22	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	39800	99.5
Antimony	2000	2060	103.0	2000	2070	103.5
Arsenic	2000	2050	102.5	2000	2070	103.5
Barium	2000	2060	103.0	2000	2080	104.0
Beryllium	2000	2080	104.0	2000	2080	104.0
Cadmium	2000	2070	103.5	2000	2090	104.5
Calcium	40000	40900	102.3	40000	40600	101.5
Chromium	2000	2090	104.5	2000	2190	109.5
Cobalt	anr					
Copper	anr					
Iron	40000	41400	103.5	40000	42000	105.0
Lead	2000	2010	100.5	2000	1990	99.5
Magnesium	40000	40700	101.8	40000	40600	101.5
Manganese	2000	2090	104.5	2000	2200	110.0
Molybdenum						
Nickel	2000	2060	103.0	2000	2070	103.5
Potassium	40000	40700	101.8	40000	40400	101.0
Selenium	2000	2070	103.5	2000	2100	105.0
Silver	anr					
Sodium	40000	40500	101.3	40000	40300	100.8
Strontium						
Thallium	2000	2030	101.5	2000	2010	100.5
Tin						
Titanium						
Vanadium	2000	2100	105.0	2000	2140	107.0
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10577 Units: ug/l

Time:		08:53	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	82300	102.9
Antimony	4000	4080	102.0
Arsenic	4000	4070	101.8
Barium	4000	4070	101.8
Beryllium	4000	3980	99.5
Cadmium	4000	4030	100.8
Calcium	80000	81900	102.4
Chromium	4000	4050	101.3
Cobalt	anr		
Copper	anr		
Iron	80000	81300	101.6
Lead	4000	4100	102.5
Magnesium	80000	82000	102.5
Manganese	4000	4020	100.5
Molybdenum			
Nickel	4000	4040	101.0
Potassium	80000	82500	103.1
Selenium	4000	4060	101.5
Silver	anr		
Sodium	80000	82300	102.9
Strontium			
Thallium	4000	4070	101.8
Tin			
Titanium			
Vanadium	4000	4050	101.3
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10577 Units: ug/l

Time:			09:14		02:27	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	211	105.5	216	108.0
Antimony	10	5.0	5.7	114.0	5.0	100.0
Arsenic	20	10	10.9	109.0	10.8	108.0
Barium	400	200	211	105.5	209	104.5
Beryllium	10	5.0	5.3	106.0	5.3	106.0
Cadmium	10	5.0	5.2	104.0	5.4	108.0
Calcium	2000	1000	1070	107.0	1060	106.0
Chromium	20	10	11.3	113.0	10.8	108.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	327	109.0	325	108.3
Lead	10	5.0	5.3	106.0	5.1	102.0
Magnesium	10000	5000	5200	104.0	5160	103.2
Manganese	30	15	16.3	108.7	16.6	110.7
Molybdenum	100	50				
Nickel	80	40	42.5	106.3	42.7	106.8
Potassium	20000	10000	10500	105.0	10500	105.0
Selenium	20	10	10.7	107.0	6.3	63.0*(a)
Silver	20	10	anr			
Sodium	20000	10000	10500	105.0	10300	103.0
Strontium	20	10				
Thallium	20	10	9.1	91.0	9.4	94.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	49.7	99.4	50.1	100.2
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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10577 Units: ug/l

Time:			09:22		09:33		02:31		02:45	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	512000	102.4	530000	106.0	501000	100.2	504000	100.8
Antimony		1000	1.1		1020	102.0	-0.10		1030	103.0
Arsenic		1000	0.0		993	99.3	0.10		1000	100.0
Barium		500	0.0		546	109.2	0.0		550	110.0
Beryllium		500	0.0		526	105.2	-0.10		521	104.2
Cadmium		1000	-0.10		959	95.9	-1.1		957	95.7
Calcium	500000	500000	485000	97.0	494000	98.8	478000	95.6	478000	95.6
Chromium		500	-0.20		493	98.6	-0.30		520	104.0
Cobalt		500	-0.70		484	96.8	-0.40		468	93.6
Copper		500	0.0		569	113.8	-0.90		582	116.4
Iron	200000	200000	195000	97.5	194000	97.0	194000	97.0	194000	97.0
Lead		1000	0.10		983	98.3	2.8		954	95.4
Magnesium	500000	500000	502000	100.4	513000	102.6	498000	99.6	502000	100.4
Manganese		500	0.60		508	101.6	-0.10		540	108.0
Molybdenum		1000	1.0		922	92.2	1.1		890	89.0
Nickel		1000	0.0		952	95.2	-0.20		943	94.3
Potassium			10.7		1.4		30.6		22.1	
Selenium		1000	0.0		980	98.0	-5.2		994	99.4
Silver		1000	-0.10		1110	111.0	-0.10		1090	109.0
Sodium			57.8		76.0		53.8		64.7	
Strontium		1000	11.5		1020	102.0	11.2		988	98.8
Thallium		1000	0.0		971	97.1	1.6		950	95.0
Tin		1000	-0.80		870	87.0	-0.40		851	85.1
Titanium		1000	-3.5		978	97.8	-3.2		1030	103.0
Vanadium		500	0.0		497	99.4	-0.10		503	100.6
Zinc		1000	0.0		959	95.9	0.20		950	95.0

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24689
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					02/27/13		02/27/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15	0.80	<200	-0.80	<200
Antimony	6.0	1.3	1.3	1.6	<6.0	2.1	<6.0
Arsenic	10	1.6	2.5	-0.30	<10	-1.4	<10
Barium	200	1	1	0.0	<200	0.10	<200
Beryllium	4.0	.5	.5	0.0	<4.0	0.0	<4.0
Cadmium	5.0	.5	.5	0.0	<5.0	-0.10	<5.0
Calcium	1000	50	50	17.1	<1000	14.8	<1000
Chromium	10	1.8	2	-0.40	<10	-0.40	<10
Cobalt	50	.5	.5				
Copper	25	1	1				
Iron	300	29	29	9.6	<300	9.6	<300
Lead	5.0	1.1	1.1	0.90	<5.0	-0.30	<5.0
Magnesium	5000	74	74	13.2	<5000	18.4	<5000
Manganese	15	.7	.7	0.10	<15	0.10	<15
Molybdenum	50	.6	1				
Nickel	40	.5	.5	-0.40	<40	-0.60	<40
Potassium	10000	200	200	-12	<10000	0.30	<10000
Selenium	10	2	2	-0.10	<10	-1.4	<10
Silver	10	.5	.5				
Sodium	10000	500	500	14.2	<10000	20.0	<10000
Strontium	10	.5	.5				
Thallium	10	1.3	1.3	-0.60	<10	-1.6	<10
Tin	50	.7	1.8				
Titanium	10	.9	1				
Vanadium	50	.5	1	0.20	<50	0.0	<50
Zinc	20	3	5				

Associated samples MP24689: FA2088-7, FA2088-8

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24689
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/27/13					02/27/13	
Metal	FA2092-1F Original	DUP	RPD	QC Limits	FA2092-1F Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	412	412	0.0	0-20	412	27400	27000	100.0	80-120
Antimony	2.3	2.1	9.1	0-20	2.3	525	500	104.5	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2020	2000	101.0	80-120
Barium	51.0	50.5	1.0	0-20	51.0	2170	2000	106.0	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	51.2	50	102.4	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	51.6	50	103.2	80-120
Calcium	4680	4640	0.9	0-20	4680	29200	25000	98.1	80-120
Chromium	0.0	0.0	NC	0-20	0.0	208	200	104.0	80-120
Cobalt									
Copper	anr								
Iron	560	551	1.6	0-20	560	26500	26000	99.8	80-120
Lead	7.3	7.4	1.4	0-20	7.3	483	500	95.1	80-120
Magnesium	1540	1540	0.0	0-20	1540	24900	25000	93.4	80-120
Manganese	50.3	49.8	1.0	0-20	50.3	565	500	102.9	80-120
Molybdenum									
Nickel	1.4	1.9	30.3 (a)	0-20	1.4	538	500	107.3	80-120
Potassium	3170	3170	0.0	0-20	3170	29200	25000	104.1	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2080	2000	104.0	80-120
Silver	anr								
Sodium	850	857	0.8	0-20	850	27300	25000	105.8	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	1960	2000	98.0	80-120
Tin									
Titanium									
Vanadium	1.6	1.6	0.0	0-20	1.6	500	500	99.7	80-120
Zinc	anr								

Associated samples MP24689: FA2088-7, FA2088-8

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24689
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/13

Metal	FA2092-1F Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	412	26200	27000	95.5	4.5	20
Antimony	2.3	500	500	99.5	4.9	20
Arsenic	0.0	1920	2000	96.0	5.1	20
Barium	51.0	2080	2000	101.5	4.2	20
Beryllium	0.0	48.9	50	97.8	4.6	20
Cadmium	0.0	49.1	50	98.2	5.0	20
Calcium	4680	27900	25000	92.9	4.6	20
Chromium	0.0	200	200	100.0	3.9	20
Cobalt						
Copper	anr					
Iron	560	25300	26000	95.2	4.6	20
Lead	7.3	459	500	90.3	5.1	20
Magnesium	1540	23800	25000	89.0	4.5	20
Manganese	50.3	539	500	97.7	4.7	20
Molybdenum						
Nickel	1.4	512	500	102.1	5.0	20
Potassium	3170	27900	25000	98.9	4.6	20
Selenium	0.0	1970	2000	98.5	5.4	20
Silver	anr					
Sodium	850	26100	25000	101.0	4.5	20
Strontium						
Thallium	0.0	1870	2000	93.5	4.7	20
Tin						
Titanium						
Vanadium	1.6	479	500	95.5	4.3	20
Zinc	anr					

Associated samples MP24689: FA2088-7, FA2088-8

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24689
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	27100	27000	100.4	80-120
Antimony	523	500	104.6	80-120
Arsenic	2030	2000	101.5	80-120
Barium	2110	2000	105.5	80-120
Beryllium	51.3	50	102.6	80-120
Cadmium	51.8	50	103.6	80-120
Calcium	24800	25000	99.2	80-120
Chromium	211	200	105.5	80-120
Cobalt				
Copper	anr			
Iron	25900	26000	99.6	80-120
Lead	481	500	96.2	80-120
Magnesium	23500	25000	94.0	80-120
Manganese	521	500	104.2	80-120
Molybdenum				
Nickel	538	500	107.6	80-120
Potassium	26200	25000	104.8	80-120
Selenium	2060	2000	103.0	80-120
Silver	anr			
Sodium	26400	25000	105.6	80-120
Strontium				
Thallium	1990	2000	99.5	80-120
Tin				
Titanium				
Vanadium	509	500	101.8	80-120
Zinc	anr			

Associated samples MP24689: FA2088-7, FA2088-8

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24689
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/13

Metal	FA2092-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum	412	394	4.4	0-10
Antimony	2.30	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	51.0	50.8	0.4	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	4680	4960	6.1	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	560	549	1.9	0-10
Lead	7.30	6.70	8.2	0-10
Magnesium	1540	1630	5.6	0-10
Manganese	50.3	49.9	0.8	0-10
Molybdenum				
Nickel	1.40	0.00	100.0(a)	0-10
Potassium	3170	3090	2.6	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	850	0.00	100.0(a)	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	1.60	0.00	100.0(a)	0-10
Zinc	anr			

Associated samples MP24689: FA2088-7, FA2088-8

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24689
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/27/13

Metal	Sample ml	Final ml	FA2092-1F Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	412.4	404.152	2837	0.2	125	2500	97.3	80-120
Antimony	9.8	10	2.3	2.254	103.9	0.2	5	100	101.6	80-120
Arsenic	9.8	10	0	0	99.9	0.2	5	100	99.9	80-120
Barium	9.8	10	51	49.98	303.8	0.2	12.5	250	101.5	80-120
Beryllium	9.8	10	0	0	50.4	0.2	2.5	50	100.8	80-120
Cadmium	9.8	10	0	0	53.4	0.2	2.5	50	106.8	80-120
Calcium	9.8	10	4679	4585.42	10070	0.2	250	5000	109.7	80-120
Chromium	9.8	10	0	0	52.4	0.2	2.5	50	104.8	80-120
Cobalt										
Copper										
Iron	9.8	10	559.8	548.604	3502	0.2	150	3000	98.4	80-120
Lead	9.8	10	7.3	7.154	53.4	0.2	2.5	50	92.5	80-120
Magnesium	9.8	10	1539	1508.22	6039	0.2	250	5000	90.6	80-120
Manganese	9.8	10	50.3	49.294	100.4	0.2	2.5	50	102.2	80-120
Molybdenum										
Nickel	9.8	10	1.4	1.372	107.7	0.2	5	100	106.3	80-120
Potassium	9.8	10	3172	3108.56	13550	0.2	500	10000	104.4	80-120
Selenium	9.8	10	0	0	101.1	0.2	5	100	101.1	80-120
Silver										
Sodium	9.8	10	850.3	833.294	11390	0.2	500	10000	105.6	80-120
Strontium										
Thallium	9.8	10	0	0	96.4	0.2	5	100	96.4	80-120
Tin										
Titanium										
Vanadium	9.8	10	1.6	1.568	50.8	0.2	2.5	50	98.5	80-120
Zinc										

Associated samples MP24689: FA2088-7, FA2088-8

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24696
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/28/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	0.82	<10
Antimony	1.0	.065	.095	-0.0050	<1.0
Arsenic	0.50	.08	.08	-0.010	<0.50
Barium	10	.05	.25	0.0	<10
Beryllium	0.25	.025	.025	-0.0050	<0.25
Cadmium	0.20	.025	.025	0.0	<0.20
Calcium	250	2.5	2.5	1.5	<250
Chromium	0.50	.09	.09	0.0	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	0.75	<15
Lead	1.0	.055	.055	-0.010	<1.0
Magnesium	250	3.7	3.8	0.75	<250
Manganese	0.75	.035	.045	0.010	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	-0.015	<2.0
Potassium	500	10	10	1.1	<500
Selenium	1.0	.1	.15	-0.045	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	-0.17	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.065	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	0.010	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24696: FA2088-1, FA2088-2, FA2088-3, FA2088-4

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24696
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			02/28/13					02/28/13	
Metal	FA2155-1 Original	DUP	RPD	QC Limits	FA2155-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	921	975	5.7	0-20	921	2050	1020	110.3	80-120
Antimony	0.13	0.0	200.0(a)	0-20	0.13	15.3	18.9	80.1	80-120
Arsenic	0.83	0.72	14.2	0-20	0.83	70.9	75.8	92.4	80-120
Barium	2.4	2.5	4.1	0-20	2.4	79.5	75.8	101.7	80-120
Beryllium	0.0	0.016	200.0(a)	0-20	0.0	1.9	1.89	100.3	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	1.8	1.89	95.0	80-120
Calcium	257	312	19.3	0-20	257	1160	947	95.3	80-120
Chromium	3.9	2.0	64.4*(b)	0-20	3.9	9.7	7.58	76.5N(c)	80-120
Cobalt									
Copper	anr								
Iron	704	676	4.1	0-20	704	1610	985	91.9	80-120
Lead	6.2	5.4	13.8	0-20	6.2	23.8	18.9	92.9	80-120
Magnesium	34.3	35.7	4.0	0-20	34.3	902	947	91.6	80-120
Manganese	20.2	18.6	8.2	0-20	20.2	40.6	18.9	107.7	80-120
Molybdenum									
Nickel	0.24	0.27	11.8	0-20	0.24	19.4	18.9	101.1	80-120
Potassium	21.8	21.1	3.3	0-20	21.8	936	947	96.5	80-120
Selenium	0.0	0.0	NC	0-20	0.0	70.2	75.8	92.6	80-120
Silver	anr								
Sodium	0.0	0.0	NC	0-20	0.0	927	947	97.8	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	70.3	75.8	92.7	80-120
Tin	anr								
Titanium									
Vanadium	1.0	1.0	0.0	0-20	1.0	19.3	18.9	96.6	80-120
Zinc									

Associated samples MP24696: FA2088-1, FA2088-2, FA2088-3, FA2088-4

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) High RPD due to possible sample nonhomogeneity.
(c) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24696
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/28/13

Metal	FA2155-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	921	2010	1020	107.2	2.0	20
Antimony	0.13	14.1	18.8	74.3N(a)	8.2	20
Arsenic	0.83	70.1	75.2	92.1	1.1	20
Barium	2.4	76.2	75.2	98.1	4.2	20
Beryllium	0.0	1.9	1.88	101.0	0.0	20
Cadmium	0.0	1.8	1.88	95.7	0.0	20
Calcium	257	1160	941	96.0	0.0	20
Chromium	3.9	9.2	7.52	70.4N(a)	5.3	20
Cobalt						
Copper	anr					
Iron	704	1590	978	90.6	1.3	20
Lead	6.2	23.5	18.8	92.0	1.3	20
Magnesium	34.3	887	941	90.7	1.7	20
Manganese	20.2	37.2	18.8	90.4	8.7	20
Molybdenum						
Nickel	0.24	19.0	18.8	99.7	2.1	20
Potassium	21.8	915	941	95.0	2.3	20
Selenium	0.0	71.1	75.2	94.5	1.3	20
Silver	anr					
Sodium	0.0	902	941	95.9	2.7	20
Strontium						
Thallium	0.0	71.2	75.2	94.6	1.3	20
Tin	anr					
Titanium						
Vanadium	1.0	18.7	18.8	94.1	3.2	20
Zinc						

Associated samples MP24696: FA2088-1, FA2088-2, FA2088-3, FA2088-4

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 recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24696
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/28/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1320	1350	97.8	80-120
Antimony	25.3	25	101.2	80-120
Arsenic	97.0	100	97.0	80-120
Barium	103	100	103.0	80-120
Beryllium	2.6	2.5	104.0	80-120
Cadmium	2.5	2.5	100.0	80-120
Calcium	1240	1250	99.2	80-120
Chromium	10.6	10	106.0	80-120
Cobalt				
Copper	anr			
Iron	1320	1300	101.5	80-120
Lead	23.6	25	94.4	80-120
Magnesium	1190	1250	95.2	80-120
Manganese	26.0	25	104.0	80-120
Molybdenum				
Nickel	26.0	25	104.0	80-120
Potassium	1250	1250	100.0	80-120
Selenium	96.0	100	96.0	80-120
Silver	anr			
Sodium	1250	1250	100.0	80-120
Strontium				
Thallium	96.9	100	96.9	80-120
Tin	anr			
Titanium				
Vanadium	24.7	25	98.8	80-120
Zinc				

Associated samples MP24696: FA2088-1, FA2088-2, FA2088-3, FA2088-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24696
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/13

Metal	FA2155-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	18100	19400	7.1	0-10
Antimony	2.50	0.00	100.0(a)	0-10
Arsenic	16.3	20.8	27.6 (a)	0-10
Barium	47.8	51.7	8.2	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	5050	5960	18.0*(b)	0-10
Chromium	76.1	81.1	6.6	0-10
Cobalt				
Copper	anr			
Iron	13800	15000	8.2	0-10
Lead	122	136	10.9*(b)	0-10
Magnesium	674	821	21.8 (a)	0-10
Manganese	397	425	7.1	0-10
Molybdenum				
Nickel	4.80	4.40	8.3	0-10
Potassium	427	0.00	100.0(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	0.00	0.00	NC	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin	anr			
Titanium				
Vanadium	20.0	21.3	6.5	0-10
Zinc				

Associated samples MP24696: FA2088-1, FA2088-2, FA2088-3, FA2088-4

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).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24696
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/13

Metal	Sample ml	Final ml	FA2155-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	18090	17728.2	20090	0.2	125	2500	94.5	80-120
Antimony	9.8	10	2.5	2.45	97	0.2	5	100	94.6	80-120
Arsenic	9.8	10	16.3	15.974	111.2	0.2	5	100	95.2	80-120
Barium	9.8	10	47.8	46.844	287.9	0.2	12.5	250	96.4	80-120
Beryllium	9.8	10	0	0	50.9	0.2	2.5	50	101.8	80-120
Cadmium	9.8	10	0	0	50	0.2	2.5	50	100.0	80-120
Calcium	9.8	10	5046	4945.08	10490	0.2	250	5000	110.9	80-120
Chromium	9.8	10	76.1	74.578	125.6	0.2	2.5	50	102.0	80-120
Cobalt										
Copper										
Iron	9.8	10	13830	13553.4	16370	0.2	150	3000	93.9	80-120
Lead	9.8	10	122.4	119.952	167.8	0.2	2.5	50	95.7	80-120
Magnesium	9.8	10	674.3	660.814	5242	0.2	250	5000	91.6	80-120
Manganese	9.8	10	397.1	389.158	427.9	0.2	2.5	50	77.5*(a)	80-120
Molybdenum										
Nickel	9.8	10	4.8	4.704	104.8	0.2	5	100	100.1	80-120
Potassium	9.8	10	427.3	418.754	10020	0.2	500	10000	96.0	80-120
Selenium	9.8	10	0	0	92.6	0.2	5	100	92.6	80-120
Silver										
Sodium	9.8	10	0	0	9727	0.2	500	10000	97.3	80-120
Strontium										
Thallium	9.8	10	0	0	91.3	0.2	5	100	91.3	80-120
Tin										
Titanium										
Vanadium	9.8	10	20	19.6	67.1	0.2	2.5	50	95.0	80-120
Zinc										

Associated samples MP24696: FA2088-1, FA2088-2, FA2088-3, FA2088-4

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.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24701
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 03/01/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	0.27	<10
Antimony	1.0	.065	.095	-0.025	<1.0
Arsenic	0.50	.08	.08	-0.11	<0.50
Barium	10	.05	.25	0.010	<10
Beryllium	0.25	.025	.025	0.0	<0.25
Cadmium	0.20	.025	.025	0.0050	<0.20
Calcium	250	2.5	2.5	3.1	<250
Chromium	0.50	.09	.09	0.015	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	1.0	<15
Lead	1.0	.055	.055	-0.040	<1.0
Magnesium	250	3.7	3.8	0.33	<250
Manganese	0.75	.035	.045	0.020	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	0.010	<2.0
Potassium	500	10	10	1.9	<500
Selenium	1.0	.1	.15	0.015	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	1.7	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.11	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	-0.015	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24701: FA2088-5, FA2088-6

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24701
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			03/01/13					03/01/13	
Metal	FA2167-1 Original	DUP	RPD	QC Limits	FA2167-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1600	1690	5.5	0-20	1600	2600	1030	97.5	80-120
Antimony	0.0	0.0	NC	0-20	0.0	16.4	19	86.4	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	69.2	76	91.1	80-120
Barium	0.61	0.62	1.6	0-20	0.61	82.0	76	107.1	80-120
Beryllium	0.018	0.019	5.4	0-20	0.018	2.0	1.9	104.4	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	1.8	1.9	94.8	80-120
Calcium	52.6	62.1	16.6	0-20	52.6	990	950	98.7	80-120
Chromium	1.8	2.1	15.4	0-20	1.8	9.4	7.6	100.0	80-120
Cobalt									
Copper	anr								
Iron	67.3	70.7	4.9	0-20	67.3	1050	988	99.5	80-120
Lead	0.74	0.77	4.0	0-20	0.74	18.1	19	91.4	80-120
Magnesium	5.5	6.7	19.7	0-20	5.5	920	950	96.3	80-120
Manganese	0.10	0.11	9.5	0-20	0.10	20.0	19	104.8	80-120
Molybdenum									
Nickel	0.56	0.57	1.8	0-20	0.56	19.4	19	99.2	80-120
Potassium	9.1	9.2	1.1	0-20	9.1	956	950	99.7	80-120
Selenium	0.0	0.0	NC	0-20	0.0	69.8	76	91.9	80-120
Silver	anr								
Sodium	0.0	0.0	NC	0-20	0.0	941	950	99.1	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	71.7	76	94.4	80-120
Tin	anr								
Titanium									
Vanadium	0.95	1.0	5.1	0-20	0.95	19.7	19	98.7	80-120
Zinc									

Associated samples MP24701: FA2088-5, FA2088-6

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24701
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 03/01/13

Metal	FA2167-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	1600	2800	1220	98.5	7.4	20
Antimony	0.0	19.5	22.6	86.5	17.3	20
Arsenic	0.0	80.5	90.2	89.2	15.1	20
Barium	0.61	93.4	90.2	102.9	13.0	20
Beryllium	0.018	2.3	2.26	101.2	14.0	20
Cadmium	0.0	2.0	2.26	88.7	10.5	20
Calcium	52.6	1130	1130	95.5	13.2	20
Chromium	1.8	10.7	9.02	98.7	12.9	20
Cobalt						
Copper	anr					
Iron	67.3	1180	1170	94.9	11.7	20
Lead	0.74	20.9	22.6	89.4	14.4	20
Magnesium	5.5	1040	1130	91.7	12.2	20
Manganese	0.10	22.5	22.6	99.3	11.8	20
Molybdenum						
Nickel	0.56	22.3	22.6	96.4	13.9	20
Potassium	9.1	1100	1130	96.7	14.0	20
Selenium	0.0	81.3	90.2	90.1	15.2	20
Silver	anr					
Sodium	0.0	1090	1130	96.7	14.7	20
Strontium						
Thallium	0.0	82.9	90.2	91.9	14.5	20
Tin	anr					
Titanium						
Vanadium	0.95	22.2	22.6	94.2	11.9	20
Zinc						

Associated samples MP24701: FA2088-5, FA2088-6

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24701
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 03/01/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1380	1350	102.2	80-120
Antimony	24.6	25	98.4	80-120
Arsenic	94.1	100	94.1	80-120
Barium	109	100	109.0	80-120
Beryllium	2.6	2.5	104.0	80-120
Cadmium	2.4	2.5	96.0	80-120
Calcium	1220	1250	97.6	80-120
Chromium	10.3	10	103.0	80-120
Cobalt				
Copper	anr			
Iron	1290	1300	99.2	80-120
Lead	22.8	25	91.2	80-120
Magnesium	1190	1250	95.2	80-120
Manganese	26.5	25	106.0	80-120
Molybdenum				
Nickel	25.4	25	101.6	80-120
Potassium	1260	1250	100.8	80-120
Selenium	94.0	100	94.0	80-120
Silver	anr			
Sodium	1260	1250	100.8	80-120
Strontium				
Thallium	93.6	100	93.6	80-120
Tin	anr			
Titanium				
Vanadium	24.9	25	99.6	80-120
Zinc				

Associated samples MP24701: FA2088-5, FA2088-6

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24701
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/01/13

Metal	FA2167-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	44500	43900	1.2	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	16.9	17.4	3.0	0-10
Beryllium	0.500	0.00	100.0(a)	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	1460	1730	18.9 (a)	0-10
Chromium	49.1	48.0	2.2	0-10
Cobalt				
Copper	anr			
Iron	1870	1800	3.5	0-10
Lead	20.6	20.2	1.9	0-10
Magnesium	153	0.00	100.0(a)	0-10
Manganese	2.80	0.00	100.0(a)	0-10
Molybdenum				
Nickel	15.6	15.9	1.9	0-10
Potassium	253	0.00	100.0(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	0.00	0.00	NC	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin	anr			
Titanium				
Vanadium	26.3	24.6	6.5	0-10
Zinc				

Associated samples MP24701: FA2088-5, FA2088-6

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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24701
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/01/13

Metal	Sample ml	Final ml	FA2167-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	44470	43580.6	45990	0.2	125	2500	96.4	80-120
Antimony	9.8	10	0	0	91.6	0.2	5	100	91.6	80-120
Arsenic	9.8	10	0	0	90.2	0.2	5	100	90.2	80-120
Barium	9.8	10	16.9	16.562	268.9	0.2	12.5	250	100.9	80-120
Beryllium	9.8	10	0.5	0.49	51	0.2	2.5	50	101.0	80-120
Cadmium	9.8	10	0	0	46.6	0.2	2.5	50	93.2	80-120
Calcium	9.8	10	1458	1428.84	6939	0.2	250	5000	110.2	80-120
Chromium	9.8	10	49.1	48.118	97.4	0.2	2.5	50	98.6	80-120
Cobalt										
Copper										
Iron	9.8	10	1865	1827.7	4729	0.2	150	3000	96.7	80-120
Lead	9.8	10	20.6	20.188	64.4	0.2	2.5	50	88.4	80-120
Magnesium	9.8	10	152.5	149.45	4718	0.2	250	5000	91.4	80-120
Manganese	9.8	10	2.8	2.744	53.9	0.2	2.5	50	102.3	80-120
Molybdenum										
Nickel	9.8	10	15.6	15.288	110	0.2	5	100	94.7	80-120
Potassium	9.8	10	252.8	247.744	9922	0.2	500	10000	96.7	80-120
Selenium	9.8	10	0	0	88.1	0.2	5	100	88.1	80-120
Silver										
Sodium	9.8	10	0	0	9782	0.2	500	10000	97.8	80-120
Strontium										
Thallium	9.8	10	0	0	88	0.2	5	100	88.0	80-120
Tin										
Titanium										
Vanadium	9.8	10	26.3	25.774	73.6	0.2	2.5	50	95.7	80-120
Zinc										

Associated samples MP24701: FA2088-5, FA2088-6

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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2088
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
Fluoride	GP21105/GN54476	1.0	0.0	mg/kg	25.1	25.8	102.8	90-110%
Fluoride	GP21109/GN54451	0.20	0.0	mg/l	2.5	2.57	102.8	90-110%
Nitrogen, Ammonia	GP21108/GN54462	0.10	0.0	mg/l	2.5	2.52	100.8	90-110%
Nitrogen, Ammonia	GP21130/GN54532	1.2	0.0	mg/kg	28.8	29.0	100.5	80-120%
Nitrogen, Nitrate	GP21105/GN54476	1.0	0.0	mg/kg	25.1	24.9	99.2	90-110%
Nitrogen, Nitrate	GP21109/GN54451	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Nitrogen, Total Kjeldahl	GP21095/GN54449	0.53	0.0	mg/l	2.63	2.68	102.1	90-110%
Nitrogen, Total Kjeldahl	GP21096/GN54472	10	0.0	mg/kg	99.1	101	102.0	80-120%
Phosphate, Ortho	GP21058/GN54325	0.10	0.0	mg/l	.300	0.30	99.7	83-116%
Phosphate, Ortho	GP21058/GN54325			mg/l	.300	0.30	100.0	83-116%
Phosphorus, Total	GP21067/GN54379	0.10	0.0	mg/l	.300	0.31	102.0	81-118%
Phosphorus, Total	GP21100/GN54454	6.7	0.0	mg/kg	20.0mg/kg	19.1	95.5	81-126%
Phosphorus, Total	GP21114/GN54496	6.7	0.0	mg/kg	20.0	19.5	97.6	81-126%
Sulfate	GP21105/GN54476	20	0.0	mg/kg	502	516	102.8	90-110%
Sulfate	GP21109/GN54451	2.0	0.0	mg/l	50	50.9	101.8	90-110%

Associated Samples:
Batch GP21058: FA2088-7
Batch GP21067: FA2088-7, FA2088-8
Batch GP21095: FA2088-8
Batch GP21096: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GP21100: FA2088-1
Batch GP21105: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GP21108: FA2088-8
Batch GP21109: FA2088-8
Batch GP21114: FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GP21130: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2088
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
Phosphorus, Total	GP21067/GN54379	FA2110-2	mg/l	0.41	0.40	1.6	0-22%
Phosphorus, Total	GP21100/GN54454	FA1973-1	mg/kg	98900	96700	3.3	0-23%
Phosphorus, Total	GP21114/GN54496	FA2088-2	mg/kg	3150	3060	2.9	0-23%
Solids, Percent	GN54418	FA2088-1	%	91	91.5	0.5	0-5%
Solids, Percent	GN54418	FA2088-2	%	91.6	91.8	0.2	0-5%
pH	GN54318	FA2086-3	su	7.06	7.06	0.0	0-10%
pH	GN54428	FA2088-8	su	6.55	6.62	1.1	0-10%
pH	GN54458	FA2088-1	su	6.80	6.82	0.3	0-10%

Associated Samples:
Batch GN54318: FA2088-7
Batch GN54418: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GN54428: FA2088-8
Batch GN54458: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GP21067: FA2088-7, FA2088-8
Batch GP21100: FA2088-1
Batch GP21114: FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2088
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
Fluoride	GP21105/GN54476	FA2088-5	mg/kg	18.1	30.6	23.4	17.3N(a)	90-110%
Fluoride	GP21109/GN54451	FA2088-8	mg/l	0.13	2.5	2.2	82.8N(a)	90-110%
Nitrogen, Ammonia	GP21108/GN54462	FA2085-1	mg/l	0.030 U	2.5	2.3	92.0	90-110%
Nitrogen, Ammonia	GP21130/GN54532	FA2134-4	mg/kg	71.4	34.9	98.9	78.8N(b)	80-120%
Nitrogen, Nitrate	GP21105/GN54476	FA2088-5	mg/kg	3.1 U	30.6	17.1	55.9N(a)	90-110%
Nitrogen, Nitrate	GP21109/GN54451	FA2088-8	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Total Kjeldahl	GP21095/GN54449	FA2149-6	mg/l	11.0	2.63	14.8	144.8(c)	90-110%
Nitrogen, Total Kjeldahl	GP21096/GN54472	FA2047-2	mg/kg	1120	123	882	-194.3(c)	80-120%
Phosphorus, Total	GP21067/GN54379	FA2110-2	mg/l	0.41	.300	0.78	122.0*(a)	81-118%
Phosphorus, Total	GP21100/GN54454	FA1973-1	mg/kg	98900	23.4	99200	0.0(c)	81-126%
Phosphorus, Total	GP21114/GN54496	FA2088-2	mg/kg	3150	21.8	2860	0.0(c)	81-126%
Sulfate	GP21105/GN54476	FA2088-5	mg/kg	958	612	1270	51.0N(a)	90-110%
Sulfate	GP21109/GN54451	FA2088-8	mg/l	0.86	50	47.7	93.7	90-110%

Associated Samples:
Batch GP21067: FA2088-7, FA2088-8
Batch GP21095: FA2088-8
Batch GP21096: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GP21100: FA2088-1
Batch GP21105: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GP21108: FA2088-8
Batch GP21109: FA2088-8
Batch GP21114: FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GP21130: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(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: FA2088
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
Fluoride	GP21105/GN54476	FA2088-5	mg/kg	18.1	30.6	22.4	4.4N(a)	
Fluoride	GP21109/GN54451	FA2088-8	mg/l	0.13	2.5	2.2	0.0N(a)	
Nitrogen, Ammonia	GP21108/GN54462	FA2085-1	mg/l	0.030 U	2.5	2.3	0.0	20%
Nitrogen, Ammonia	GP21130/GN54532	FA2134-4	mg/kg	71.4	34.2	99.2	0.3(b)	30%
Nitrogen, Nitrate	GP21105/GN54476	FA2088-5	mg/kg	3.1 U	30.6	17.1	0.0N(a)	
Nitrogen, Nitrate	GP21109/GN54451	FA2088-8	mg/l	0.050 U	2.5	2.4	0.0	
Nitrogen, Total Kjeldahl	GP21095/GN54449	FA2149-6	mg/l	11.0	2.63	14.3	3.4(c)	20%
Nitrogen, Total Kjeldahl	GP21096/GN54472	FA2047-2	mg/kg	1120	120	1210	31.4(c)	30%
Phosphorus, Total	GP21067/GN54379	FA2110-2	mg/l	0.41	.300	0.772	0.6(a)	22%
Phosphorus, Total	GP21100/GN54454	FA1973-1	mg/kg	98900	23.4	10100	1.5(d)	23%
Phosphorus, Total	GP21114/GN54496	FA2088-2	mg/kg	3150	21.8	3200	11.3(d)	23%
Sulfate	GP21105/GN54476	FA2088-5	mg/kg	958	612	1230	3.2N(a)	
Sulfate	GP21109/GN54451	FA2088-8	mg/l	0.86	50	47.7	0.0	

Associated Samples:
Batch GP21067: FA2088-7, FA2088-8
Batch GP21095: FA2088-8
Batch GP21096: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GP21100: FA2088-1
Batch GP21105: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GP21108: FA2088-8
Batch GP21109: FA2088-8
Batch GP21114: FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
Batch GP21130: FA2088-1, FA2088-2, FA2088-3, FA2088-4, FA2088-5, FA2088-6
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(d) 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: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN1.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2
Analyst: MG Run ID: GN54449
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:41	GN54449-ICV1	1		
08:42	GN54449-CCV1	1		
08:43	GN54449-CCB1	1		
08:44	GP21095-MB1	1		
08:45	GP21095-B1	1		
08:49	ZZZZZZ	1		
08:52	FA2088-8	1		
08:53	ZZZZZZ	1		
08:54	ZZZZZZ	1		
08:55	GN54449-CCV2	1		
08:56	GN54449-CCB2	1		
08:57	ZZZZZZ	1		
08:58	ZZZZZZ	1		
09:00	ZZZZZZ	1		
09:08	GN54449-CCV3	1		
09:09	GN54449-CCB3	1		
09:10	GP21095-S1	2		
09:11	GP21095-S2	2		
09:13	ZZZZZZ	5		
09:14	ZZZZZZ	25		
09:15	ZZZZZZ	2		
09:16	ZZZZZZ	50		
09:17	ZZZZZZ	5		
09:18	ZZZZZZ	2		
09:19	ZZZZZZ	50		
09:20	FA2149-6	2		(sample used for QC only; not part of login FA2088)
09:21	GN54449-CCV4	1		
09:23	GN54449-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN1.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2
Run ID: GN54449 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54449-ICV1	Nitrogen, Total Kjeldahl	2.8	0.50	0.16	2.5	110.0	90-110
GN54449-CCV1	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54449-CCB1	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54449-CCV2	Nitrogen, Total Kjeldahl	2.4	0.50	0.16	2.5	96.0	90-110
GN54449-CCB2	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54449-CCV3	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54449-CCB3	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54449-CCV4	Nitrogen, Total Kjeldahl	2.3	0.50	0.16	2.5	92.0	90-110
GN54449-CCB4	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313040301.TXT Date Analyzed: 03/04/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54451
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:57	GN54451-CCV1	1		
12:13	GN54451-CCB1	1		
12:29	GP21109-MB1	1		
12:45	GP21109-B1	1		
13:32	FA2088-8	1		
13:48	GP21109-S1	1		
14:04	GP21109-S2	1		
14:36	GP21097-S1	1		
14:52	GP21097-S2	1		
15:08	GN54451-CCV2	1		
15:24	GN54451-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313040301.TXT Date Analyzed: 03/04/13 Methods: EPA 300/SW846 9056A
Run ID: GN54451 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54451-CCV1	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54451-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54451-CCV1	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54451-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54451-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54451-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54451-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54451-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54451-CCV2	Sulfate	49.8	2.0	0.60	50	99.6	90-110
GN54451-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54451-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54451-CCB2	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513AMN1.CSV Date Analyzed: 03/05/13 Methods: EPA 350.1
Analyst: VK Run ID: GN54462
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:16	GN54462-ICV1	1		
12:17	GN54462-CCV1	1		
12:18	GN54462-CCB1	1		
12:19	GP21108-MB1	1		
12:20	GP21108-B1	1		
12:21	GP21108-S1	1		
12:22	GP21108-S2	1		
12:23	FA2085-1	1		(sample used for QC only; not part of login FA2088)
12:24	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:28	GN54462-CCV2	1		
12:29	GN54462-CCB2	1		
12:30	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:32	FA2088-8	1		
12:33	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:36	GN54462-CCV3	1		
12:37	GN54462-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513AMN1.CSV Date Analyzed: 03/05/13 Methods: EPA 350.1
Run ID: GN54462 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54462-ICV1	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54462-CCV1	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54462-CCB1	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54462-CCV2	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54462-CCB2	Nitrogen, Ammonia	0.050	0.10	0.030			
GN54462-CCV3	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54462-CCB3	Nitrogen, Ammonia	0.030 U	0.10	0.030			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN2.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54472
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:42	GN54472-ICV1	1		
09:44	GN54472-CCV1	1		
09:45	GN54472-CCB1	1		
09:47	GP21096-MB1	1		
09:48	GP21096-B1	1		
09:57	GN54472-CCV2	1		
09:58	GN54472-CCB2	1		
10:00	FA2088-1	1		
10:01	FA2088-2	1		
10:02	FA2088-3	1		
10:03	FA2088-4	1		
10:06	FA2088-6	1		
10:07	ZZZZZZ	1		
10:08	ZZZZZZ	1		
10:10	GN54472-CCV3	1		
10:11	GN54472-CCB3	1		
10:13	FA2047-2	10		(sample used for QC only; not part of login FA2088)
10:14	GP21096-S1	5		
10:15	GP21096-S2	10		
10:17	ZZZZZZ	10		
10:18	ZZZZZZ	25		
10:19	ZZZZZZ	2		
10:20	ZZZZZZ	2		
10:21	ZZZZZZ	25		
10:22	FA2088-5	2		
10:23	GN54472-CCV4	1		
10:24	GN54472-CCB4	1		
10:25	FA2088-6	2		
10:27	ZZZZZZ	2		
10:28	ZZZZZZ	10		
10:29	GN54472-CCV5	1		
10:30	GN54472-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN2.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2 M
Run ID: GN54472 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54472-ICV1	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54472-CCV1	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54472-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV2	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54472-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV3	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54472-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV4	Nitrogen, Total Kjeldahl	2.3	0.25	0.10	2.5	92.0	90-110
GN54472-CCB4	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV5	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54472-CCB5	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54476
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:18	GN54476-CCV1	1		
09:33	GN54476-CCB1	1		
09:49	GP21111-MB1	1		
10:05	GP21111-B1	1		
10:53	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:56	ZZZZZZ	200		
12:12	ZZZZZZ	10		
12:28	GN54476-CCV2	1		
12:44	GN54476-CCB2	1		
13:00	FA2319-1	1		(sample used for QC only; not part of login FA2088)
13:16	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:48	ZZZZZZ	10		
14:04	GP21111-S1	1		
14:19	GP21111-S2	1		
14:35	FA2149-1	2		(sample used for QC only; not part of login FA2088)
14:51	FA2149-3	2		(sample used for QC only; not part of login FA2088)
15:07	ZZZZZZ	2		
15:23	ZZZZZZ	25		
15:39	GN54476-CCV3	1		
15:55	GN54476-CCB3	1		
16:11	GP21098-S1	2		
16:27	GP21098-S2	2		
16:42	GP21098-S3	2		
16:58	GP21098-S4	2		
17:14	GN54476-CCV4	1		
17:30	GN54476-CCB4	1		
17:46	GP21105-MB1	1		
18:02	GP21105-B1	1		
18:18	FA2088-1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54476
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:34	FA2088-2	5		
18:50	FA2088-3	5		
19:05	FA2088-4	5		
19:21	FA2088-5	5		
19:37	FA2088-6	5		
19:53	ZZZZZZ	5		
20:25	GN54476-CCV5	1		
20:41	GN54476-CCB5	1		
20:57	ZZZZZZ	5		
21:13	ZZZZZZ	5		
21:28	ZZZZZZ	5		
21:44	GP21105-S1	5		
22:00	GP21105-S2	5		
22:16	ZZZZZZ	10		
22:32	ZZZZZZ	2		
22:48	ZZZZZZ	10		
23:04	ZZZZZZ	10		
23:36	GN54476-CCV6	1		
23:51	GN54476-CCB6	1		
00:07	ZZZZZZ	25		
00:39	ZZZZZZ	5		
00:55	ZZZZZZ	25		
01:11	GN54476-CCV7	1		
01:27	GN54476-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Run ID: GN54476 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54476-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV1	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN54476-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV2	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN54476-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV3	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV3	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54476-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV4	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV4	Sulfate	50.2	2.0	0.60	50	100.4	90-110
GN54476-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV5	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV5	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54476-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV6	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV6	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV6	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN54476-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV7	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV7	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV7	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN54476-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB7	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB7	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030813AMN1.CSV Date Analyzed: 03/08/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54532
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:32	GN54532-ICV1	1		
13:33	GN54532-CCV1	1		
13:34	GN54532-CCB1	1		
13:35	GP21130-MB1	1		
13:36	GP21130-B1	1		
13:37	GP21130-S1	1		
13:38	GP21130-S2	1		
13:39	FA2134-4	1		(sample used for QC only; not part of login FA2088)
13:40	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:45	GN54532-CCV2	1		
13:46	GN54532-CCB2	1		
13:47	ZZZZZZ	1		
13:52	FA2088-1	1		
13:54	FA2088-2	1		
13:55	FA2088-3	1		
13:56	FA2088-4	1		
13:58	GN54532-CCV3	1		
13:59	GN54532-CCB3	1		
14:01	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:04	ZZZZZZ	25		
14:05	ZZZZZZ	25		
14:06	ZZZZZZ	5		
14:07	ZZZZZZ	5		
14:08	FA2088-5	2		
14:09	FA2088-6	25		
14:10	GN54532-CCV4	1		
14:11	GN54532-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2088
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030813AMN1.CSV Date Analyzed: 03/08/13 Methods: EPA 350.1 M
Run ID: GN54532 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54532-ICV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV2	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV3	Nitrogen, Ammonia	2.4	0.10	0.022	2.5	96.0	90-110
GN54532-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV4	Nitrogen, Ammonia	2.4	0.10	0.022	2.5	96.0	90-110
GN54532-CCB4	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA2088
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA2088-1 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-48 (400)

Wet Weight (Total)	8.4	g
Tare Weight	1.04	g
Dry Weight (Total)	7.74	g
Solids, Percent	91	%

Sample: FA2088-2 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-48 (0-1)

Wet Weight (Total)	8.69	g
Tare Weight	.98	g
Dry Weight (Total)	8.04	g
Solids, Percent	91.6	%

Sample: FA2088-3 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-48 (1-2)

Wet Weight (Total)	8.71	g
Tare Weight	1.01	g
Dry Weight (Total)	7.9	g
Solids, Percent	89.5	%

Sample: FA2088-4 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-48 (4-5)

Wet Weight (Total)	8.13	g
Tare Weight	1.04	g
Dry Weight (Total)	6.66	g
Solids, Percent	79.3	%

Sample: FA2088-5 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-48 (9-10)

Wet Weight (Total)	8.88	g
Tare Weight	1.04	g
Dry Weight (Total)	7.42	g
Solids, Percent	81.4	%

Sample: FA2088-6 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-48 (12-14)

Wet Weight (Total)	8.88	g
Tare Weight	1	g
Dry Weight (Total)	7.26	g
Solids, Percent	79.4	%

Southeast ACCUTEST LABORATORIES

03/12/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA2134

Sampling Date: 02/26/13

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: **121**

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.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **8**
Section 4: Sample Results **11**
4.1: FA2134-1: A-45 (0-1) 12
4.2: FA2134-2: A-45 (1-2) 14
4.3: FA2134-3: A-45 (4-5) 16
4.4: FA2134-4: A-45 (9-10) 18
4.5: FA2134-5: WATER-EB-2/26/13 20
4.6: FA2134-6: SOIL-EB-2/26/13 22
Section 5: Misc. Forms **24**
5.1: Chain of Custody 25
Section 6: Metals Analysis - QC Data Summaries **27**
6.1: Inst QC MA10571: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 28
6.2: Inst QC MA10579: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 51
6.3: Inst QC MA10583: Sb,Cd,Ca,Cr,Pb,Se,Tl 67
6.4: Prep QC MP24695: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 88
6.5: Prep QC MP24722: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V 94
Section 7: General Chemistry - QC Data Summaries **100**
7.1: Method Blank and Spike Results Summary 101
7.2: Duplicate Results Summary 102
7.3: Matrix Spike Results Summary 103
7.4: Matrix Spike Duplicate Results Summary 104
7.5: Inst QC GN54361: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 105
7.6: Inst QC GN54378: Fluoride 107
7.7: Inst QC GN54449: Nitrogen, Total Kjeldahl 110
7.8: Inst QC GN54462: Nitrogen, Ammonia 112
7.9: Inst QC GN54472: Nitrogen, Total Kjeldahl 114
7.10: Inst QC GN54476: Fluoride,Nitrogen, Nitrate,Sulfate 116
7.11: Inst QC GN54532: Nitrogen, Ammonia 119
7.12: Percent Solids Raw Data Summary 121

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA2134

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
FA2134-1	02/26/13	12:10	IP	02/27/13	SO	Soil	A-45 (0-1)
FA2134-2	02/26/13	12:12	IP	02/27/13	SO	Soil	A-45 (1-2)
FA2134-3	02/26/13	12:14	IP	02/27/13	SO	Soil	A-45 (4-5)
FA2134-4	02/26/13	12:30	IP	02/27/13	SO	Soil	A-45 (9-10)
FA2134-5	02/26/13	09:00	IP	02/27/13	AQ	Equipment Blank	WATER-EB-2/26/13
FA2134-6	02/26/13	09:05	IP	02/27/13	AQ	Equipment Blank	SOIL-EB-2/26/13

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA2134

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 3/11/2013 9:20:09 AM

6 Sample(s) were collected on 02/26/2013 and were received at Accutest SE on 02/27/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA2134. 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:** MP24695

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) FA2128-1DUP, FA2128-1MS, FA2128-1MSD, FA2128-1PS, FA2128-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Arsenic, Barium, Calcium, Chromium, Lead, Magnesium, Manganese, Nickel, Potassium are outside control limits for sample MP24695-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO **Batch ID:** MP24722

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) FA2301-1DUP, FA2301-1MS, FA2301-1MSD, FA2301-1PS, FA2301-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Lead are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

RPD(s) for Duplicate for Beryllium, Nickel, Selenium are outside control limits for sample MP24722-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for MSD for Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Sodium, Thallium, Vanadium are outside control limits for sample MP24722-S2. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Arsenic, Cadmium, Magnesium, Potassium, Calcium are outside control limits for sample MP24722-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24722-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24722-SD1 for Calcium: Serial dilution indicates possible matrix interference.

FA2134-2 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA2134-4 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA2134-4 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA2134-4 for Thallium: Elevated reporting limit(s) due to matrix interference.

FA2134-2 for Thallium: Elevated reporting limit(s) due to matrix interference.

FA2134-2 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA2134-2 for Lead: Elevated reporting limit(s) due to matrix interference.

FA2134-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA2134-2 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA2134-2 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA2134-4 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA2134-4 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA2134-4 for Lead: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP24722

FA2134-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA2134-1 for Lead: Elevated reporting limit(s) due to matrix interference.

FA2134-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA2134-1 for Thallium: Elevated reporting limit(s) due to matrix interference.

FA2134-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54352

All method blanks for this batch meet method specific criteria.

Sample(s) FA2134-5DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA2134-5

FA2134-5 for Specific Conductivity: Received out of hold & analyzed by request.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21068

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) FA2134-6MS, FA2134-6MSD were used as the QC samples for Chloride, Fluoride, Nitrogen, Nitrate, Sulfate.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Fluoride, Nitrogen, Nitrate, Sulfate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Matrix: SO **Batch ID:** GP21105

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) FA2088-5MSD, FA2088-5MS were used as the QC samples for Fluoride, Nitrogen, Nitrate, Sulfate, Fluoride.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Fluoride, Nitrogen, Nitrate, Sulfate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA2134-1 for Sulfate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 350.1

Matrix: AQ **Batch ID:** GP21108

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) FA2085-1MS, FA2085-1MSD were used as the QC samples for Nitrogen, Ammonia.

Wet Chemistry By Method EPA 350.1 M

Matrix: SO **Batch ID:** GP21130

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) FA2134-4MSD, FA2134-4MS were used as the QC samples for Nitrogen, Ammonia.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Ammonia are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 351.2

Matrix: AQ **Batch ID:** GP21095

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) FA2149-6MSD, FA2149-6MS were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl 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 EPA 351.2 M

Matrix: SO **Batch ID:** GP21096

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) FA2047-2MS, FA2047-2MSD were used as the QC samples for Nitrogen, Total Kjeldahl.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Nitrogen, Total Kjeldahl 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 MSD for Nitrogen, Total Kjeldahl are outside control limits for sample GP21096-S2. Probable cause is due to sample non-homogeneity.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21063

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) BS1, BS2 were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21067

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) FA2110-2DUP, FA2110-2MSD 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 recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 365.3M

Matrix: SO **Batch ID:** GP21114

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) FA2088-2DUP, FA2088-2MSD 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:** GN54342

Sample(s) FA2132-1DUP was used as the QC sample for pH.

FA2134-5 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2134-6 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54459

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2134-5DUP, FA2134-5MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54381

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2149-4DUP was used as the QC sample for Solids, Total Dissolved.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN54418

Sample(s) FA2088-1DUP was used as the QC sample for Solids, Percent.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** GN54488

Sample(s) FA2134-1DUP was used as the QC sample for pH.

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 11, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA2134
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/26/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2134-1	**A-45 (0-1)**					
Aluminum		4870	48	4.8	mg/kg	SW846 6010C
Arsenic		4.7	2.4	0.38	mg/kg	SW846 6010C
Barium		52.2	48	1.2	mg/kg	SW846 6010C
Beryllium		0.19 J	1.2	0.12	mg/kg	SW846 6010C
Cadmium [a]		3.5	1.9	0.24	mg/kg	SW846 6010C
Calcium		157000	2400	24	mg/kg	SW846 6010C
Chromium [a]		24.7	4.8	0.86	mg/kg	SW846 6010C
Iron		6060	72	17	mg/kg	SW846 6010C
Lead [a]		6.4 J	9.6	0.53	mg/kg	SW846 6010C
Magnesium		25700	1200	18	mg/kg	SW846 6010C
Manganese		341	3.6	0.22	mg/kg	SW846 6010C
Nickel		12.5	9.6	0.12	mg/kg	SW846 6010C
Potassium		1020 J	2400	48	mg/kg	SW846 6010C
Sodium		415 J	2400	120	mg/kg	SW846 6010C
Vanadium		31.2	12	0.12	mg/kg	SW846 6010C
Fluoride		46.7	5.6	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		100	1.3	0.28	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		8.1	5.6	2.8	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl		214	11	4.4	mg/kg	EPA 351.2 M
Phosphorus, Total		3880	1000	150	mg/kg	EPA 365.3M
Sulfate [b]		45.6 J	110	33	mg/kg	EPA 300/SW846 9056A
pH		8.48			su	SW846 9045D
FA2134-2	**A-45 (1-2)**					
Aluminum		1780	43	4.3	mg/kg	SW846 6010C
Arsenic		7.4	2.2	0.34	mg/kg	SW846 6010C
Barium		10.1 J	43	1.1	mg/kg	SW846 6010C
Beryllium		0.17 J	1.1	0.11	mg/kg	SW846 6010C
Cadmium [a]		0.96 J	3.4	0.43	mg/kg	SW846 6010C
Calcium		369000	4300	43	mg/kg	SW846 6010C
Chromium [a]		7.6 J	8.6	1.5	mg/kg	SW846 6010C
Iron		1950	65	15	mg/kg	SW846 6010C
Lead [a]		11.0 J	17	0.95	mg/kg	SW846 6010C
Magnesium		3890	1100	16	mg/kg	SW846 6010C
Manganese		59.2	3.2	0.19	mg/kg	SW846 6010C
Nickel		4.8 J	8.6	0.11	mg/kg	SW846 6010C
Potassium		276 J	2200	43	mg/kg	SW846 6010C
Sodium		162 J	2200	110	mg/kg	SW846 6010C
Vanadium		8.5 J	11	0.11	mg/kg	SW846 6010C
Fluoride		24.4	5.4	1.4	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia		2.8	1.3	0.28	mg/kg	EPA 350.1 M
Nitrogen, Nitrate		8.7	5.4	2.7	mg/kg	EPA 300/SW846 9056A

Summary of Hits

Job Number: FA2134
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/26/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Nitrogen, Total Kjeldahl	80.8	11	4.5	mg/kg	EPA 351.2 M
Phosphorus, Total	298	68	10	mg/kg	EPA 365.3M
Sulfate	842	110	32	mg/kg	EPA 300/SW846 9056A
pH	10.03			su	SW846 9045D
FA2134-3 A-45 (4-5)					
Aluminum	15000	50	5.0	mg/kg	SW846 6010C
Arsenic	4.4	2.5	0.40	mg/kg	SW846 6010C
Barium	169	50	1.3	mg/kg	SW846 6010C
Beryllium	0.75 J	1.3	0.13	mg/kg	SW846 6010C
Cadmium	0.31 J	1.0	0.13	mg/kg	SW846 6010C
Calcium	35400	1300	13	mg/kg	SW846 6010C
Chromium	17.1	2.5	0.45	mg/kg	SW846 6010C
Iron	15000	75	18	mg/kg	SW846 6010C
Lead	12.0	5.0	0.28	mg/kg	SW846 6010C
Magnesium	6710	1300	19	mg/kg	SW846 6010C
Manganese	470	3.8	0.23	mg/kg	SW846 6010C
Nickel	16.5	10	0.13	mg/kg	SW846 6010C
Potassium	3480	2500	50	mg/kg	SW846 6010C
Sodium	330 J	2500	130	mg/kg	SW846 6010C
Vanadium	21.1	13	0.13	mg/kg	SW846 6010C
Fluoride	23.9	6.1	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	19.3	1.4	0.31	mg/kg	EPA 350.1 M
Nitrogen, Nitrate	9.4	6.1	3.0	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	459	24	9.8	mg/kg	EPA 351.2 M
Phosphorus, Total	599	180	28	mg/kg	EPA 365.3M
Sulfate	605	120	36	mg/kg	EPA 300/SW846 9056A
pH	8.44			su	SW846 9045D
FA2134-4 A-45 (9-10)					
Aluminum	3770	57	5.7	mg/kg	SW846 6010C
Arsenic	2.3 J	2.9	0.46	mg/kg	SW846 6010C
Barium	141	57	1.4	mg/kg	SW846 6010C
Beryllium	0.17 J	1.4	0.14	mg/kg	SW846 6010C
Calcium	344000	5700	57	mg/kg	SW846 6010C
Chromium [a]	3.6 J	11	2.1	mg/kg	SW846 6010C
Iron	3130	86	20	mg/kg	SW846 6010C
Lead [a]	7.9 J	23	1.3	mg/kg	SW846 6010C
Magnesium	4610	1400	22	mg/kg	SW846 6010C
Manganese	256	4.3	0.26	mg/kg	SW846 6010C
Nickel	4.0 J	11	0.14	mg/kg	SW846 6010C
Potassium	832 J	2900	57	mg/kg	SW846 6010C
Sodium	240 J	2900	140	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA2134
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/26/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Vanadium	4.7 J	14	0.14	mg/kg	SW846 6010C
Fluoride	9.5	6.1	1.5	mg/kg	EPA 300/SW846 9056A
Nitrogen, Ammonia	71.4	1.5	0.32	mg/kg	EPA 350.1 M
Nitrogen, Nitrate	12.2	6.1	3.0	mg/kg	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	1530	120	50	mg/kg	EPA 351.2 M
Phosphorus, Total	458	93	14	mg/kg	EPA 365.3M
Sulfate	421	120	36	mg/kg	EPA 300/SW846 9056A
pH	8.33			su	SW846 9045D
FA2134-5 WATER-EB-2/26/13					
Aluminum	250	200	15	ug/l	SW846 6010C
Calcium	1110	1000	50	ug/l	SW846 6010C
Iron	719	300	29	ug/l	SW846 6010C
Magnesium	926 J	5000	74	ug/l	SW846 6010C
Potassium	200 J	10000	200	ug/l	SW846 6010C
Alkalinity, Total as CaCO3	0.90 J	5.0	0.60	mg/l	SM19 2320B
Fluoride	0.22	0.20	0.060	mg/l	EPA 300/SW846 9056A
Phosphate, Ortho	0.39	0.10	0.020	mg/l	EPA 365.3
Solids, Total Dissolved	26.0 J	100	10	mg/l	SM19 2540C
Specific Conductivity [c]	7.8	1.0	1.0	umhos/cm	EPA 120.1
Sulfate	1.6 J	2.0	0.60	mg/l	EPA 300/SW846 9056A
pH [d]	5.71			su	SM 4500H B/SW 9040C
FA2134-6 SOIL-EB-2/26/13					
Lead	7.9	5.0	1.1	ug/l	SW846 6010C
Fluoride	0.13 J	0.20	0.060	mg/l	EPA 300/SW846 9056A
Nitrogen, Ammonia	0.12	0.10	0.030	mg/l	EPA 350.1
Nitrogen, Total Kjeldahl	0.23 J	0.53	0.17	mg/l	EPA 351.2
Phosphorus, Total	0.22	0.10	0.028	mg/l	EPA 365.3
pH [d]	5.31			su	SM 4500H B/SW 9040C

(a) Elevated reporting limit(s) due to matrix interference.
(b) Dilution required due to matrix interference.
(c) Received out of hold & analyzed by request.
(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-45 (0-1)		
Lab Sample ID:	FA2134-1	**Date Sampled:**	02/26/13
Matrix:	SO - Soil	**Date Received:**	02/27/13
		Percent Solids:	89.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4870	48	4.8	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Antimony [a]	0.91 U	9.6	0.91	mg/kg	10	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic	4.7	2.4	0.38	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Barium	52.2	48	1.2	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.19 J	1.2	0.12	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Cadmium [a]	3.5	1.9	0.24	mg/kg	10	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium	157000	2400	24	mg/kg	10	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	24.7	4.8	0.86	mg/kg	10	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron	6060	72	17	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Lead [a]	6.4 J	9.6	0.53	mg/kg	10	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Magnesium	25700	1200	18	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Manganese	341	3.6	0.22	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Nickel	12.5	9.6	0.12	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Potassium	1020 J	2400	48	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Selenium [a]	1.4 U	9.6	1.4	mg/kg	10	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium	415 J	2400	120	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Thallium [a]	0.86 U	4.8	0.86	mg/kg	10	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium	31.2	12	0.12	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA10579
(2) Instrument QC Batch: MA10583
(3) Prep QC Batch: MP24722

(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-45 (0-1)		
Lab Sample ID:	FA2134-1	**Date Sampled:**	02/26/13
Matrix:	SO - Soil	**Date Received:**	02/27/13
		Percent Solids:	89.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	46.7	5.6	1.4	mg/kg	5	03/05/13 19:53	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	100	1.3	0.28	mg/kg	1	03/08/13 14:01	VK	EPA 350.1 M
Nitrogen, Nitrate	8.1	5.6	2.8	mg/kg	5	03/05/13 19:53	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	214	11	4.4	mg/kg	1	03/05/13 10:07	MG	EPA 351.2 M
Phosphorus, Total	3880	1000	150	mg/kg	25	03/06/13 10:55	LE	EPA 365.3M
Solids, Percent	89.7			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate [a]	45.6 J	110	33	mg/kg	5	03/05/13 19:53	AA	EPA 300/SW846 9056A
pH	8.48			su	1	03/06/13 13:50	HH	SW846 9045D

(a) Dilution required 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-45 (1-2)		
Lab Sample ID:	FA2134-2	**Date Sampled:**	02/26/13
Matrix:	SO - Soil	**Date Received:**	02/27/13
		Percent Solids:	92.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1780	43	4.3	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Antimony [a]	1.6 U	17	1.6	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic	7.4	2.2	0.34	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Barium	10.1 J	43	1.1	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.17 J	1.1	0.11	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Cadmium [a]	0.96 J	3.4	0.43	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium	369000	4300	43	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	7.6 J	8.6	1.5	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron	1950	65	15	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Lead [a]	11.0 J	17	0.95	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Magnesium	3890	1100	16	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Manganese	59.2	3.2	0.19	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Nickel	4.8 J	8.6	0.11	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Potassium	276 J	2200	43	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Selenium [a]	2.6 U	17	2.6	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium	162 J	2200	110	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Thallium [a]	1.5 U	8.6	1.5	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium	8.5 J	11	0.11	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA10579
(2) Instrument QC Batch: MA10583
(3) Prep QC Batch: MP24722

(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-45 (1-2)		
Lab Sample ID:	FA2134-2	**Date Sampled:**	02/26/13
Matrix:	SO - Soil	**Date Received:**	02/27/13
		Percent Solids:	92.2
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	24.4	5.4	1.4	mg/kg	5	03/05/13 20:57	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	2.8	1.3	0.28	mg/kg	1	03/08/13 14:02	VK	EPA 350.1 M
Nitrogen, Nitrate	8.7	5.4	2.7	mg/kg	5	03/05/13 20:57	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	80.8	11	4.5	mg/kg	1	03/05/13 10:08	MG	EPA 351.2 M
Phosphorus, Total	298	68	10	mg/kg	2	03/06/13 10:55	LE	EPA 365.3M
Solids, Percent	92.2			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	842	110	32	mg/kg	5	03/05/13 20:57	AA	EPA 300/SW846 9056A
pH	10.03			su	1	03/06/13 13:50	HH	SW846 9045D

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-45 (4-5)
Lab Sample ID: FA2134-3
Matrix: SO - Soil
Date Sampled: 02/26/13
Date Received: 02/27/13
Percent Solids: 82.5
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	15000	50	5.0	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Antimony	0.48 U	5.0	0.48	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Arsenic	4.4	2.5	0.40	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Barium	169	50	1.3	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium	0.75 J	1.3	0.13	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Cadmium	0.31 J	1.0	0.13	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Calcium	35400	1300	13	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Chromium	17.1	2.5	0.45	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Iron	15000	75	18	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead	12.0	5.0	0.28	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Magnesium	6710	1300	19	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese	470	3.8	0.23	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel	16.5	10	0.13	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Potassium	3480	2500	50	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Selenium	0.75 U	5.0	0.75	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Sodium	330 J	2500	130	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium	0.45 U	2.5	0.45	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]
Vanadium	21.1	13	0.13	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10579
(2) Prep QC Batch: MP24722

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-45 (4-5)		
Lab Sample ID:	FA2134-3	**Date Sampled:**	02/26/13
Matrix:	SO - Soil	**Date Received:**	02/27/13
		Percent Solids:	82.5
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	23.9	6.1	1.5	mg/kg	5	03/05/13 21:13	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	19.3	1.4	0.31	mg/kg	1	03/08/13 14:03	VK	EPA 350.1 M
Nitrogen, Nitrate	9.4	6.1	3.0	mg/kg	5	03/05/13 21:13	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	459	24	9.8	mg/kg	2	03/05/13 10:27	MG	EPA 351.2 M
Phosphorus, Total	599	180	28	mg/kg	5	03/06/13 10:55	LE	EPA 365.3M
Solids, Percent	82.5			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	605	120	36	mg/kg	5	03/05/13 21:13	AA	EPA 300/SW846 9056A
pH	8.44			su	1	03/06/13 13:50	HH	SW846 9045D

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-45 (9-10)		
Lab Sample ID:	FA2134-4	**Date Sampled:**	02/26/13
Matrix:	SO - Soil	**Date Received:**	02/27/13
		Percent Solids:	82.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3770	57	5.7	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Antimony [a]	2.2 U	23	2.2	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Arsenic	2.3 J	2.9	0.46	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Barium	141	57	1.4	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.17 J	1.4	0.14	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Cadmium [a]	0.57 U	4.6	0.57	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Calcium	344000	5700	57	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	3.6 J	11	2.1	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Iron	3130	86	20	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Lead [a]	7.9 J	23	1.3	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Magnesium	4610	1400	22	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Manganese	256	4.3	0.26	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Nickel	4.0 J	11	0.14	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Potassium	832 J	2900	57	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Selenium [a]	3.4 U	23	3.4	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Sodium	240 J	2900	140	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]
Thallium [a]	2.1 U	11	2.1	mg/kg	20	03/05/13	03/07/13	LM	SW846 6010C [2]	SW846 3050B [3]
Vanadium	4.7 J	14	0.14	mg/kg	5	03/05/13	03/06/13	LM	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA10579
(2) Instrument QC Batch: MA10583
(3) Prep QC Batch: MP24722

(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-45 (9-10)		
Lab Sample ID:	FA2134-4	**Date Sampled:**	02/26/13
Matrix:	SO - Soil	**Date Received:**	02/27/13
		Percent Solids:	82.7
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Fluoride	9.5	6.1	1.5	mg/kg	5	03/05/13 21:28	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	71.4	1.5	0.32	mg/kg	1	03/08/13 13:39	VK	EPA 350.1 M
Nitrogen, Nitrate	12.2	6.1	3.0	mg/kg	5	03/05/13 21:28	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	1530	120	50	mg/kg	10	03/05/13 10:28	MG	EPA 351.2 M
Phosphorus, Total	458	93	14	mg/kg	2	03/06/13 10:55	LE	EPA 365.3M
Solids, Percent	82.7			%	1	03/04/13 09:18	HH	SM19 2540G
Sulfate	421	120	36	mg/kg	5	03/05/13 21:28	AA	EPA 300/SW846 9056A
pH	8.33			su	1	03/06/13 13:50	HH	SW846 9045D

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:	WATER-EB-2/26/13		
Lab Sample ID:	FA2134-5	**Date Sampled:**	02/26/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/27/13
		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	250	200	15	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	1110	1000	50	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	719	300	29	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	926 J	5000	74	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 J	10000	200	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10571
(2) Prep QC Batch: MP24695

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:	WATER-EB-2/26/13		
Lab Sample ID:	FA2134-5	**Date Sampled:**	02/26/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/27/13
		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	03/05/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/05/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.90 J	5.0	0.60	mg/l	1	03/05/13 13:45	AC	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	02/27/13 19:03	AA	EPA 300/SW846 9056A
Fluoride	0.22	0.20	0.060	mg/l	1	02/28/13 20:53	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	02/27/13 19:03	AA	EPA 300/SW846 9056A
Phosphate, Ortho	0.39	0.10	0.020	mg/l	1	02/27/13 14:00	LE	EPA 365.3
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	02/27/13 15:50	LE	EPA 365.3
Solids, Total Dissolved	26.0 J	100	10	mg/l	1	03/01/13	KC	SM19 2540C
Specific Conductivity [a]	7.8	1.0	1.0	umhos/cm	1	02/27/13 15:10	HH	EPA 120.1
Sulfate	1.6 J	2.0	0.60	mg/l	1	02/27/13 19:03	AA	EPA 300/SW846 9056A
pH [b]	5.71			su	1	02/27/13 10:56	HH	SM 4500H B/SW 9040C

(a) Received out of hold & analyzed by request.
(b) 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:	SOIL-EB-2/26/13		
Lab Sample ID:	FA2134-6	**Date Sampled:**	02/26/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/27/13
		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	15 U	200	15	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Barium	1.0 U	200	1.0	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	50 U	1000	50	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	29 U	300	29	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Lead	7.9	5.0	1.1	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	0.70 U	15	0.70	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.50 U	40	0.50	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	1.3 U	10	1.3	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.0 U	50	1.0	ug/l	1	02/28/13	02/28/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10571
(2) Prep QC Batch: MP24695

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:	SOIL-EB-2/26/13		
Lab Sample ID:	FA2134-6	**Date Sampled:**	02/26/13
Matrix:	AQ - Equipment Blank	**Date Received:**	02/27/13
		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
Fluoride	0.13 J	0.20	0.060	mg/l	1	02/28/13 21:09	AA	EPA 300/SW846 9056A
Nitrogen, Ammonia	0.12	0.10	0.030	mg/l	1	03/05/13 12:35	VK	EPA 350.1
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	02/27/13 19:19	AA	EPA 300/SW846 9056A
Nitrogen, Total Kjeldahl	0.23 J	0.53	0.17	mg/l	1	03/05/13 08:58	MG	EPA 351.2
Phosphorus, Total	0.22	0.10	0.028	mg/l	1	02/27/13 15:50	LE	EPA 365.3
Sulfate	0.60 U	2.0	0.60	mg/l	1	02/27/13 19:19	AA	EPA 300/SW846 9056A
pH [a]	5.31			su	1	02/27/13 10:56	HH	SM 4500H B/SW 9040C

(a) 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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY RECORD

FA2134

Page 1 of 1

Project Number: 36785/1

Site and Location: Agrium CPO Soda Springs ID

Contact Name: Tim.Muth@wspgroup.com

Contact Email:

Sampler's Name: Isaac Pelz

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification	Depth	Date	Time	Matrix	Number of Containers	Metals (A)	pH	Total Phosphorus	General Chem (B)	Orthophosphate	Metals (C)	General Chem (D)			Remarks
1	A-45(0-1)	0-1	2/26/13	1210	So	1	X	X	X	X						A) Al, Sb, Ba, Cd, Be, Ca, Cr, Fe, Pb, Mg, Mn, Ni, K, Na, Se, Ti
2	A-45(1-2)	1-2	2/26/13	1212	So	1	X	X	X	X						
3	A-45 (4-5)	4-5	2/26/13	1214	So	1	X	X	X	X						
4	A-45 (9-10)	9-10	2/26/13	1230	So	1	X	X	X	X						
5	Water-FB-2/26/13		2/26/13	900	Aq	4	X	X	X		X	X	X			B) TKN, NH3, F-, NO3, SO4
6	Soil-EB-2/26/13		2/26/13	905	Aq	4	X	X	X	X						C) Al, Sb, As, Cd, Ca, Fe, Mg, K, Na, Se
																D) Chloride, F-, NO3, SO4-2, Bicarbonate, Carbonate, Alkalinity, TDS, Sc

Relinquished by (Signature):	Date / Time: 2/26/13 1400	Received by (Signature): FO	Laboratory Name: Accutest
Relinquished by (Signature): FO 02-27-13	Date / Time: 930	Received by (Signature): [illegible]	Laboratory Location: Orlando Fl
Turn-Around Time: Std		Tracking Number: 801357084064	Custody Seal Numbers: 1,2
			Method of Shipment: Fedex

WSP

WSP Environment & Energy

2.8

- ☐ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- ☒ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA2134: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2134 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 02-27-13 930 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8013 5708 4064

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 Willi 02-27-13 REVIEWER SIGNATURE/DATE [signature] 02/27/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA2134: Chain of Custody
Page 2 of 2

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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:22	MA10571-STD1	1		STDA
08:26	MA10571-STD2	1		STDB
08:30	MA10571-STD3	1		STDC
08:35	MA10571-STD4	1		STDD
08:41	MA10571-HSTD1	1		
08:48	MA10571-ICV1	1		
08:54	MA10571-ICB1	1		
08:57	MA10571-CRIA1	1		
09:05	MA10571-ICSA1	1		
09:15	MA10571-ICSAB1	1		
09:19	MA10571-CCV1	1		
09:30	MA10571-CCB1	1		
09:34	MP24692-MB1	1		
09:38	MP24692-B1	1		
10:16	MA10571-CCV2	1		
10:20	MA10571-CCB2	1		
10:47	ZZZZZZ	5		
10:52	ZZZZZZ	5		
10:56	ZZZZZZ	5		
11:00	ZZZZZZ	5		
11:05	ZZZZZZ	5		
11:09	ZZZZZZ	5		
11:14	MA10571-CCV3	1		
11:17	MA10571-CCB3	1		
11:22	ZZZZZZ	5		
11:26	ZZZZZZ	5		
11:31	ZZZZZZ	5		
11:35	ZZZZZZ	5		
11:39	ZZZZZZ	5		
11:44	ZZZZZZ	5		
11:48	ZZZZZZ	5		
11:53	ZZZZZZ	5		
11:57	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:01	ZZZZZZ	5		
12:06	MA10571-CCV4	1		
12:10	MA10571-CCB4	1		
12:14	ZZZZZZ	5		
12:18	ZZZZZZ	5		
12:23	ZZZZZZ	2		
12:27	ZZZZZZ	2		
12:31	ZZZZZZ	20		
12:35	ZZZZZZ	20		
12:40	ZZZZZZ	20		
12:44	ZZZZZZ	20		
12:48	ZZZZZZ	25		
12:52	ZZZZZZ	25		
12:56	MA10571-CCV5	1		
13:00	MA10571-CCB5	1		
13:04	MP24698-MB1	1		
13:09	MP24698-B1	1		
13:13	FA2156-1	1		(sample used for QC only; not part of login FA2134)
13:17	MP24698-D1	1		
13:21	MP24698-SD1	5		
13:26	MP24698-PS1	1		
13:30	MP24698-S1	1		
13:34	MP24698-S2	1		
13:38	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:47	MA10571-CCV6	1		
13:51	MA10571-CCB6	1		
14:18	MA10571-CCV7	1		
14:26	MA10571-CCB7	1		
14:30	FA2156-1	5		(sample used for QC only; not part of login FA2134)
14:34	MP24698-D1	5		
14:39	MP24698-SD1	25		
14:43	MP24698-PS1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:47	MP24698-S1	5		
14:51	MP24698-S2	5		
14:55	ZZZZZZ	5		
14:59	ZZZZZZ	5		
15:03	MP24695-MB1	1		
15:08	MP24695-B1	1		
15:12	MA10571-CCV8	1		
15:16	MA10571-CCB8	1		
15:20	FA2128-1	1		(sample used for QC only; not part of login FA2134)
15:24	MP24695-D1	1		
15:28	MP24695-SD1	5		
15:32	MP24695-PS1	1		
15:36	MP24695-S1	1		
15:40	MP24695-S2	1		
15:44	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:01	MA10571-CCV9	1		
16:05	MA10571-CCB9	1		
16:13	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:51	MA10571-CCV10	1		
16:55	MA10571-CCB10	1		
16:59	ZZZZZZ	1		
17:03	FA2134-5	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	17:07	FA2134-6	1		
---------->	Last reportable sample/prep for job FA2134				
	17:11	ZZZZZZ	1		
	17:16	ZZZZZZ	1		
	17:20	MP24697-MB1	1		
	17:24	MP24697-B1	1		
	17:28	FA1975-1A	1		(sample used for QC only; not part of login FA2134)
	17:32	MP24697-D1	1		
	17:36	MP24697-SD1	5		
	17:40	MA10571-CCV11	1		
	17:44	MA10571-CCB11	1		
	17:49	MP24697-S1	1		
	17:53	MP24697-S2	1		
	17:56	ZZZZZZ	1		
	18:01	ZZZZZZ	1		
	18:05	ZZZZZZ	1		
	18:09	ZZZZZZ	1		
	18:13	ZZZZZZ	1		
	18:17	MP24697-D2	1		
	18:21	MP24697-MB2	1		
	18:26	MP24697-B2	1		
	18:30	MA10571-CCV12	1		
	18:34	MA10571-CCB12	1		
	18:38	MP24700-MB1	1		
	18:42	MP24700-B1	1		
	18:46	FA2170-1	1		(sample used for QC only; not part of login FA2134)
	18:50	MP24700-D1	1		
	18:54	MP24700-SD1	5		
	18:58	MP24700-PS1	1		
	19:02	MP24700-S1	1		
	19:06	MP24700-S2	1		
	19:10	ZZZZZZ	1		
	19:14	ZZZZZZ	1		
	19:19	MA10571-CCV13	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:23	MA10571-CCB13	1		
19:27	ZZZZZZ	1		
19:31	ZZZZZZ	1		
19:35	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:47	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:56	ZZZZZZ	1		
20:00	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:08	MA10571-CCV14	1		
20:12	MA10571-CCB14	1		
20:17	ZZZZZZ	1		
20:21	MA10571-CRIA2	1		
20:25	MA10571-ICSA2	1		
20:29	MA10571-ICSAB2	1		
20:33	MA10571-CCV15	1		
20:37	MA10571-CCB15	1		

----------> Last reportable CCB for job FA2134
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:22	MA10571-STD1	6876	35464	4184	3143
08:26	MA10571-STD2	6781	34657	4159	2877
08:30	MA10571-STD3	6461	33303	4130	2539
08:35	MA10571-STD4	6233	32633	4086	2315
08:41	MA10571-HSTD1	6208	32411	4002	2300
08:48	MA10571-ICV1	6285	32385	4036	2505
08:54	MA10571-ICB1	6811 R	34979 R	4140 R	3135 R
08:57	MA10571-CRIA1	6708	34814	4149	2956
09:05	MA10571-ICSA1	5787	29334	3924	2192
09:15	MA10571-ICSAB1	5789	29620	3918	2174
09:19	MA10571-CCV1	6365	32639	4065	2544
09:30	MA10571-CCB1	6790	35162	4131	3102
09:34	MP24692-MB1	6793	35064	4172	3081
09:38	MP24692-B1	6400	32910	3960	2623
10:16	MA10571-CCV2	6350	32715	4015	2544
10:20	MA10571-CCB2	6757	34852	4069	3110
10:47	ZZZZZZ	5714	30261	3744	2213
10:52	ZZZZZZ	5700	30081	3693	2176
10:56	ZZZZZZ	5693	29873	3760	2173
11:00	ZZZZZZ	5918	30751	3856	2243
11:05	ZZZZZZ	5660	29723	3774	2191
11:09	ZZZZZZ	5644	29870	3712	2187
11:14	MA10571-CCV3	6471	33333	3914	2543
11:17	MA10571-CCB3	6754	34673	3957	3124
11:22	ZZZZZZ	5602	29310	3720	2184
11:26	ZZZZZZ	5660	29759	3749	2179
11:31	ZZZZZZ	5650	29730	3681	2162
11:35	ZZZZZZ	5720	29886	3652	2194
11:39	ZZZZZZ	5747	29822	3749	2218
11:44	ZZZZZZ	5670	29986	3733	2230
11:48	ZZZZZZ	5768	30262	3735	2269
11:53	ZZZZZZ	5879	30722	3784	2208
11:57	ZZZZZZ	5686	29876	3662	2205

INTERNAL STANDARD SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:01	ZZZZZZ	5910	30906	3801	2268
12:06	MA10571-CCV4	6357	32734	3889	2558
12:10	MA10571-CCB4	6719	34830	3884	3124
12:14	ZZZZZZ	5723	30365	3662	2199
12:18	ZZZZZZ	5899	30855	3786	2212
12:23	ZZZZZZ	7547	38680	4547	2737
12:27	ZZZZZZ	7206	36962	4324	2778
12:31	ZZZZZZ	6012	31616	3669	2467
12:35	ZZZZZZ	6285	32691	3788	2594
12:40	ZZZZZZ	6136	32103	3778	2592
12:44	ZZZZZZ	6108	32008	3784	2590
12:48	ZZZZZZ	8199	42134	4944	2725
12:52	ZZZZZZ	7831	40054	4599	2787
12:56	MA10571-CCV5	6289	32643	3820	2547
13:00	MA10571-CCB5	6599	34384	3872	3133
13:04	MP24698-MB1	6487	36103	3784	3042
13:09	MP24698-B1	6273	32835	3790	2670
13:13	FA2156-1	6105			
13:17	MP24698-D1	5806			
13:21	MP24698-SD1	6188			
13:26	MP24698-PS1	6045			
13:30	MP24698-S1	6048			
13:34	MP24698-S2	5788			
13:38	ZZZZZZ	5838			
13:43	ZZZZZZ	5879			
13:47	MA10571-CCV6	6242	33133	3773	2575
13:51	MA10571-CCB6	6556	34502	3728	3110
14:18	MA10571-CCV7	6118	32201	3777	2577
14:26	MA10571-CCB7	6490	34616	3814	3122
14:30	FA2156-1	6173	32815	3743	2559
14:34	MP24698-D1	6024	31953	3721	2487
14:39	MP24698-SD1	6348	33213	3812	2908
14:43	MP24698-PS1	5531	31025	3704	2316

INTERNAL STANDARD SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:47	MP24698-S1	6110	32317	3862	2562
14:51	MP24698-S2	6048	32193	3786	2423
14:55	ZZZZZZ	6138	32459	3718	2505
14:59	ZZZZZZ	6041	31684	3715	2517
15:03	MP24695-MB1	6420	34029	3851	3122
15:08	MP24695-B1	6159	32591	3817	2710
15:12	MA10571-CCV8	6106	32371	3773	2559
15:16	MA10571-CCB8	6610	34549	3753	3135
15:20	FA2128-1	6418	33716	3841	2728
15:24	MP24695-D1	6280	33334	3907	2716
15:28	MP24695-SD1	6389	33823	3862	2950
15:32	MP24695-PS1	6253	33137	3896	2671
15:36	MP24695-S1	6379	33588	3765	2600
15:40	MP24695-S2	6364	33265	3911	2609
15:44	ZZZZZZ	6277	33321	3870	2730
15:49	ZZZZZZ	6217	32993	3907	2752
15:53	ZZZZZZ	6376	33974	3946	2752
15:57	ZZZZZZ	6116	32292	3723	2596
16:01	MA10571-CCV9	6210	32679	3735	2580
16:05	MA10571-CCB9	6465	33958	3833	3144
16:13	ZZZZZZ	5960	31909	3743	2531
16:17	ZZZZZZ	6150	32673	3727	2683
16:22	ZZZZZZ	6053	31808	3881	2430
16:26	ZZZZZZ	6405	34034	3905	3039
16:30	ZZZZZZ	6103	32915	3866	2719
16:34	ZZZZZZ	6077	32486	3787	2630
16:38	ZZZZZZ	6321	33594	3843	2731
16:42	ZZZZZZ	6134	32449	3782	2694
16:47	ZZZZZZ	5916	31663	3931	2269
16:51	MA10571-CCV10	6085	32222	3824	2577
16:55	MA10571-CCB10	6555	34703	3810	3137
16:59	ZZZZZZ	6085	32593	3803	2622
17:03	FA2134-5	6572	34826	3959	3156

INTERNAL STANDARD SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:07	FA2134-6	6538	34647	3929	3185
17:11	ZZZZZZ	7120	37415	4225	2970
17:16	ZZZZZZ	6435	34188	3821	2842
17:20	MP24697-MB1	6609	35029	3856	3159
17:24	MP24697-B1	6199	32772	3787	2728
17:28	FA1975-1A	6153	32699	3836	2690
17:32	MP24697-D1	6274	32975	3762	2684
17:36	MP24697-SD1	6361	33388	3698	2865
17:40	MA10571-CCV11	6105	31953	3744	2556
17:44	MA10571-CCB11	6454	34548	3853	3136
17:49	MP24697-S1	6061	31921	3696	2493
17:53	MP24697-S2	6114	32060	3730	2534
17:56	ZZZZZZ	6042	31979	3758	2667
18:01	ZZZZZZ	6052	32113	3726	2646
18:05	ZZZZZZ	6121	32251	3669	2614
18:09	ZZZZZZ	6161	32205	3731	2687
18:13	ZZZZZZ	6045	31737	3757	2645
18:17	MP24697-D2	6168	32782	3717	2665
18:21	MP24697-MB2	6140	32425	3712	2676
18:26	MP24697-B2	5981	31272	3727	2531
18:30	MA10571-CCV12	6073	32090	3750	2573
18:34	MA10571-CCB12	6431	33765	3707	3088
18:38	MP24700-MB1	6634	34808	3722	3224
18:42	MP24700-B1	6290	32719	3773	2750
18:46	FA2170-1	7451	38975	4534	2756
18:50	MP24700-D1	7451	39323	4560	2760
18:54	MP24700-SD1	6703	35374	3871	2928
18:58	MP24700-PS1	7557	39330	4431	2709
19:02	MP24700-S1	7314	38376	4501	2606
19:06	MP24700-S2	7257	38149	4501	2592
19:10	ZZZZZZ	6468	34010	3928	2877
19:14	ZZZZZZ	6508	34435	3956	2638
19:19	MA10571-CCV13	6119	31998	3666	2544

INTERNAL STANDARD SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10571
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:23	MA10571-CCB13	6437	33796	3740	3134
19:27	ZZZZZZ	6911	36059	4089	2936
19:31	ZZZZZZ	6898	36328	4056	2902
19:35	ZZZZZZ	7733	40426	4454	2932
19:39	ZZZZZZ	6860	35896	4090	2870
19:43	ZZZZZZ	6602	34676	4039	2645
19:47	ZZZZZZ	6903	36362	4095	2910
19:52	ZZZZZZ	7583	39741	4476	2656
19:56	ZZZZZZ	7056	36919	4370	2632
20:00	ZZZZZZ	8206	42822	4941	2658
20:04	ZZZZZZ	8755 !	45694 !	5273 !	2638
20:08	MA10571-CCV14	6225	32747	3661	2541
20:12	MA10571-CCB14	6586	34433	3670	3110
20:17	ZZZZZZ	6831	35816	4253	2397
20:21	MA10571-CRIA2	6383	33559	3714	2947
20:25	MA10571-ICSA2	5566	28858	3585	2211
20:29	MA10571-ICSAB2	5588	28991	3551	2167
20:33	MA10571-CCV15	6261	32259	3650	2561
20:37	MA10571-CCB15	6529	34194	3734	3125

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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10571 Units: ug/l

Time:			08:54		09:30		10:20		11:17	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.80	<200	2.0	<200	6.8	<200	-2.7	<200
Antimony	6.0	1.3	0.80	<6.0	0.10	<6.0	-0.20	<6.0	-1.0	<6.0
Arsenic	10	1.6	0.30	<10	0.0	<10	-0.20	<10	0.80	<10
Barium	200	1	0.20	<200	0.20	<200	0.30	<200	0.10	<200
Beryllium	4.0	.5	0.10	<4.0	0.20	<4.0	0.20	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.0	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	2.8	<1000	9.7	<1000	6.5	<1000	19.7	<1000
Chromium	10	1.8	0.10	<10	0.30	<10	0.20	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-0.40	<300	4.1	<300	8.6	<300	4.6	<300
Lead	5.0	1.1	-0.20	<5.0	0.10	<5.0	0.0	<5.0	-0.50	<5.0
Magnesium	5000	74	27.1	<5000	17.8	<5000	26.8	<5000	22.4	<5000
Manganese	15	.7	0.10	<15	0.10	<15	0.10	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.10	<40	0.40	<40	0.40	<40	0.40	<40
Potassium	10000	200	115	<10000	13.2	<10000	15.2	<10000	144	<10000
Selenium	10	2	0.80	<10	-0.10	<10	-0.30	<10	-1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	47.6	<10000	52.5	<10000	24.2	<10000	84.3	<10000
Strontium	10	.5								
Thallium	10	1.3	0.80	<10	0.10	<10	-0.10	<10	-0.50	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.20	<50	-0.10	<50	0.0	<50	0.0	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10571 Units: ug/l

Time:			12:10		13:00		13:51		14:26	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.7	<200	-1.9	<200	-16	<200	1.8	<200
Antimony	6.0	1.3	-0.80	<6.0	-0.20	<6.0	0.50	<6.0	0.10	<6.0
Arsenic	10	1.6	0.20	<10	0.50	<10	0.70	<10	-0.20	<10
Barium	200	1	0.10	<200	0.40	<200	0.0	<200	0.20	<200
Beryllium	4.0	.5	0.10	<4.0	0.30	<4.0	0.10	<4.0	0.10	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.10	<5.0	0.30	<5.0
Calcium	1000	50	16.6	<1000	14.4	<1000	18.1	<1000	5.3	<1000
Chromium	10	1.8	0.0	<10	0.30	<10	0.0	<10	-0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	7.5	<300	8.0	<300	2.3	<300	3.6	<300
Lead	5.0	1.1	0.0	<5.0	-0.10	<5.0	-0.10	<5.0	0.60	<5.0
Magnesium	5000	74	22.3	<5000	26.5	<5000	21.6	<5000	7.2	<5000
Manganese	15	.7	0.10	<15	0.20	<15	0.0	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.10	<40	0.20	<40	0.0	<40	0.30	<40
Potassium	10000	200	41.7	<10000	12.3	<10000	-20	<10000	34.3	<10000
Selenium	10	2	-0.40	<10	0.30	<10	-0.40	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	58.1	<10000	41.4	<10000	54.0	<10000	12.5	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.10	<10	-0.20	<10	-0.70	<10	0.0	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.0	<50	-0.10	<50	-0.30	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10571 Units: ug/l

Time:			15:16		16:05		16:55		17:44	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.4	<200	-3.3	<200	-1.1	<200	6.7	<200
Antimony	6.0	1.3	0.20	<6.0	0.20	<6.0	-0.80	<6.0	0.30	<6.0
Arsenic	10	1.6	-0.40	<10	0.10	<10	-0.20	<10	0.10	<10
Barium	200	1	0.10	<200	0.0	<200	0.10	<200	0.30	<200
Beryllium	4.0	.5	0.10	<4.0	0.0	<4.0	0.10	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.30	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	7.8	<1000	-2.9	<1000	-1.0	<1000	2.3	<1000
Chromium	10	1.8	-0.20	<10	-0.30	<10	0.0	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	5.3	<300	8.0	<300	7.6	<300	8.6	<300
Lead	5.0	1.1	0.60	<5.0	0.30	<5.0	0.20	<5.0	0.80	<5.0
Magnesium	5000	74	20.8	<5000	3.5	<5000	12.1	<5000	13.0	<5000
Manganese	15	.7	0.20	<15	0.10	<15	0.10	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.20	<40	0.10	<40	0.0	<40	0.10	<40
Potassium	10000	200	8.8	<10000	34.2	<10000	175	<10000	35.4	<10000
Selenium	10	2	-0.70	<10	-1.5	<10	-0.50	<10	-1.1	<10
Silver	10	.5	anr							
Sodium	10000	500	4.0	<10000	62.7	<10000	156	<10000	47.9	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.10	<10	-0.20	<10	-0.50	<10	-0.80	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.20	<50	0.10	<50	0.20	<50	0.10	<50
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10571 Units: ug/l

Time:			18:34		19:23		20:12		20:37	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	14.0	<200	4.5	<200	-7.1	<200	7.8	<200
Antimony	6.0	1.3	0.30	<6.0	-0.40	<6.0	0.0	<6.0	-0.50	<6.0
Arsenic	10	1.6	-0.40	<10	-0.20	<10	-0.30	<10	-0.50	<10
Barium	200	1	0.40	<200	0.40	<200	0.0	<200	0.0	<200
Beryllium	4.0	.5	0.20	<4.0	0.30	<4.0	0.0	<4.0	0.0	<4.0
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	3.6	<1000	-0.80	<1000	5.5	<1000	5.3	<1000
Chromium	10	1.8	0.20	<10	-0.10	<10	-0.30	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	10.3	<300	8.1	<300	5.3	<300	8.1	<300
Lead	5.0	1.1	1.1	<5.0	0.80	<5.0	0.50	<5.0	0.30	<5.0
Magnesium	5000	74	-5.2	<5000	-1.7	<5000	7.2	<5000	-7.5	<5000
Manganese	15	.7	0.30	<15	0.30	<15	0.10	<15	0.20	<15
Molybdenum	50	.6	anr							
Nickel	40	.5	0.20	<40	0.30	<40	0.10	<40	0.10	<40
Potassium	10000	200	33.1	<10000	18.1	<10000	4.8	<10000	-6.7	<10000
Selenium	10	2	-0.80	<10	0.60	<10	0.10	<10	-1.1	<10
Silver	10	.5	anr							
Sodium	10000	500	108	<10000	71.6	<10000	78.3	<10000	34.2	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.90	<10	0.30	<10	-0.50	<10	-0.70	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.30	<50	0.10	<50	0.10	<50	0.10	<50
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		08:48			09:19			10:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41400	103.5	40000	40100	100.3	40000	40500	101.3
Antimony	2000	2100	105.0	2000	2030	101.5	2000	2070	103.5
Arsenic	2000	2050	102.5	2000	2010	100.5	2000	2050	102.5
Barium	2000	2060	103.0	2000	2000	100.0	2000	2040	102.0
Beryllium	2000	2110	105.5	2000	2040	102.0	2000	2060	103.0
Cadmium	2000	2090	104.5	2000	2020	101.0	2000	2040	102.0
Calcium	40000	42000	105.0	40000	40200	100.5	40000	40600	101.5
Chromium	2000	2110	105.5	2000	2030	101.5	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	41500	103.8	40000	40900	102.3	40000	41600	104.0
Lead	2000	2020	101.0	2000	1970	98.5	2000	2010	100.5
Magnesium	40000	39800	99.5	40000	40400	101.0	40000	41000	102.5
Manganese	2000	2120	106.0	2000	2060	103.0	2000	2080	104.0
Molybdenum	anr								
Nickel	2000	2130	106.5	2000	2060	103.0	2000	2090	104.5
Potassium	40000	41300	103.3	40000	40400	101.0	40000	41100	102.8
Selenium	2000	2130	106.5	2000	2030	101.5	2000	2060	103.0
Silver	anr								
Sodium	40000	41100	102.8	40000	40000	100.0	40000	40600	101.5
Strontium									
Thallium	2000	2130	106.5	2000	2000	100.0	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	2000	100.0	2000	2070	103.5	2000	2080	104.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		11:14			12:06			12:56	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39300	98.3	40000	39000	97.5
Antimony	2000	1990	99.5	2000	2050	102.5	2000	2060	103.0
Arsenic	2000	1970	98.5	2000	2030	101.5	2000	2030	101.5
Barium	2000	2010	100.5	2000	2000	100.0	2000	1990	99.5
Beryllium	2000	1950	97.5	2000	2000	100.0	2000	1980	99.0
Cadmium	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Calcium	40000	39800	99.5	40000	40100	100.3	40000	39800	99.5
Chromium	2000	2000	100.0	2000	2030	101.5	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	40000	40000	100.0	40000	41200	103.0	40000	41000	102.5
Lead	2000	1940	97.0	2000	1980	99.0	2000	1980	99.0
Magnesium	40000	39500	98.8	40000	40100	100.3	40000	40000	100.0
Manganese	2000	2020	101.0	2000	2060	103.0	2000	2060	103.0
Molybdenum	anr								
Nickel	2000	2010	100.5	2000	2070	103.5	2000	2080	104.0
Potassium	40000	39600	99.0	40000	40000	100.0	40000	39300	98.3
Selenium	2000	1980	99.0	2000	2050	102.5	2000	2050	102.5
Silver	anr								
Sodium	40000	39500	98.8	40000	38700	96.8	40000	38400	96.0
Strontium									
Thallium	2000	1970	98.5	2000	2010	100.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	2020	101.0	2000	2080	104.0	2000	2050	102.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		13:47			14:18			15:12	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38900	97.3	40000	40000	100.0	40000	40300	100.8
Antimony	2000	2110	105.5	2000	2040	102.0	2000	2040	102.0
Arsenic	2000	2070	103.5	2000	2020	101.0	2000	2030	101.5
Barium	2000	2030	101.5	2000	1990	99.5	2000	2020	101.0
Beryllium	2000	2040	102.0	2000	2050	102.5	2000	2070	103.5
Cadmium	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Calcium	40000	40000	100.0	40000	40400	101.0	40000	40600	101.5
Chromium	2000	1950	97.5	2000	2050	102.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	42800	107.0	40000	40800	102.0	40000	41700	104.3
Lead	2000	2010	100.5	2000	1980	99.0	2000	2000	100.0
Magnesium	40000	40900	102.3	40000	40400	101.0	40000	40800	102.0
Manganese	2000	2090	104.5	2000	2050	102.5	2000	2070	103.5
Molybdenum	anr								
Nickel	2000	2130	106.5	2000	2060	103.0	2000	2070	103.5
Potassium	40000	39100	97.8	40000	40300	100.8	40000	40200	100.5
Selenium	2000	2080	104.0	2000	2050	102.5	2000	2050	102.5
Silver	anr								
Sodium	40000	37500	93.8	40000	39900	99.8	40000	39800	99.5
Strontium									
Thallium	2000	2040	102.0	2000	2000	100.0	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	2030	101.5	2000	2080	104.0	2000	2070	103.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		16:01			16:51			17:40	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	39700	99.3	40000	40500	101.3
Antimony	2000	2010	100.5	2000	2080	104.0	2000	2060	103.0
Arsenic	2000	1990	99.5	2000	2040	102.0	2000	2040	102.0
Barium	2000	1990	99.5	2000	1990	99.5	2000	1990	99.5
Beryllium	2000	2040	102.0	2000	2060	103.0	2000	2060	103.0
Cadmium	2000	2000	100.0	2000	2010	100.5	2000	2040	102.0
Calcium	40000	40700	101.8	40000	40100	100.3	40000	41000	102.5
Chromium	2000	2030	101.5	2000	2040	102.0	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	41300	103.3	40000	41100	102.8
Lead	2000	1950	97.5	2000	2000	100.0	2000	2010	100.5
Magnesium	40000	40400	101.0	40000	40300	100.8	40000	40800	102.0
Manganese	2000	2030	101.5	2000	2080	104.0	2000	2080	104.0
Molybdenum	anr								
Nickel	2000	2010	100.5	2000	2080	104.0	2000	2070	103.5
Potassium	40000	39800	99.5	40000	39800	99.5	40000	40100	100.3
Selenium	2000	2000	100.0	2000	2070	103.5	2000	2070	103.5
Silver	anr								
Sodium	40000	39600	99.0	40000	38200	95.5	40000	39600	99.0
Strontium									
Thallium	2000	1980	99.0	2000	2020	101.0	2000	2030	101.5
Tin									
Titanium									
Vanadium	2000	2060	103.0	2000	2090	104.5	2000	2120	106.0
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		18:30			19:19			20:08	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40400	101.0	40000	40200	100.5
Antimony	2000	2080	104.0	2000	2040	102.0	2000	1990	99.5
Arsenic	2000	2060	103.0	2000	2020	101.0	2000	1980	99.0
Barium	2000	2000	100.0	2000	2000	100.0	2000	2010	100.5
Beryllium	2000	2080	104.0	2000	2030	101.5	2000	2020	101.0
Cadmium	2000	2030	101.5	2000	2030	101.5	2000	2020	101.0
Calcium	40000	40700	101.8	40000	40800	102.0	40000	40500	101.3
Chromium	2000	2060	103.0	2000	2070	103.5	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	41300	103.3	40000	40500	101.3	40000	40300	100.8
Lead	2000	2020	101.0	2000	1990	99.5	2000	1970	98.5
Magnesium	40000	40700	101.8	40000	40300	100.8	40000	40000	100.0
Manganese	2000	2090	104.5	2000	2060	103.0	2000	2040	102.0
Molybdenum	anr								
Nickel	2000	2090	104.5	2000	2050	102.5	2000	1990	99.5
Potassium	40000	40200	100.5	40000	39800	99.5	40000	39500	98.8
Selenium	2000	2080	104.0	2000	2050	102.5	2000	2000	100.0
Silver	anr								
Sodium	40000	39000	97.5	40000	39700	99.3	40000	39500	98.8
Strontium									
Thallium	2000	2030	101.5	2000	2010	100.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	2110	105.5	2000	2090	104.5	2000	2030	101.5
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10571 Units: ug/l

Time:		20:33	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Aluminum	40000	40100	100.3
Antimony	2000	1980	99.0
Arsenic	2000	1980	99.0
Barium	2000	1990	99.5
Beryllium	2000	1990	99.5
Cadmium	2000	2020	101.0
Calcium	40000	40600	101.5
Chromium	2000	2090	104.5
Cobalt	anr		
Copper	anr		
Iron	40000	39700	99.3
Lead	2000	1970	98.5
Magnesium	40000	39900	99.8
Manganese	2000	2070	103.5
Molybdenum	anr		
Nickel	2000	1990	99.5
Potassium	40000	39200	98.0
Selenium	2000	1990	99.5
Silver	anr		
Sodium	40000	39700	99.3
Strontium			
Thallium	2000	1990	99.5
Tin			
Titanium			
Vanadium	2000	2080	104.0
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10571 Units: ug/l

Time:		08:41	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	3980	99.5
Arsenic	4000	4000	100.0
Barium	4000	4010	100.3
Beryllium	4000	3960	99.0
Cadmium	4000	3960	99.0
Calcium	80000	79700	99.6
Chromium	4000	3950	98.8
Cobalt	anr		
Copper	anr		
Iron	80000	79500	99.4
Lead	4000	4050	101.3
Magnesium	80000	79900	99.9
Manganese	4000	3960	99.0
Molybdenum	anr		
Nickel	4000	3950	98.8
Potassium	80000	80500	100.6
Selenium	4000	3960	99.0
Silver	anr		
Sodium	80000	80500	100.6
Strontium			
Thallium	4000	4010	100.3
Tin			
Titanium			
Vanadium	4000	3940	98.5
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10571 Units: ug/l

Time:			08:57		20:21	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	202	101.0	207	103.5
Antimony	10	5.0	5.0	100.0	4.3	86.0
Arsenic	20	10	10.4	104.0	9.8	98.0
Barium	400	200	198	99.0	202	101.0
Beryllium	10	5.0	5.1	102.0	5.1	102.0
Cadmium	10	5.0	5.1	102.0	5.2	104.0
Calcium	2000	1000	1030	103.0	1070	107.0
Chromium	20	10	9.9	99.0	10.3	103.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	322	107.3	336	112.0
Lead	10	5.0	5.1	102.0	5.6	112.0
Magnesium	10000	5000	5030	100.6	5220	104.4
Manganese	30	15	15.6	104.0	16.4	109.3
Molybdenum	100	50	anr			
Nickel	80	40	42.1	105.3	43.0	107.5
Potassium	20000	10000	9710	97.1	10100	101.0
Selenium	20	10	9.5	95.0	10.1	101.0
Silver	20	10	anr			
Sodium	20000	10000	9860	98.6	10200	102.0
Strontium	20	10				
Thallium	20	10	9.0	90.0	9.0	90.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	47.4	94.8	49.7	99.4
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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022813M1.ICP Date Analyzed: 02/28/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10571 Units: ug/l

Time:			09:05		09:15		20:25		20:29	
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	504000	100.8	520000	104.0	506000	101.2
Antimony		1000	1.4		1010	101.0	-0.40		1000	100.0
Arsenic		1000	-1.2		1010	101.0	-1.5		1010	101.0
Barium		500	-0.40		528	105.6	-0.30		529	105.8
Beryllium		500	0.0		510	102.0	0.0		511	102.2
Cadmium		1000	0.0		964	96.4	-0.80		976	97.6
Calcium	500000	500000	492000	98.4	479000	95.8	496000	99.2	484000	96.8
Chromium		500	-0.20		501	100.2	0.0		511	102.2
Cobalt		500	0.40		475	95.0	0.30		478	95.6
Copper		500	0.10		548	109.6	1.1		554	110.8
Iron	200000	200000	196000	98.0	181000	90.5	195000	97.5	180000	90.0
Lead		1000	0.30		958	95.8	-6.8		970	97.0
Magnesium	500000	500000	491000	98.2	476000	95.2	491000	98.2	476000	95.2
Manganese		500	0.70		516	103.2	0.40		523	104.6
Molybdenum		1000	-0.30		925	92.5	0.10		912	91.2
Nickel		1000	-0.40		955	95.5	-0.20		948	94.8
Potassium			95.4		107		85.2		41.8	
Selenium		1000	0.0		987	98.7	-1.9		989	98.9
Silver		1000	-1.0		1050	105.0	-0.80		1060	106.0
Sodium			149		217		283		229	
Strontium		1000	3.5		991	99.1	3.3		989	98.9
Thallium		1000	0.0		936	93.6	-0.30		951	95.1
Tin		1000	-0.60		865	86.5	0.10		872	87.2
Titanium		1000	-2.8		990	99.0	-2.5		1000	100.0
Vanadium		500	0.10		495	99.0	0.40		501	100.2
Zinc		1000	1.3		984	98.4	1.9		979	97.9

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10579
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:47	MA10579-STD1	1		STDA
07:56	MA10579-STD2	1		STDB
07:59	MA10579-STD3	1		STDC
08:02	MA10579-STD4	1		STDD
08:10	MA10579-HSTD1	1		
08:19	MA10579-ICV1	1		
08:27	MA10579-ICB1	1		
08:32	MA10579-CRIA1	1		
08:40	MA10579-ICSA1	1		
08:52	MA10579-ICSAB1	1		
09:00	MA10579-CCV1	1		
09:06	MA10579-CCB1	1		
09:12	MP24722-MB1	1		
09:16	MP24722-B1	1		
09:20	FA2301-1	1		(sample used for QC only; not part of login FA2134)
09:24	MP24722-D1	1		
09:28	MP24722-SD1	5		
09:32	MP24722-PS1	1		
09:36	MP24722-S1	1		
09:40	MP24722-S2	1		
09:44	ZZZZZZ	1		
09:48	ZZZZZZ	1		
09:53	MA10579-CCV2	1		
09:57	MA10579-CCB2	1		
10:01	ZZZZZZ	1		
10:05	ZZZZZZ	1		
10:09	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:18	ZZZZZZ	1		
10:22	FA2134-1	5		
10:26	FA2134-2	5		
10:30	FA2134-3	5		
10:35	FA2134-4	5		

----------> Last reportable sample/prep for job FA2134

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10579
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:39	ZZZZZZ	1		
10:44	MA10579-CCV3	1		
10:48	MA10579-CCB3	1		
11:39	MA10579-CCV4	1		
11:43	MA10579-CCB4	1		
12:30	MA10579-CCV5	1		
12:34	MA10579-CCB5	1		
12:38	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:20	MA10579-CCV6	1		
13:24	MA10579-CCB6	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:50	MP24730-MB1	1		
13:54	MP24730-B1	1		
13:58	FA2296-1L	1		(sample used for QC only; not part of login FA2134)
14:02	MP24730-D1	1		
14:07	MP24730-SD1	5		
14:11	MA10579-CCV7	1		
14:15	MA10579-CCB7	1		
14:38	MA10579-CCV8	1		
14:48	MA10579-CCB8	1		
14:52	MP24730-S1	1		
14:56	MP24730-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10579
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:00	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:09	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:22	MP24730-D2	1		
15:26	MP24730-MB2	1		
15:30	MP24730-B2	1		
15:34	MA10579-CCV9	1		
15:38	MA10579-CCB9	1		
15:43	MP24730-MB3	1		
15:47	MP24730-B3	1		
15:51	MP24730-MB4	1		
15:56	MP24730-B4	1		
16:00	MA10579-CRIA2	1		
16:04	MA10579-ICSA2	1		
16:08	MA10579-ICSAB2	1		
16:12	MA10579-CCV10	1		
16:16	MA10579-CCB10	1		

----------> Last reportable CCB for job FA2134
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10579
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:47	MA10579-STD1	7854	51700	11914	3407
07:56	MA10579-STD2	7952	51397	11879	3196
07:59	MA10579-STD3	7553	48591	11681	2884
08:02	MA10579-STD4	7105	45900	11682	2647
08:10	MA10579-HSTD1	7202	47818	11185	2692
08:19	MA10579-ICV1	7467	48965	11333	2908
08:27	MA10579-ICB1	7924 R	52970 R	11500 R	3455 R
08:32	MA10579-CRIA1	7841	52009	11317	3263
08:40	MA10579-ICSA1	6750	43236	10471	2500
08:52	MA10579-ICSAB1	6861	43894	10762	2480
09:00	MA10579-CCV1	7579	49051	11137	2857
09:06	MA10579-CCB1	7990	52210	11100	3408
09:12	MP24722-MB1	7749	51246	11290	3302
09:16	MP24722-B1	7486	49404	11030	2956
09:20	FA2301-1	7952	51587	11629	3188
09:24	MP24722-D1	8145	53721	11813	3147
09:28	MP24722-SD1	8034	52717	11447	3384
09:32	MP24722-PS1	7968	51921	11469	3108
09:36	MP24722-S1	7805	50473	11387	2920
09:40	MP24722-S2	7938	50861	11349	2916
09:44	ZZZZZZ	7876	52304	11024	3290
09:48	ZZZZZZ	7799	50792	11186	3286
09:53	MA10579-CCV2	7519	48633	11115	2876
09:57	MA10579-CCB2	7964	51613	11122	3435
10:01	ZZZZZZ	8087	52465	11786	3245
10:05	ZZZZZZ	8010	52060	11620	3024
10:09	ZZZZZZ	8130	52563	11571	3211
10:13	ZZZZZZ	8175	52424	11414	3201
10:18	ZZZZZZ	8126	52506	11272	3321
10:22	FA2134-1	8058	51597	12116	2575
10:26	FA2134-2	6828	43195	10682	2389
10:30	FA2134-3	8561	54264	12563	2894
10:35	FA2134-4	6967	44769	10771	2510

INTERNAL STANDARD SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10579
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:39	ZZZZZZ	8367	53806	14013	1917 !
10:44	MA10579-CCV3	7731	49197	10927	2867
10:48	MA10579-CCB3	8129	52714	10975	3423
11:39	MA10579-CCV4	7527	48342	10519	2813
11:43	MA10579-CCB4	7399	50476	10690	3118
12:30	MA10579-CCV5	7421	47576	10687	2812
12:34	MA10579-CCB5	7852	49938	10857	3391
12:38	ZZZZZZ	7660	49282	10836	3195
12:43	ZZZZZZ	7433	49030	10926	3034
12:47	ZZZZZZ	7354	47606	10704	3026
12:51	ZZZZZZ	7358	47564	10723	3030
12:55	ZZZZZZ	7391	48357	10928	3041
12:59	ZZZZZZ	7484	48420	10818	3079
13:04	ZZZZZZ	7806	50821	10917	3224
13:08	ZZZZZZ	7659	49214	11024	3150
13:12	ZZZZZZ	7609	49738	10978	3236
13:16	ZZZZZZ	7776	49961	10829	3319
13:20	MA10579-CCV6	7480	48077	10741	2853
13:24	MA10579-CCB6	7901	51239	10725	3378
13:29	ZZZZZZ	7717	51047	10963	3296
13:33	ZZZZZZ	7734	50399	10993	3323
13:37	ZZZZZZ	7798	50561	11023	3363
13:50	MP24730-MB1	7836	51326	10917	3385
13:54	MP24730-B1	7476	48229	10757	2994
13:58	FA2296-1L	7032	45282	10561	2800
14:02	MP24730-D1	7058	45229	10369	2790
14:07	MP24730-SD1	7449	47908	10299	3050
14:11	MA10579-CCV7	7046	45797	10380	2706
14:15	MA10579-CCB7	7468	48788	10467	3263
14:38	MA10579-CCV8	7135	45639	10196	2734
14:48	MA10579-CCB8	7552	48879	10260	3237
14:52	MP24730-S1	6845	43589	10101	2603
14:56	MP24730-S2	6863	43726	10067	2620

INTERNAL STANDARD SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10579
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Fe,Pb,Mg,Mn,Ni,K,Se,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:00	ZZZZZZ	6872	43023	10261	2728
15:04	ZZZZZZ	6838	44041	10183	2708
15:09	ZZZZZZ	6909	44361	10133	2711
15:13	ZZZZZZ	7168	45601	10296	2813
15:17	ZZZZZZ	7025	45639	10266	2904
15:22	MP24730-D2	6692	43649	10205	2677
15:26	MP24730-MB2	7462	49031	10462	3263
15:30	MP24730-B2	7174	46762	10234	2872
15:34	MA10579-CCV9	7133	44862	10130	2738
15:38	MA10579-CCB9	7607	48973	10073	3267
15:43	MP24730-MB3	7064	44752	10038	2809
15:47	MP24730-B3	6916	44357	10170	2683
15:51	MP24730-MB4	7465	48920	10534	3272
15:56	MP24730-B4	7218	46664	10305	2908
16:00	MA10579-CRIA2	7414	48024	10312	3143
16:04	MA10579-ICSA2	6488	40921	9818	2402
16:08	MA10579-ICSAB2	6542	41033	9630	2361
16:12	MA10579-CCV10	7280	46646	9981	2732
16:16	MA10579-CCB10	7524	48054	10226	3263

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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10579 Units: ug/l

Time:			08:27		09:06		09:57		10:48	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.8	<200	12.7	<200	3.9	<200	5.5	<200
Antimony	6.0	1.3	1.2	<6.0	-0.40	<6.0	-1.2	<6.0	-1.2	<6.0
Arsenic	10	1.6	0.20	<10	0.50	<10	0.60	<10	0.20	<10
Barium	200	1	-0.10	<200	0.30	<200	0.40	<200	0.70	<200
Beryllium	4.0	.5	-0.10	<4.0	0.20	<4.0	0.30	<4.0	0.10	<4.0
Cadmium	5.0	.5	-0.10	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	-3.2	<1000	14.7	<1000	10.7	<1000	62.8	<1000
Chromium	10	1.8	-0.40	<10	-0.10	<10	0.20	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	-1.9	<300	6.7	<300	8.1	<300	18.9	<300
Lead	5.0	1.1	0.10	<5.0	0.90	<5.0	0.30	<5.0	0.80	<5.0
Magnesium	5000	74	-4.1	<5000	7.7	<5000	3.4	<5000	9.1	<5000
Manganese	15	.7	-0.10	<15	0.10	<15	0.20	<15	1.2	<15
Molybdenum	50	.6								
Nickel	40	.5	-0.10	<40	0.30	<40	0.20	<40	0.40	<40
Potassium	10000	200	43.3	<10000	15.6	<10000	51.1	<10000	283	<10000
Selenium	10	2	0.60	<10	0.70	<10	1.1	<10	1.1	<10
Silver	10	.5	anr							
Sodium	10000	500	-3.7	<10000	1.6	<10000	13.2	<10000	36.9	<10000
Strontium	10	.5								
Thallium	10	1.3	-0.20	<10	0.10	<10	0.90	<10	-0.80	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	-0.10	<50	0.10	<50	0.10	<50	0.0	<50
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10579 Units: ug/l

Time:			11:43		12:34		13:24		14:15	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.4	<200	0.40	<200	5.1	<200	-2.1	<200
Antimony	6.0	1.3	28.0	* (a)	-1.0	<6.0	-1.9	<6.0	-0.40	<6.0
Arsenic	10	1.6	45.2	* (b)	0.30	<10	0.60	<10	0.0	<10
Barium	200	1	0.30	<200	0.0	<200	0.0	<200	-0.10	<200
Beryllium	4.0	.5	0.20	<4.0	-0.10	<4.0	0.0	<4.0	-0.10	<4.0
Cadmium	5.0	.5	3.5	<5.0*(c)	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	22.2	<1000	8.5	<1000	8.6	<1000	9.0	<1000
Chromium	10	1.8	0.20	<10	-0.10	<10	0.0	<10	-0.20	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	5.8	<300	1.8	<300	1.9	<300	2.5	<300
Lead	5.0	1.1	15.9	* (d)	-0.10	<5.0	0.40	<5.0	1.4	<5.0
Magnesium	5000	74	-8.7	<5000	4.8	<5000	11.5	<5000	1.1	<5000
Manganese	15	.7	0.20	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	50	.6								
Nickel	40	.5	3.7	<40	0.20	<40	0.20	<40	0.10	<40
Potassium	10000	200	77.8	<10000	66.5	<10000	48.0	<10000	59.4	<10000
Selenium	10	2	-52	<10**(e)	0.80	<10	0.80	<10	1.1	<10
Silver	10	.5	anr							
Sodium	10000	500	28.9	<10000	45.9	<10000	25.8	<10000	46.4	<10000
Strontium	10	.5								
Thallium	10	1.3	31.0	* (f)	-0.40	<10	0.10	<10	-0.20	<10
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	0.10	<50	0.0	<50	0.10	<50	0.10	<50
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Sb_ reported in the area bracketed by this QC.
(b) No samples for As_ reported in the area bracketed by this QC.
(c) No samples for Cd_ reported in the area bracketed by this QC.
(d) No samples for Pb_ reported in the area bracketed by this QC.
(e) No samples for Se_ reported in the area bracketed by this QC.
(f) No samples for Tl_ reported in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10579 Units: ug/l

Time:			14:48		15:38		16:16	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	2.1	<200	3.4	<200	5.8	<200
Antimony	6.0	1.3	-0.40	<6.0	0.40	<6.0	0.70	<6.0
Arsenic	10	1.6	0.40	<10	0.30	<10	0.20	<10
Barium	200	1	0.0	<200	0.20	<200	0.0	<200
Beryllium	4.0	.5	0.20	<4.0	0.10	<4.0	0.20	<4.0
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.30	<5.0
Calcium	1000	50	11.0	<1000	16.3	<1000	19.1	<1000
Chromium	10	1.8	0.20	<10	0.30	<10	0.20	<10
Cobalt	50	.5						
Copper	25	1						
Iron	300	29	5.3	<300	11.3	<300	12.3	<300
Lead	5.0	1.1	0.0	<5.0	0.70	<5.0	0.20	<5.0
Magnesium	5000	74	9.0	<5000	7.4	<5000	28.7	<5000
Manganese	15	.7	0.20	<15	0.20	<15	0.20	<15
Molybdenum	50	.6						
Nickel	40	.5	0.40	<40	0.30	<40	0.40	<40
Potassium	10000	200	5.3	<10000	37.5	<10000	-0.70	<10000
Selenium	10	2	-0.20	<10	0.50	<10	0.40	<10
Silver	10	.5	anr					
Sodium	10000	500	-18	<10000	19.2	<10000	-1.4	<10000
Strontium	10	.5						
Thallium	10	1.3	-0.20	<10	0.10	<10	0.30	<10
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5	0.30	<50	0.30	<50	0.50	<50
Zinc	20	3						

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10579 Units: ug/l

Time:		08:19			09:00			09:53	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	40400	101.0	40000	40500	101.3
Antimony	2000	2050	102.5	2000	1930	96.5	2000	1970	98.5
Arsenic	2000	2010	100.5	2000	1940	97.0	2000	1980	99.0
Barium	2000	2130	106.5	2000	2070	103.5	2000	2040	102.0
Beryllium	2000	2170	108.5	2000	2040	102.0	2000	2060	103.0
Cadmium	2000	2050	102.5	2000	2010	100.5	2000	2030	101.5
Calcium	40000	42000	105.0	40000	40900	102.3	40000	40900	102.3
Chromium	2000	2040	102.0	2000	1990	99.5	2000	2020	101.0
Cobalt									
Copper									
Iron	40000	42100	105.3	40000	40600	101.5	40000	40700	101.8
Lead	2000	1970	98.5	2000	2030	101.5	2000	2020	101.0
Magnesium	40000	40200	100.5	40000	40600	101.5	40000	41000	102.5
Manganese	2000	2070	103.5	2000	2010	100.5	2000	2020	101.0
Molybdenum									
Nickel	2000	2080	104.0	2000	1950	97.5	2000	2000	100.0
Potassium	40000	41200	103.0	40000	39600	99.0	40000	40400	101.0
Selenium	2000	2090	104.5	2000	1950	97.5	2000	1990	99.5
Silver	anr								
Sodium	40000	41000	102.5	40000	40300	100.8	40000	40300	100.8
Strontium									
Thallium	2000	2110	105.5	2000	1970	98.5	2000	2000	100.0
Tin									
Titanium									
Vanadium	2000	1930	96.5	2000	1990	99.5	2000	2030	101.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10579 Units: ug/l

Time:		10:44			11:39			12:30	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40700	101.8	40000	40700	101.8
Antimony	2000	1850	92.5	2000	1920	96.0	2000	1980	99.0
Arsenic	2000	1890	94.5	2000	1940	97.0	2000	1990	99.5
Barium	2000	2020	101.0	2000	2050	102.5	2000	2090	104.5
Beryllium	2000	1930	96.5	2000	1970	98.5	2000	2010	100.5
Cadmium	2000	1990	99.5	2000	2040	102.0	2000	2050	102.5
Calcium	40000	40700	101.8	40000	40800	102.0	40000	40600	101.5
Chromium	2000	2000	100.0	2000	2020	101.0	2000	2040	102.0
Cobalt									
Copper									
Iron	40000	38800	97.0	40000	39500	98.8	40000	40200	100.5
Lead	2000	2050	102.5	2000	2080	104.0	2000	2050	102.5
Magnesium	40000	39500	98.8	40000	40200	100.5	40000	40100	100.3
Manganese	2000	1970	98.5	2000	1980	99.0	2000	2040	102.0
Molybdenum									
Nickel	2000	1890	94.5	2000	1960	98.0	2000	2000	100.0
Potassium	40000	39600	99.0	40000	40700	101.8	40000	41200	103.0
Selenium	2000	1880	94.0	2000	1950	97.5	2000	2000	100.0
Silver	anr								
Sodium	40000	40200	100.5	40000	41200	103.0	40000	41100	102.8
Strontium									
Thallium	2000	1930	96.5	2000	1980	99.0	2000	2010	100.5
Tin									
Titanium									
Vanadium	2000	1980	99.0	2000	2000	100.0	2000	2050	102.5
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10579 Units: ug/l

Time:		13:20			14:11			14:38	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	42000	105.0	40000	40500	101.3
Antimony	2000	1960	98.0	2000	2110	105.5	2000	2030	101.5
Arsenic	2000	1960	98.0	2000	2110	105.5	2000	2020	101.0
Barium	2000	2050	102.5	2000	2140	107.0	2000	2060	103.0
Beryllium	2000	1990	99.5	2000	2080	104.0	2000	2110	105.5
Cadmium	2000	2020	101.0	2000	2150	107.5	2000	2030	101.5
Calcium	40000	39900	99.8	40000	41700	104.3	40000	40900	102.3
Chromium	2000	2010	100.5	2000	2120	106.0	2000	2030	101.5
Cobalt									
Copper									
Iron	40000	39700	99.3	40000	41500	103.8	40000	41800	104.5
Lead	2000	2010	100.5	2000	2120	106.0	2000	1960	98.0
Magnesium	40000	39600	99.0	40000	41200	103.0	40000	41200	103.0
Manganese	2000	2020	101.0	2000	2110	105.5	2000	2080	104.0
Molybdenum									
Nickel	2000	1980	99.0	2000	2130	106.5	2000	2050	102.5
Potassium	40000	40700	101.8	40000	42700	106.8	40000	41000	102.5
Selenium	2000	1970	98.5	2000	2120	106.0	2000	2040	102.0
Silver	anr								
Sodium	40000	40500	101.3	40000	42400	106.0	40000	40600	101.5
Strontium									
Thallium	2000	2000	100.0	2000	2130	106.5	2000	2020	101.0
Tin									
Titanium									
Vanadium	2000	2010	100.5	2000	2130	106.5	2000	2060	103.0
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10579 Units: ug/l

Time:		15:34			16:12	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40000	100.0
Antimony	2000	2030	101.5	2000	1940	97.0
Arsenic	2000	2030	101.5	2000	1950	97.5
Barium	2000	2070	103.5	2000	2070	103.5
Beryllium	2000	2110	105.5	2000	2040	102.0
Cadmium	2000	2030	101.5	2000	1990	99.5
Calcium	40000	40700	101.8	40000	40700	101.8
Chromium	2000	2060	103.0	2000	1970	98.5
Cobalt						
Copper						
Iron	40000	42100	105.3	40000	41100	102.8
Lead	2000	1950	97.5	2000	1980	99.0
Magnesium	40000	41300	103.3	40000	40900	102.3
Manganese	2000	2130	106.5	2000	2030	101.5
Molybdenum						
Nickel	2000	2060	103.0	2000	1970	98.5
Potassium	40000	40800	102.0	40000	39500	98.8
Selenium	2000	2030	101.5	2000	1950	97.5
Silver	anr					
Sodium	40000	40300	100.8	40000	40100	100.3
Strontium						
Thallium	2000	2030	101.5	2000	1970	98.5
Tin						
Titanium						
Vanadium	2000	2090	104.5	2000	1970	98.5
Zinc						

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10579 Units: ug/l

Time:		08:10	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	81400	101.8
Antimony	4000	4050	101.3
Arsenic	4000	4030	100.8
Barium	4000	4100	102.5
Beryllium	4000	4120	103.0
Cadmium	4000	3940	98.5
Calcium	80000	81000	101.3
Chromium	4000	3880	97.0
Cobalt			
Copper			
Iron	80000	82900	103.6
Lead	4000	3970	99.3
Magnesium	80000	82800	103.5
Manganese	4000	3920	98.0
Molybdenum			
Nickel	4000	4000	100.0
Potassium	80000	83200	104.0
Selenium	4000	4040	101.0
Silver	anr		
Sodium	80000	80700	100.9
Strontium			
Thallium	4000	4020	100.5
Tin			
Titanium			
Vanadium	4000	3920	98.0
Zinc			

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10579 Units: ug/l

Time:			08:32		16:00	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	199	99.5	209	104.5
Antimony	10	5.0	4.2	84.0	5.4	108.0
Arsenic	20	10	10.2	102.0	10.2	102.0
Barium	400	200	207	103.5	207	103.5
Beryllium	10	5.0	5.0	100.0	5.2	104.0
Cadmium	10	5.0	5.0	100.0	5.2	104.0
Calcium	2000	1000	1050	105.0	1050	105.0
Chromium	20	10	10.0	100.0	10.3	103.0
Cobalt	100	50				
Copper	50	25				
Iron	600	300	313	104.3	335	111.7
Lead	10	5.0	5.2	104.0	5.2	104.0
Magnesium	10000	5000	5150	103.0	5220	104.4
Manganese	30	15	15.4	102.7	16.2	108.0
Molybdenum	100	50				
Nickel	80	40	41.0	102.5	42.9	107.3
Potassium	20000	10000	9790	97.9	10200	102.0
Selenium	20	10	11.0	110.0	10.7	107.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	10100	101.0
Strontium	20	10				
Thallium	20	10	9.4	94.0	9.1	91.0
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	46.4	92.8	48.5	97.0
Zinc	40	20				

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

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

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10579 Units: ug/l

Time:			08:40		08:52		16:04		16:08	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	516000	103.2	507000	101.4	505000	101.0	512000	102.4
Antimony		1000	-1.0		965	96.5	2.5		984	98.4
Arsenic		1000	-1.6		958	95.8	-2.2		975	97.5
Barium		500	0.0		531	106.2	0.10		538	107.6
Beryllium		500	-0.30		504	100.8	-0.10		521	104.2
Cadmium		1000	0.0		947	94.7	0.0		945	94.5
Calcium	500000	500000	495000	99.0	480000	96.0	484000	96.8	484000	96.8
Chromium		500	-0.20		481	96.2	0.20		486	97.2
Cobalt		500	0.40		466	93.2	0.60		467	93.4
Copper		500	-0.60		512	102.4	-1.1		533	106.6
Iron	200000	200000	200000	100.0	190000	95.0	200000	100.0	197000	98.5
Lead		1000	0.10		959	95.9	-3.2		933	93.3
Magnesium	500000	500000	510000	102.0	490000	98.0	499000	99.8	500000	100.0
Manganese		500	-0.90		491	98.2	-0.70		510	102.0
Molybdenum		1000	-0.50		862	86.2	-0.20		885	88.5
Nickel		1000	0.0		908	90.8	-0.10		928	92.8
Potassium			71.5		45.8		41.0		21.2	
Selenium		1000	0.90		951	95.1	0.0		962	96.2
Silver		1000	0.0		1000	100.0	0.40		1050	105.0
Sodium			63.1		83.9		127		102	
Strontium		1000	11.4		957	95.7	12.1		996	99.6
Thallium		1000	-1.7		917	91.7	0.80		929	92.9
Tin		1000	-0.60		833	83.3	-0.10		840	84.0
Titanium		1000	-2.9		931	93.1	-2.5		970	97.0
Vanadium		500	0.10		469	93.8	0.30		479	95.8
Zinc		1000	0.0		956	95.6	2.1		951	95.1

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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 FA2134)
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: FA2134
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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 FA2134)
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	ZZZZZZ	10		
12:54	ZZZZZZ	5		
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	FA2134-1	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:27	FA2134-2	20		
	13:32	FA2134-4	20		
---------->	Last reportable sample/prep for job FA2134				
	13:36	FA2397-1	25		(sample used for QC only; not part of login FA2134)
	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 FA2134)
	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: FA2134
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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 FA2134)
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 FA2134
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2134
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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: FA2134
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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	ZZZZZZ	6931	37550	8618	2271
12:54	ZZZZZZ	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	FA2134-1	6668	36345	8323	2324

INTERNAL STANDARD SUMMARY

Login Number: FA2134
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:27	FA2134-2	6089	33635	7653	2334
13:32	FA2134-4	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: FA2134
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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: FA2134
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: Sb,Cd,Ca,Cr,Pb,Se,Tl

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: FA2134
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	anr							
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	anr							
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	anr							
Lead	5.0	1.1	-0.60	<5.0	-0.50	<5.0	-0.30	<5.0	-0.60	<5.0
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	-0.10	<10	-0.90	<10	-0.60	<10	-0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	0.0	<10	-0.50	<10	-0.30	<10	-0.20	<10
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: FA2134
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	anr							
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	anr							
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	anr							
Lead	5.0	1.1	-0.50	<5.0	0.40	<5.0	0.10	<5.0	0.20	<5.0
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	-0.90	<10	0.0	<10	-0.20	<10	-0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	-0.10	<10	0.40	<10	0.50	<10	0.80	<10
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: FA2134
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	anr							
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	anr							
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	anr							
Lead	5.0	1.1	-0.40	<5.0	-0.30	<5.0	-0.60	<5.0	0.10	<5.0
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	-0.30	<10	-0.50	<10	-0.30	<10	-0.70	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	0.10	<10	-0.10	<10	0.60	<10	0.40	<10
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: FA2134
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	anr			
Antimony	6.0	1.3	0.40	<6.0	0.0	<6.0
Arsenic	10	1.6	anr			
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	anr			
Lead	5.0	1.1	0.50	<5.0	-0.10	<5.0
Magnesium	5000	74	anr			
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	anr			
Selenium	10	2	1.2	<10	0.70	<10
Silver	10	.5	anr			
Sodium	10000	500	anr			
Strontium	10	.5				
Thallium	10	1.3	-0.30	<10	-0.30	<10
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: FA2134
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	anr								
Antimony	2000	2030	101.5	2000	1880	94.0	2000	1900	95.0
Arsenic	anr								
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	anr								
Lead	2000	1950	97.5	2000	1870	93.5	2000	1880	94.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2060	103.0	2000	1890	94.5	2000	1910	95.5
Silver	anr								
Sodium	anr								
Strontium									
Thallium	2000	2070	103.5	2000	1910	95.5	2000	1920	96.0
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: FA2134
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	anr								
Antimony	2000	1910	95.5	2000	1890	94.5	2000	2020	101.0
Arsenic	anr								
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	anr								
Lead	2000	1880	94.0	2000	1860	93.0	2000	1970	98.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	1920	96.0	2000	1900	95.0	2000	2030	101.5
Silver	anr								
Sodium	anr								
Strontium									
Thallium	2000	1920	96.0	2000	1900	95.0	2000	1990	99.5
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: FA2134
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	anr								
Antimony	2000	2040	102.0	2000	2090	104.5	2000	2150	107.5
Arsenic	anr								
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	anr								
Lead	2000	1980	99.0	2000	2020	101.0	2000	2090	104.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2050	102.5	2000	2090	104.5	2000	2160	108.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	2000	2000	100.0	2000	2040	102.0	2000	2100	105.0
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: FA2134
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	anr								
Antimony	2000	2030	101.5	2000	1970	98.5	2000	2060	103.0
Arsenic	anr								
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	anr								
Lead	2000	1990	99.5	2000	1940	97.0	2000	2010	100.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2040	102.0	2000	1960	98.0	2000	2060	103.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	2000	2030	101.5	2000	1980	99.0	2000	2050	102.5
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: FA2134
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	anr					
Antimony	2000	2110	105.5	2000	2090	104.5
Arsenic	anr					
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	anr					
Lead	2000	2080	104.0	2000	2050	102.5
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	2000	2100	105.0	2000	2080	104.0
Silver	anr					
Sodium	anr					
Strontium						
Thallium	2000	2130	106.5	2000	2090	104.5
Tin	anr					
Titanium						
Vanadium						
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA2134
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	anr		
Antimony	4000	3990	99.8
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	4000	3930	98.3
Calcium	80000	78800	98.5
Chromium	4000	3910	97.8
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	4030	100.8
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	4000	3960	99.0
Silver	anr		
Sodium	anr		
Strontium			
Thallium	4000	4000	100.0
Tin	anr		
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2134
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	anr			
Antimony	10	5.0	4.4	88.0	6.4	128.0
Arsenic	20	10	anr			
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	anr			
Lead	10	5.0	4.4	88.0	4.5	90.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	9.6	96.0	10.0	100.0
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	8.8	88.0	9.5	95.0
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: FA2134
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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24695
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-0.30	<200
Antimony	6.0	1.3	1.3	0.0	<6.0
Arsenic	10	1.6	2.5	-0.90	<10
Barium	200	1	1	0.10	<200
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	9.7	<1000
Chromium	10	1.8	2	-0.20	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-1.8	<300
Lead	5.0	1.1	1.1	0.40	<5.0
Magnesium	5000	74	74	20.9	<5000
Manganese	15	.7	.7	0.0	<15
Molybdenum	50	.6	1		
Nickel	40	.5	.5	-0.10	<40
Potassium	10000	200	200	-50	<10000
Selenium	10	2	2	-0.90	<10
Silver	10	.5	.5		
Sodium	10000	500	500	-11	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3	-1.3	<10
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1	0.0	<50
Zinc	20	3	5		

Associated samples MP24695: FA2134-5, FA2134-6

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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24695
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/13 02/28/13

Metal	FA2128-1 Original	DUP	RPD	QC Limits	FA2128-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	4760	4860	2.1	0-20	4760	33200	27000	105.3	80-120
Antimony	0.0	0.0	NC	0-20	0.0	506	500	101.2	80-120
Arsenic	6.8	6.1	10.9	0-20	6.8	1970	2000	98.2	80-120
Barium	13.3	13.3	0.0	0-20	13.3	2150	2000	106.8	80-120
Beryllium	0.0	0.0	NC	0-20	0.0	54.4	50	108.8	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	49.4	50	98.8	80-120
Calcium	2290	2360	3.0	0-20	2290	28800	25000	106.0	80-120
Chromium	6.0	5.9	1.7	0-20	6.0	210	200	102.0	80-120
Cobalt	anr								
Copper	anr								
Iron	1330	1400	5.1	0-20	1330	29300	26000	107.6	80-120
Lead	2.5	2.4	4.1	0-20	2.5	481	500	95.7	80-120
Magnesium	922	974	5.5	0-20	922	26700	25000	103.1	80-120
Manganese	3.6	3.8	5.4	0-20	3.6	513	500	101.9	80-120
Molybdenum	anr								
Nickel	3.8	4.1	7.6	0-20	3.8	511	500	101.4	80-120
Potassium	3430	3620	5.4	0-20	3430	29500	25000	104.3	80-120
Selenium	0.0	0.0	NC	0-20	0.0	1990	2000	99.5	80-120
Silver	anr								
Sodium	90000	90800	0.9	0-20	90000	114000	25000	96.0	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	2010	2000	100.5	80-120
Tin									
Titanium									
Vanadium	15.5	15.9	2.5	0-20	15.5	495	500	95.9	80-120
Zinc	anr								

Associated samples MP24695: FA2134-5, FA2134-6

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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24695
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/13

Metal	FA2128-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	4760	33000	27000	104.6	0.6	20
Antimony	0.0	526	500	105.2	3.9	20
Arsenic	6.8	2050	2000	102.2	4.0	20
Barium	13.3	2090	2000	103.8	2.8	20
Beryllium	0.0	53.6	50	107.2	1.5	20
Cadmium	0.0	51.2	50	102.4	3.6	20
Calcium	2290	28600	25000	105.2	0.7	20
Chromium	6.0	221	200	107.5	5.1	20
Cobalt	anr					
Copper	anr					
Iron	1330	28700	26000	105.3	2.1	20
Lead	2.5	497	500	98.9	3.3	20
Magnesium	922	26500	25000	102.3	0.8	20
Manganese	3.6	529	500	105.1	3.1	20
Molybdenum	anr					
Nickel	3.8	531	500	105.4	3.8	20
Potassium	3430	29500	25000	104.3	0.0	20
Selenium	0.0	2080	2000	104.0	4.4	20
Silver	anr					
Sodium	90000	113000	25000	92.0	0.9	20
Strontium						
Thallium	0.0	2070	2000	103.5	2.9	20
Tin						
Titanium						
Vanadium	15.5	518	500	100.5	4.5	20
Zinc	anr					

Associated samples MP24695: FA2134-5, FA2134-6

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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24695
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28000	27000	103.7	80-120
Antimony	538	500	107.6	80-120
Arsenic	2050	2000	102.5	80-120
Barium	2110	2000	105.5	80-120
Beryllium	54.9	50	109.8	80-120
Cadmium	51.7	50	103.4	80-120
Calcium	26500	25000	106.0	80-120
Chromium	212	200	106.0	80-120
Cobalt	anr			
Copper	anr			
Iron	28200	26000	108.5	80-120
Lead	487	500	97.4	80-120
Magnesium	25900	25000	103.6	80-120
Manganese	533	500	106.6	80-120
Molybdenum	anr			
Nickel	545	500	109.0	80-120
Potassium	25800	25000	103.2	80-120
Selenium	2100	2000	105.0	80-120
Silver	anr			
Sodium	25600	25000	102.4	80-120
Strontium				
Thallium	2070	2000	103.5	80-120
Tin				
Titanium				
Vanadium	504	500	100.8	80-120
Zinc	anr			

Associated samples MP24695: FA2134-5, FA2134-6

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24695
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/13

Metal	FA2128-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	4760	5170	8.5	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	6.80	0.00	100.0(a)	0-10
Barium	13.3	15.9	19.5 (a)	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	2290	2980	30.0 (a)	0-10
Chromium	6.00	0.00	100.0(a)	0-10
Cobalt	anr			
Copper	anr			
Iron	1330	1460	9.8	0-10
Lead	2.50	6.40	156.0(a)	0-10
Magnesium	922	1050	13.9 (a)	0-10
Manganese	3.60	4.30	19.4 (a)	0-10
Molybdenum	anr			
Nickel	3.80	4.30	13.2 (a)	0-10
Potassium	3430	4040	17.9 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	90000	96700	7.5	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	15.5	16.8	8.4	0-10
Zinc	anr			

Associated samples MP24695: FA2134-5, FA2134-6

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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24695
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/28/13

Metal	Sample ml	Final ml	FA2128-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	4761	4665.78	7190	0.2	125	2500	101.0	80-120
Antimony	9.8	10	0	0	105.4	0.2	5	100	105.4	80-120
Arsenic	9.8	10	6.8	6.664	107.2	0.2	5	100	100.5	80-120
Barium	9.8	10	13.3	13.034	263.3	0.2	12.5	250	100.1	80-120
Beryllium	9.8	10	0	0	53.6	0.2	2.5	50	107.2	80-120
Cadmium	9.8	10	0	0	51.2	0.2	2.5	50	102.4	80-120
Calcium	9.8	10	2289	2243.22	8259	0.2	250	5000	120.0	80-120
Chromium	9.8	10	6	5.88	57.5	0.2	2.5	50	103.2	80-120
Cobalt										
Copper										
Iron	9.8	10	1331	1304.38	4546	0.2	150	3000	108.1	80-120
Lead	9.8	10	2.5	2.45	50.7	0.2	2.5	50	96.5	80-120
Magnesium	9.8	10	921.7	903.266	5961	0.2	250	5000	101.2	80-120
Manganese	9.8	10	3.6	3.528	55.5	0.2	2.5	50	103.9	80-120
Molybdenum										
Nickel	9.8	10	3.8	3.724	108.5	0.2	5	100	104.8	80-120
Potassium	9.8	10	3426	3357.48	13720	0.2	500	10000	103.6	80-120
Selenium	9.8	10	0	0	101.2	0.2	5	100	101.2	80-120
Silver										
Sodium	9.8	10	89950	88151	98250	0.2	500	10000	101.0	80-120
Strontium										
Thallium	9.8	10	0	0	99.8	0.2	5	100	99.8	80-120
Tin										
Titanium										
Vanadium	9.8	10	15.5	15.19	63.8	0.2	2.5	50	97.2	80-120
Zinc										

Associated samples MP24695: FA2134-5, FA2134-6

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24722
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 03/05/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1	0.64	<10
Antimony	1.0	.065	.095	-0.050	<1.0
Arsenic	0.50	.08	.08	-0.015	<0.50
Barium	10	.05	.25	0.015	<10
Beryllium	0.25	.025	.025	-0.015	<0.25
Cadmium	0.20	.025	.025	-0.010	<0.20
Calcium	250	2.5	2.5	2.1	<250
Chromium	0.50	.09	.09	-0.0050	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5	0.91	<15
Lead	1.0	.055	.055	0.045	<1.0
Magnesium	250	3.7	3.8	-0.060	<250
Manganese	0.75	.035	.045	0.010	<0.75
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025	0.015	<2.0
Potassium	500	10	10	1.1	<500
Selenium	1.0	.1	.15	0.050	<1.0
Silver	0.50	.025	.025		
Sodium	500	25	25	-0.19	<500
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09	-0.070	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025	-0.010	<2.5
Zinc	1.0	.15	.15		

Associated samples MP24722: FA2134-1, FA2134-2, FA2134-3, FA2134-4

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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24722
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			03/05/13					03/05/13	
Metal	FA2301-1 Original	DUP	RPD	QC Limits	FA2301-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1150	1290	11.5	0-20	1150	3060	1730	110.5	80-120
Antimony	0.0	0.0	NC	0-20	0.0	23.9	32	74.7N(b)	80-120
Arsenic	0.39	0.38	2.6	0-20	0.39	113	128	88.0	80-120
Barium	8.3	9.3	11.4	0-20	8.3	141	128	103.7	80-120
Beryllium	0.0	0.046	200.0(a)	0-20	0.0	3.3	3.2	103.1	80-120
Cadmium	0.078	0.093	17.5	0-20	0.078	3.2	3.2	97.6	80-120
Calcium	1170	1120	4.4	0-20	1170	2560	1600	86.9	80-120
Chromium	1.7	2.0	16.2	0-20	1.7	14.6	12.8	100.8	80-120
Cobalt									
Copper									
Iron	715	813	12.8	0-20	715	2370	1660	99.5	80-120
Lead	22.1	23.6	6.6	0-20	22.1	52.4	32	94.7	80-120
Magnesium	37.2	41.6	11.2	0-20	37.2	1590	1600	97.1	80-120
Manganese	5.3	4.9	7.8	0-20	5.3	35.8	32	95.3	80-120
Molybdenum									
Nickel	0.52	0.65	22.2 (a)	0-20	0.52	31.5	32	96.8	80-120
Potassium	29.5	32.4	9.4	0-20	29.5	1540	1600	94.4	80-120
Selenium	0.0	0.11	200.0(a)	0-20	0.0	117	128	91.4	80-120
Silver	anr								
Sodium	0.00	0.00	NC	0-20	0.00	1560	1600	97.5	80-120
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	124	128	96.9	80-120
Tin									
Titanium									
Vanadium	2.0	1.9	5.1	0-20	2.0	31.7	32	92.8	80-120
Zinc									

Associated samples MP24722: FA2134-1, FA2134-2, FA2134-3, FA2134-4

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 recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24722 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 03/05/13

Metal	FA2301-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	1150	2560	1100	128.0N(a	17.8	20
Antimony	0.0	13.5	20.4	66.2N(a)	55.6 (b)	20
Arsenic	0.39	71.5	81.6	87.2	45.0 (b)	20
Barium	8.3	95.3	81.6	106.6	38.7 (b)	20
Beryllium	0.0	2.2	2.04	107.9	40.0 (b)	20
Cadmium	0.078	2.1	2.04	99.1	41.5 (b)	20
Calcium	1170	2110	1020	92.2	19.3	20
Chromium	1.7	10	8.16	101.7	37.4 (b)	20
Cobalt						
Copper						
Iron	715	1900	1060	111.7	22.0 (b)	20
Lead	22.1	38.4	20.4	79.9N(a)	30.8 (b)	20
Magnesium	37.2	1060	1020	100.3	40.0 (b)	20
Manganese	5.3	25.0	20.4	96.6	35.5 (b)	20
Molybdenum						
Nickel	0.52	20.3	20.4	97.0	43.2 (b)	20
Potassium	29.5	1020	1020	97.1	40.6 (b)	20
Selenium	0.0	74.2	81.6	90.9	44.8 (b)	20
Silver	anr					
Sodium	0.00	1030	1020	101.0	40.9 (b)	20
Strontium						
Thallium	0.0	80.5	81.6	98.7	42.5 (b)	20
Tin						
Titanium						
Vanadium	2.0	21.0	20.4	93.1	40.6 (b)	20
Zinc						

Associated samples MP24722: FA2134-1, FA2134-2, FA2134-3, FA2134-4

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 recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) High RPD due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24722
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 03/05/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1390	1350	103.0	80-120
Antimony	25.0	25	100.0	80-120
Arsenic	97.1	100	97.1	80-120
Barium	108	100	108.0	80-120
Beryllium	2.7	2.5	108.0	80-120
Cadmium	2.6	2.5	104.0	80-120
Calcium	1330	1250	106.4	80-120
Chromium	10.5	10	105.0	80-120
Cobalt				
Copper				
Iron	1360	1300	104.6	80-120
Lead	24.8	25	99.2	80-120
Magnesium	1280	1250	102.4	80-120
Manganese	25.7	25	102.8	80-120
Molybdenum				
Nickel	25.9	25	103.6	80-120
Potassium	1250	1250	100.0	80-120
Selenium	98.5	100	98.5	80-120
Silver	anr			
Sodium	1270	1250	101.6	80-120
Strontium				
Thallium	99.8	100	99.8	80-120
Tin				
Titanium				
Vanadium	24.2	25	96.8	80-120
Zinc				

Associated samples MP24722: FA2134-1, FA2134-2, FA2134-3, FA2134-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24722
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	FA2301-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	17800	19500	9.4	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	6.00	0.00	100.0(a)	0-10
Barium	128	141	10.0	0-10
Beryllium	0.00	0.00	NC	0-10
Cadmium	1.20	0.00	100.0(a)	0-10
Calcium	18100	20300	12.4*(b)	0-10
Chromium	26.7	27.1	1.5	0-10
Cobalt				
Copper				
Iron	11100	12100	9.3	0-10
Lead	342	362	5.9	0-10
Magnesium	576	656	14.0 (a)	0-10
Manganese	82.4	87.2	5.8	0-10
Molybdenum				
Nickel	8.00	8.80	10.0	0-10
Potassium	457	0.00	100.0(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	0.00	0.00	NC	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	30.6	31.7	3.6	0-10
Zinc				

Associated samples MP24722: FA2134-1, FA2134-2, FA2134-3, FA2134-4

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).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24722
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	Sample ml	Final ml	FA2301-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	17820	17463.6	20080	0.2	125	2500	104.7	80-120
Antimony	9.8	10	0	0	93.1	0.2	5	100	93.1	80-120
Arsenic	9.8	10	6	5.88	97.6	0.2	5	100	91.7	80-120
Barium	9.8	10	127.8	125.244	379.6	0.2	12.5	250	101.7	80-120
Beryllium	9.8	10	0	0	52.1	0.2	2.5	50	104.2	80-120
Cadmium	9.8	10	1.2	1.176	51.4	0.2	2.5	50	100.4	80-120
Calcium	9.8	10	18100	17738	23800	0.2	250	5000	121.2*(a	80-120
Chromium	9.8	10	26.7	26.166	75.9	0.2	2.5	50	99.5	80-120
Cobalt										
Copper										
Iron	9.8	10	11070	10848.6	13970	0.2	150	3000	104.0	80-120
Lead	9.8	10	342	335.16	383.3	0.2	2.5	50	96.3	80-120
Magnesium	9.8	10	575.7	564.186	5514	0.2	250	5000	99.0	80-120
Manganese	9.8	10	82.4	80.752	128.8	0.2	2.5	50	96.1	80-120
Molybdenum										
Nickel	9.8	10	8	7.84	105.7	0.2	5	100	97.9	80-120
Potassium	9.8	10	456.7	447.566	10050	0.2	500	10000	96.0	80-120
Selenium	9.8	10	0	0	94.1	0.2	5	100	94.1	80-120
Silver										
Sodium	9.8	10	0	0	10110	0.2	500	10000	101.1	80-120
Strontium										
Thallium	9.8	10	0	0	93.7	0.2	5	100	93.7	80-120
Tin										
Titanium										
Vanadium	9.8	10	30.6	29.988	75.3	0.2	2.5	50	90.6	80-120
Zinc										

Associated samples MP24722: FA2134-1, FA2134-2, FA2134-3, FA2134-4

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
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2134
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	GN54459	5.0	0.70	mg/l	250	249	99.7	90-113%
Chloride	GP21068/GN54361	2.0	0.0	mg/l	50	50.2	100.4	90-110%
Fluoride	GP21068/GN54361	0.20	0.0	mg/l				
Fluoride	GP21068/GN54378			mg/l	2.5	2.62	104.8	90-110%
Fluoride	GP21105/GN54476	1.0	0.0	mg/kg	25.1	25.8	102.8	90-110%
Nitrogen, Ammonia	GP21108/GN54462	0.10	0.0	mg/l	2.5	2.52	100.8	90-110%
Nitrogen, Ammonia	GP21130/GN54532	1.2	0.0	mg/kg	28.8	29.0	100.5	80-120%
Nitrogen, Nitrate	GP21068/GN54361	0.10	0.0	mg/l	2.5	2.46	98.4	90-110%
Nitrogen, Nitrate	GP21105/GN54476	1.0	0.0	mg/kg	25.1	24.9	99.2	90-110%
Nitrogen, Nitrite	GP21068/GN54361	0.10	0.0	mg/l	2.5	2.44	97.6	90-110%
Nitrogen, Total Kjeldahl	GP21095/GN54449	0.53	0.0	mg/l	2.63	2.68	102.1	90-110%
Nitrogen, Total Kjeldahl	GP21096/GN54472	10	0.0	mg/kg	99.1	101	102.0	80-120%
Phosphate, Ortho	GP21063/GN54350			mg/l	.300	0.29	96.0	83-116%
Phosphate, Ortho	GP21063/GN54350	0.10	0.0	mg/l	.300	0.30	101.0	83-116%
Phosphorus, Total	GP21067/GN54379	0.10	0.0	mg/l	.300	0.31	102.0	81-118%
Phosphorus, Total	GP21114/GN54496	6.7	0.0	mg/kg	20.0	19.5	97.6	81-126%
Solids, Total Dissolved	GN54381	100	20.0	mg/l				
Specific Conductivity	GN54352	1.0	0.0	umhos/cm				
Sulfate	GP21068/GN54361	2.0	0.0	mg/l	50	48.4	96.8	90-110%
Sulfate	GP21105/GN54476	20	0.0	mg/kg	502	516	102.8	90-110%

Associated Samples:
Batch GN54352: FA2134-5
Batch GN54381: FA2134-5
Batch GN54459: FA2134-5
Batch GP21063: FA2134-5
Batch GP21067: FA2134-5, FA2134-6
Batch GP21068: FA2134-5, FA2134-6
Batch GP21095: FA2134-6
Batch GP21096: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GP21105: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GP21108: FA2134-6
Batch GP21114: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GP21130: FA2134-1, FA2134-2, FA2134-3, FA2134-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2134
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	GN54459	FA2134-5	mg/l	0.90	1.0	10.5	0-20%
Phosphorus, Total	GP21067/GN54379	FA2110-2	mg/l	0.41	0.40	1.6	0-22%
Phosphorus, Total	GP21114/GN54496	FA2088-2	mg/kg	3150	3060	2.9	0-23%
Solids, Percent	GN54418	FA2088-1	%	91	91.5	0.5	0-5%
Solids, Total Dissolved	GN54381	FA2149-4	mg/l	416	423	1.7	0-5%
Specific Conductivity	GN54352	FA2134-5	umhos/cm	7.8	7.5	3.0	0-10%
pH	GN54342	FA2132-1	su	7.97	7.95	0.2	0-10%
pH	GN54488	FA2134-1	su	8.48	8.62	1.6	0-10%

Associated Samples:
Batch GN54342: FA2134-5, FA2134-6
Batch GN54352: FA2134-5
Batch GN54381: FA2134-5
Batch GN54418: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GN54459: FA2134-5
Batch GN54488: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GP21067: FA2134-5, FA2134-6
Batch GP21114: FA2134-1, FA2134-2, FA2134-3, FA2134-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2134
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	GN54459	FA2134-5	mg/l	0.90	250	252	100.0	90-113%
Chloride	GP21068/GN54361	FA2134-6	mg/l	0.80 U	50	45.8	91.6	90-110%
Fluoride	GP21068/GN54378	FA2134-6	mg/l	0.13	2.5	2.1	78.8N(a)	90-110%
Fluoride	GP21105/GN54476	FA2088-5	mg/kg	18.1	30.6	23.4	17.3N(a)	90-110%
Nitrogen, Ammonia	GP21108/GN54462	FA2085-1	mg/l	0.030 U	2.5	2.3	92.0	90-110%
Nitrogen, Ammonia	GP21130/GN54532	FA2134-4	mg/kg	71.4	34.9	98.9	78.8N(b)	80-120%
Nitrogen, Nitrate	GP21068/GN54361	FA2134-6	mg/l	0.050 U	2.5	2.2	88.0N(a)	90-110%
Nitrogen, Nitrate	GP21105/GN54476	FA2088-5	mg/kg	3.1 U	30.6	17.1	55.9N(a)	90-110%
Nitrogen, Nitrite	GP21068/GN54361	FA2134-6	mg/l	0.050 U	2.5	2.3	92.0	90-110%
Nitrogen, Total Kjeldahl	GP21095/GN54449	FA2149-6	mg/l	11.0	2.63	14.8	144.8(c)	90-110%
Nitrogen, Total Kjeldahl	GP21096/GN54472	FA2047-2	mg/kg	1120	123	882	-194.3(c)	80-120%
Phosphorus, Total	GP21067/GN54379	FA2110-2	mg/l	0.41	.300	0.78	122.0*(a)	81-118%
Phosphorus, Total	GP21114/GN54496	FA2088-2	mg/kg	3150	21.8	2860	0.0(c)	81-126%
Sulfate	GP21068/GN54361	FA2134-6	mg/l	0.60 U	50	43.7	87.4N(a)	90-110%
Sulfate	GP21105/GN54476	FA2088-5	mg/kg	958	612	1270	51.0N(a)	90-110%

Associated Samples:
Batch GN54459: FA2134-5
Batch GP21067: FA2134-5, FA2134-6
Batch GP21068: FA2134-5, FA2134-6
Batch GP21095: FA2134-6
Batch GP21096: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GP21105: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GP21108: FA2134-6
Batch GP21114: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GP21130: FA2134-1, FA2134-2, FA2134-3, FA2134-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(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: FA2134
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	GP21068/GN54361	FA2134-6	mg/l	0.80 U	50	45.8	0.0	
Fluoride	GP21068/GN54378	FA2134-6	mg/l	0.13	2.5	2.1	0.0N(a)	
Fluoride	GP21105/GN54476	FA2088-5	mg/kg	18.1	30.6	22.4	4.4N(a)	
Nitrogen, Ammonia	GP21108/GN54462	FA2085-1	mg/l	0.030 U	2.5	2.3	0.0	20%
Nitrogen, Ammonia	GP21130/GN54532	FA2134-4	mg/kg	71.4	34.2	99.2	0.3(b)	30%
Nitrogen, Nitrate	GP21068/GN54361	FA2134-6	mg/l	0.050 U	2.5	2.2	0.0N(a)	
Nitrogen, Nitrate	GP21105/GN54476	FA2088-5	mg/kg	3.1 U	30.6	17.1	0.0N(a)	
Nitrogen, Nitrite	GP21068/GN54361	FA2134-6	mg/l	0.050 U	2.5	2.3	0.0	
Nitrogen, Total Kjeldahl	GP21095/GN54449	FA2149-6	mg/l	11.0	2.63	14.3	3.4(c)	20%
Nitrogen, Total Kjeldahl	GP21096/GN54472	FA2047-2	mg/kg	1120	120	1210	31.4(c)	30%
Phosphorus, Total	GP21067/GN54379	FA2110-2	mg/l	0.41	.300	0.772	0.6(a)	22%
Phosphorus, Total	GP21114/GN54496	FA2088-2	mg/kg	3150	21.8	3200	11.3(d)	23%
Sulfate	GP21068/GN54361	FA2134-6	mg/l	0.60 U	50	43.8	0.2N(a)	
Sulfate	GP21105/GN54476	FA2088-5	mg/kg	958	612	1230	3.2N(a)	

Associated Samples:
Batch GP21067: FA2134-5, FA2134-6
Batch GP21068: FA2134-5, FA2134-6
Batch GP21095: FA2134-6
Batch GP21096: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GP21105: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GP21108: FA2134-6
Batch GP21114: FA2134-1, FA2134-2, FA2134-3, FA2134-4
Batch GP21130: FA2134-1, FA2134-2, FA2134-3, FA2134-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(d) 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: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313270201.TXT Date Analyzed: 02/27/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54361
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:12	GN54361-CCV1	1		
17:28	GN54361-CCB1	1		
17:44	GP21068-MB1	1		
18:00	GP21068-B1	1		
18:48	ZZZZZZ	1		
19:03	FA2134-5	1		
19:19	FA2134-6	1		
19:35	ZZZZZZ	5		
19:51	ZZZZZZ	10		
20:07	ZZZZZZ	5		
20:23	GN54361-CCV2	1		
20:39	GN54361-CCB2	1		
21:11	ZZZZZZ	5		
21:27	GP21068-S1	1		
21:42	GP21068-S2	1		
21:58	ZZZZZZ	5		
22:14	ZZZZZZ	50		
22:30	ZZZZZZ	50		
22:46	GN54361-CCV3	1		
23:02	GN54361-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313270201.TXT Date Analyzed: 02/27/13 Methods: EPA 300/SW846 9056A
Run ID: GN54361 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54361-CCV1	Chloride	49.4	2.0	0.80	50	98.8	90-110
GN54361-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54361-CCV1	Sulfate	51.7	2.0	0.60	50	103.4	90-110
GN54361-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54361-CCB1	Chloride	0.80 U	2.0	0.80			
GN54361-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54361-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54361-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54361-CCV2	Chloride	49.2	2.0	0.80	50	98.4	90-110
GN54361-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54361-CCV2	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN54361-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54361-CCB2	Chloride	0.80 U	2.0	0.80			
GN54361-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54361-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54361-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54361-CCV3	Chloride	49.4	2.0	0.80	50	98.8	90-110
GN54361-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54361-CCV3	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54361-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54361-CCB3	Chloride	0.80 U	2.0	0.80			
GN54361-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54361-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313280201.TXT Date Analyzed: 02/28/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54378
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:35	GN54378-CCV1	1		
10:51	GN54378-CCB1	1		
11:07	GP21081-MB1	1		
11:23	GP21081-B1	1		
12:26	ZZZZZZ	50		
12:42	ZZZZZZ	10		
12:58	FA1937-8	1		(sample used for QC only; not part of login FA2134)
13:14	ZZZZZZ	5		
13:30	ZZZZZZ	25		
13:46	GN54378-CCV2	1		
14:01	GN54378-CCB2	1		
14:17	ZZZZZZ	1		
14:33	FA2179-20	1		(sample used for QC only; not part of login FA2134)
14:49	ZZZZZZ	1		
15:20	ZZZZZZ	5		
15:51	ZZZZZZ	1		
16:07	ZZZZZZ	5		
16:23	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:55	ZZZZZZ	1		
17:11	GN54378-CCV3	1		
17:27	GN54378-CCB3	1		
17:43	ZZZZZZ	5		
17:58	ZZZZZZ	5		
18:14	ZZZZZZ	5		
18:30	ZZZZZZ	5		
18:46	GP21081-S1	1		
19:02	GP21081-S2	1		
19:18	GP21081-S3	1		
19:34	GP21081-S4	1		
19:50	GP21068-B1	1		
20:22	GN54378-CCV4	1		
20:37	GN54378-CCB4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313280201.TXT Date Analyzed: 02/28/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54378
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:53	FA2134-5	1		
21:09	FA2134-6	1		
21:25	GP21068-S1	1		
21:41	GP21068-S2	1		
21:57	GN54378-CCV5	1		
22:13	GN54378-CCB5	1		
22:29	GP21082-MB1	1		
22:45	GP21082-B1	1		
23:32	FA1928-3	1		(sample used for QC only; not part of login FA2134)
23:48	ZZZZZZ	5		
00:04	ZZZZZZ	5		
00:20	ZZZZZZ	5		
00:36	ZZZZZZ	5		
00:52	ZZZZZZ	1		
01:08	GN54378-CCV6	1		
01:24	GN54378-CCB6	1		
01:39	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:11	GP21082-S1	1		
02:27	GP21082-S2	1		
02:43	GN54378-CCV7	1		
02:59	GN54378-CCB7	1		
03:15	ZZZZZZ	1		
03:31	ZZZZZZ	1		
03:47	ZZZZZZ	1		
05:06	GN54378-CCV8	1		
05:22	GN54378-CCB8	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313280201.TXT Date Analyzed: 02/28/13 Methods: EPA 300/SW846 9056A
Run ID: GN54378 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54378-CCV1	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN54378-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54378-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54378-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54378-CCV3	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54378-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54378-CCV4	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54378-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54378-CCV5	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54378-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54378-CCV6	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54378-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54378-CCV7	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54378-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54378-CCV8	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54378-CCB8	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN1.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2
Analyst: MG Run ID: GN54449
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:41	GN54449-ICV1	1		
08:42	GN54449-CCV1	1		
08:43	GN54449-CCB1	1		
08:44	GP21095-MB1	1		
08:45	GP21095-B1	1		
08:49	ZZZZZZ	1		
08:52	ZZZZZZ	1		
08:53	ZZZZZZ	1		
08:54	ZZZZZZ	1		
08:55	GN54449-CCV2	1		
08:56	GN54449-CCB2	1		
08:57	ZZZZZZ	1		
08:58	FA2134-6	1		
09:00	ZZZZZZ	1		
09:08	GN54449-CCV3	1		
09:09	GN54449-CCB3	1		
09:10	GP21095-S1	2		
09:11	GP21095-S2	2		
09:13	ZZZZZZ	5		
09:14	ZZZZZZ	25		
09:15	ZZZZZZ	2		
09:16	ZZZZZZ	50		
09:17	ZZZZZZ	5		
09:18	ZZZZZZ	2		
09:19	ZZZZZZ	50		
09:20	FA2149-6	2		(sample used for QC only; not part of login FA2134)
09:21	GN54449-CCV4	1		
09:23	GN54449-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN1.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2
Run ID: GN54449 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54449-ICV1	Nitrogen, Total Kjeldahl	2.8	0.50	0.16	2.5	110.0	90-110
GN54449-CCV1	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54449-CCB1	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54449-CCV2	Nitrogen, Total Kjeldahl	2.4	0.50	0.16	2.5	96.0	90-110
GN54449-CCB2	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54449-CCV3	Nitrogen, Total Kjeldahl	2.5	0.50	0.16	2.5	100.0	90-110
GN54449-CCB3	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			
GN54449-CCV4	Nitrogen, Total Kjeldahl	2.3	0.50	0.16	2.5	92.0	90-110
GN54449-CCB4	Nitrogen, Total Kjeldahl	0.16 U	0.50	0.16			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513AMN1.CSV Date Analyzed: 03/05/13 Methods: EPA 350.1
Analyst: VK Run ID: GN54462
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:16	GN54462-ICV1	1		
12:17	GN54462-CCV1	1		
12:18	GN54462-CCB1	1		
12:19	GP21108-MB1	1		
12:20	GP21108-B1	1		
12:21	GP21108-S1	1		
12:22	GP21108-S2	1		
12:23	FA2085-1	1		(sample used for QC only; not part of login FA2134)
12:24	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:28	GN54462-CCV2	1		
12:29	GN54462-CCB2	1		
12:30	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:35	FA2134-6	1		
12:36	GN54462-CCV3	1		
12:37	GN54462-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513AMN1.CSV Date Analyzed: 03/05/13 Methods: EPA 350.1
Run ID: GN54462 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54462-ICV1	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54462-CCV1	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN54462-CCB1	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN54462-CCV2	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54462-CCB2	Nitrogen, Ammonia	0.050	0.10	0.030			
GN54462-CCV3	Nitrogen, Ammonia	2.5	0.10	0.030	2.5	100.0	90-110
GN54462-CCB3	Nitrogen, Ammonia	0.030 U	0.10	0.030			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN2.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2 M
Analyst: MG Run ID: GN54472
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:42	GN54472-ICV1	1		
09:44	GN54472-CCV1	1		
09:45	GN54472-CCB1	1		
09:47	GP21096-MB1	1		
09:48	GP21096-B1	1		
09:57	GN54472-CCV2	1		
09:58	GN54472-CCB2	1		
10:00	ZZZZZZ	1		
10:01	ZZZZZZ	1		
10:02	ZZZZZZ	1		
10:03	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:07	FA2134-1	1		
10:08	FA2134-2	1		
10:10	GN54472-CCV3	1		
10:11	GN54472-CCB3	1		
10:13	FA2047-2	10		(sample used for QC only; not part of login FA2134)
10:14	GP21096-S1	5		
10:15	GP21096-S2	10		
10:17	ZZZZZZ	10		
10:18	ZZZZZZ	25		
10:19	ZZZZZZ	2		
10:20	ZZZZZZ	2		
10:21	ZZZZZZ	25		
10:22	ZZZZZZ	2		
10:23	GN54472-CCV4	1		
10:24	GN54472-CCB4	1		
10:25	ZZZZZZ	2		
10:27	FA2134-3	2		
10:28	FA2134-4	10		
10:29	GN54472-CCV5	1		
10:30	GN54472-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030513TKN2.CSV Date Analyzed: 03/05/13 Methods: EPA 351.2 M
Run ID: GN54472 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54472-ICV1	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54472-CCV1	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54472-CCB1	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV2	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54472-CCB2	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV3	Nitrogen, Total Kjeldahl	2.5	0.25	0.10	2.5	100.0	90-110
GN54472-CCB3	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV4	Nitrogen, Total Kjeldahl	2.3	0.25	0.10	2.5	92.0	90-110
GN54472-CCB4	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			
GN54472-CCV5	Nitrogen, Total Kjeldahl	2.4	0.25	0.10	2.5	96.0	90-110
GN54472-CCB5	Nitrogen, Total Kjeldahl	0.10 U	0.25	0.10			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54476
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:18	GN54476-CCV1	1		
09:33	GN54476-CCB1	1		
09:49	GP21111-MB1	1		
10:05	GP21111-B1	1		
10:53	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:56	ZZZZZZ	200		
12:12	ZZZZZZ	10		
12:28	GN54476-CCV2	1		
12:44	GN54476-CCB2	1		
13:00	FA2319-1	1		(sample used for QC only; not part of login FA2134)
13:16	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:48	ZZZZZZ	10		
14:04	GP21111-S1	1		
14:19	GP21111-S2	1		
14:35	FA2149-1	2		(sample used for QC only; not part of login FA2134)
14:51	FA2149-3	2		(sample used for QC only; not part of login FA2134)
15:07	ZZZZZZ	2		
15:23	ZZZZZZ	25		
15:39	GN54476-CCV3	1		
15:55	GN54476-CCB3	1		
16:11	GP21098-S1	2		
16:27	GP21098-S2	2		
16:42	GP21098-S3	2		
16:58	GP21098-S4	2		
17:14	GN54476-CCV4	1		
17:30	GN54476-CCB4	1		
17:46	GP21105-MB1	1		
18:02	GP21105-B1	1		
18:18	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54476
Parameters: Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:34	ZZZZZZ	5		
18:50	ZZZZZZ	5		
19:05	ZZZZZZ	5		
19:21	FA2088-5	5		(sample used for QC only; not part of login FA2134)
19:37	ZZZZZZ	5		
19:53	FA2134-1	5		
20:25	GN54476-CCV5	1		
20:41	GN54476-CCB5	1		
20:57	FA2134-2	5		
21:13	FA2134-3	5		
21:28	FA2134-4	5		
21:44	GP21105-S1	5		
22:00	GP21105-S2	5		
22:16	ZZZZZZ	10		
22:32	ZZZZZZ	2		
22:48	ZZZZZZ	10		
23:04	ZZZZZZ	10		
23:36	GN54476-CCV6	1		
23:51	GN54476-CCB6	1		
00:07	ZZZZZZ	25		
00:39	ZZZZZZ	5		
00:55	ZZZZZZ	25		
01:11	GN54476-CCV7	1		
01:27	GN54476-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Run ID: GN54476 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54476-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV1	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN54476-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV2	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN54476-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV3	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV3	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54476-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV4	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV4	Sulfate	50.2	2.0	0.60	50	100.4	90-110
GN54476-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV5	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV5	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54476-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV6	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV6	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV6	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN54476-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV7	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV7	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV7	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN54476-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB7	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB7	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030813AMN1.CSV Date Analyzed: 03/08/13 Methods: EPA 350.1 M
Analyst: VK Run ID: GN54532
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:32	GN54532-ICV1	1		
13:33	GN54532-CCV1	1		
13:34	GN54532-CCB1	1		
13:35	GP21130-MB1	1		
13:36	GP21130-B1	1		
13:37	GP21130-S1	1		
13:38	GP21130-S2	1		
13:39	FA2134-4	1		
13:40	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:45	GN54532-CCV2	1		
13:46	GN54532-CCB2	1		
13:47	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:56	ZZZZZZ	1		
13:58	GN54532-CCV3	1		
13:59	GN54532-CCB3	1		
14:01	FA2134-1	1		
14:02	FA2134-2	1		
14:03	FA2134-3	1		
14:04	ZZZZZZ	25		
14:05	ZZZZZZ	25		
14:06	ZZZZZZ	5		
14:07	ZZZZZZ	5		
14:08	ZZZZZZ	2		
14:09	ZZZZZZ	25		
14:10	GN54532-CCV4	1		
14:11	GN54532-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2134
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: A030813AMN1.CSV Date Analyzed: 03/08/13 Methods: EPA 350.1 M
Run ID: GN54532 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54532-ICV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCV1	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCB1	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV2	Nitrogen, Ammonia	2.5	0.10	0.022	2.5	100.0	90-110
GN54532-CCB2	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV3	Nitrogen, Ammonia	2.4	0.10	0.022	2.5	96.0	90-110
GN54532-CCB3	Nitrogen, Ammonia	0.022 U	0.10	0.022			
GN54532-CCV4	Nitrogen, Ammonia	2.4	0.10	0.022	2.5	96.0	90-110
GN54532-CCB4	Nitrogen, Ammonia	0.022 U	0.10	0.022			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: FA2134
Account: WSPECOD WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Sample: FA2134-1 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-45 (0-1)

Wet Weight (Total)	8.65	g
Tare Weight	1.01	g
Dry Weight (Total)	7.86	g
Solids, Percent	89.7	%

Sample: FA2134-2 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-45 (1-2)

Wet Weight (Total)	8.03	g
Tare Weight	1	g
Dry Weight (Total)	7.48	g
Solids, Percent	92.2	%

Sample: FA2134-3 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-45 (4-5)

Wet Weight (Total)	8.51	g
Tare Weight	1.03	g
Dry Weight (Total)	7.2	g
Solids, Percent	82.5	%

Sample: FA2134-4 **Analyzed:** 04-MAR-13 by HH **Method:** SM19 2540G
ClientID: A-45 (9-10)

Wet Weight (Total)	8.19	g
Tare Weight	1.01	g
Dry Weight (Total)	6.95	g
Solids, Percent	82.7	%

Southeast ACCUTEST LABORATORIES

03/14/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA2214

Sampling Dates: 02/26/13 - 02/27/13

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: **107**

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.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **6**
Section 4: Sample Results **8**
4.1: FA2214-1: A-47 9
4.2: FA2214-1F: A-47 11
4.3: FA2214-2: A-46 12
4.4: FA2214-2F: A-46 14
4.5: FA2214-3: WATER-EB-2/27/13 15
Section 5: Misc. Forms **17**
5.1: Chain of Custody 18
Section 6: Metals Analysis - QC Data Summaries **20**
6.1: Inst QC MA10577: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 21
6.2: Inst QC MA10580: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 52
6.3: Inst QC MA10583: Na 66
6.4: Prep QC MP24720: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 87
6.5: Prep QC MP24724: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 93
Section 7: General Chemistry - QC Data Summaries **99**
7.1: Method Blank and Spike Results Summary 100
7.2: Duplicate Results Summary 101
7.3: Matrix Spike Results Summary 102
7.4: Matrix Spike Duplicate Results Summary 103
7.5: Inst QC GN54407: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 104

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA2214

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
FA2214-1	02/26/13	16:50	IP	03/01/13	AQ	Ground Water	A-47
FA2214-1F	02/26/13	16:50	IP	03/01/13	AQ	Groundwater Filtered	A-47
FA2214-2	02/27/13	10:50	IP	03/01/13	AQ	Ground Water	A-46
FA2214-2F	02/27/13	10:50	IP	03/01/13	AQ	Groundwater Filtered	A-46
FA2214-3	02/27/13	13:00	IP	03/01/13	AQ	Equipment Blank	WATER-EB-2/27/13

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA2214

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda **Report Date:** 3/14/2013 11:48:00 AM

3 Sample(s) were collected on/between 02/26/2013 and 02/27/2013 and were received at Accutest SE on 03/01/2013 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of FA2214. 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:** MP24720

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) FA2219-1DUP, FA2219-1MS, FA2219-1MSD, FA2219-1PS, FA2219-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Iron are outside control limits for sample MP24720-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24720-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

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.

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: FA2214-1, FA2214-2, FA2214-3. Samples 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. Refer to lab control or spike blank for recovery information.

FA2214-1 for Nitrogen, Nitrate: Sample received outside the holding time. Dilution required due to matrix interference.

FA2214-1, FA2214-2 for Fluoride: Dilution required due to matrix interference.

FA2214-2 for Nitrogen, Nitrate: Sample received near the end of hold. Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21087

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.
The following samples were prepped outside of holding time for method EPA 365.3: FA2214-1F, FA2214-2F, FA2214-3.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Phosphate, Ortho: Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA2214-1F for Phosphate, Ortho: Sample received outside the holding time.

FA2214-2F for Phosphate, Ortho: Sample analyzed beyond hold time. Dilution required due to matrix interference.

FA2214-3 for Phosphate, Ortho: Sample analyzed beyond hold time.

Matrix: AQ **Batch ID:** GP21099

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2149-1DUP, FA2149-1MSD were used as the QC samples for Phosphorus, Total.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) 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:** GN54391

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

FA2214-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2214-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2214-3 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 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 14, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA2214
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/26/13 thru 02/27/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2214-1	**A-47**					
Aluminum		540	200	15	ug/l	SW846 6010C
Antimony		3.7 J	6.0	1.3	ug/l	SW846 6010C
Arsenic		28.7	10	2.5	ug/l	SW846 6010C
Cadmium		0.70 J	5.0	0.50	ug/l	SW846 6010C
Calcium		285000	1000	50	ug/l	SW846 6010C
Iron		581	300	29	ug/l	SW846 6010C
Magnesium		141000	5000	74	ug/l	SW846 6010C
Potassium		39100	10000	200	ug/l	SW846 6010C
Selenium		4.5 J	10	2.0	ug/l	SW846 6010C
Sodium		115000	40000	2000	ug/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		331	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		331	5.0	0.60	mg/l	SM19 2320B
Chloride		103	20	8.0	mg/l	EPA 300/SW846 9056A
Fluoride [a]		1.6 J	2.0	0.60	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]		10.5	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		511	100	28	mg/l	EPA 365.3
Solids, Total Dissolved		2100	100	10	mg/l	SM19 2540C
Specific Conductivity [c]		2400	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1010	50	15	mg/l	EPA 300/SW846 9056A
pH [d]		6.37			su	SM 4500H B/SW 9040C
FA2214-1F	**A-47**					
Phosphate, Ortho [c]		30.9	25	4.8	mg/l	EPA 365.3
FA2214-2	**A-46**					
Aluminum		1330	200	15	ug/l	SW846 6010C
Antimony		3.4 J	6.0	1.3	ug/l	SW846 6010C
Arsenic		52.3	10	2.5	ug/l	SW846 6010C
Cadmium		7.3	5.0	0.50	ug/l	SW846 6010C
Calcium		207000	1000	50	ug/l	SW846 6010C
Chromium		8.3 J	10	2.0	ug/l	SW846 6010C
Iron		4750	300	29	ug/l	SW846 6010C
Magnesium		220000	5000	74	ug/l	SW846 6010C
Potassium		7870 J	10000	200	ug/l	SW846 6010C
Sodium		104000	40000	2000	ug/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		107	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		107	5.0	0.60	mg/l	SM19 2320B
Chloride		108	20	8.0	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		399	100	28	mg/l	EPA 365.3
Solids, Total Dissolved		2460	100	10	mg/l	SM19 2540C
Specific Conductivity [c]		2240	1.0	1.0	umhos/cm	EPA 120.1

Summary of Hits

Job Number: FA2214
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/26/13 thru 02/27/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sulfate		1130	50	15	mg/l	EPA 300/SW846 9056A
pH [d]		5.67			su	SM 4500H B/SW 9040C
FA2214-2F	**A-46**					
Phosphate, Ortho [e]		155	50	9.5	mg/l	EPA 365.3
FA2214-3	**WATER-EB-2/27/13**					
Calcium		256 J	1000	50	ug/l	SW846 6010C
Magnesium		147 J	5000	74	ug/l	SW846 6010C
Phosphate, Ortho [f]		0.031 J	0.10	0.020	mg/l	EPA 365.3
Specific Conductivity [c]		1.5	1.0	1.0	umhos/cm	EPA 120.1
pH [d]		7.00			su	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample received outside the holding time. 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.
(e) Sample analyzed beyond hold time. DIlution required due to matrix interference.
(f) Sample analyzed beyond hold time.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-47		
Lab Sample ID:	FA2214-1	**Date Sampled:**	02/26/13
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	540	200	15	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	3.7 J	6.0	1.3	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	28.7	10	2.5	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.70 J	5.0	0.50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	285000	1000	50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	2.0 U	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	581	300	29	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	141000	5000	74	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	39100	10000	200	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	4.5 J	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	115000	40000	2000	ug/l	4	03/06/13	03/07/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10580
(2) Instrument QC Batch: MA10583
(3) Prep QC Batch: MP24724

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-47		
Lab Sample ID:	FA2214-1	**Date Sampled:**	02/26/13
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	331	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	331	5.0	0.60	mg/l	1	03/07/13 08:55	AC	SM19 2320B
Chloride	103	20	8.0	mg/l	10	03/01/13 11:10	AA	EPA 300/SW846 9056A
Fluoride [a]	1.6 J	2.0	0.60	mg/l	10	03/01/13 11:10	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	10.5	1.0	0.50	mg/l	10	03/01/13 11:10	AA	EPA 300/SW846 9056A
Phosphorus, Total	511	100	28	mg/l	1000	03/05/13 10:45	LE	EPA 365.3
Solids, Total Dissolved	2100	100	10	mg/l	1	03/05/13	KC	SM19 2540C
Specific Conductivity [c]	2400	1.0	1.0	umhos/cm	1	03/01/13 13:23	HH	EPA 120.1
Sulfate	1010	50	15	mg/l	25	03/01/13 18:51	AA	EPA 300/SW846 9056A
pH [d]	6.37			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. 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-47		
Lab Sample ID:	FA2214-1F	**Date Sampled:**	02/26/13
Matrix:	AQ - Groundwater Filtered	**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 [a]	30.9	25	4.8	mg/l	250	03/01/13 13:25	LE	EPA 365.3

(a) Sample received outside the holding 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: A-46
Lab Sample ID: FA2214-2 **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	1330	200	15	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	3.4 J	6.0	1.3	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	52.3	10	2.5	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	7.3	5.0	0.50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	207000	1000	50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	8.3 J	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	4750	300	29	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	220000	5000	74	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	7870 J	10000	200	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	2.0 U	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	104000	40000	2000	ug/l	4	03/06/13	03/07/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10580
(2) Instrument QC Batch: MA10583
(3) Prep QC Batch: MP24724

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-46		
Lab Sample ID:	FA2214-2	**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	107	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	107	5.0	0.60	mg/l	1	03/07/13 08:55	AC	SM19 2320B
Chloride	108	20	8.0	mg/l	10	03/01/13 11:26	AA	EPA 300/SW846 9056A
Fluoride [a]	0.60 U	2.0	0.60	mg/l	10	03/01/13 11:26	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	0.50 U	1.0	0.50	mg/l	10	03/01/13 11:26	AA	EPA 300/SW846 9056A
Phosphorus, Total	399	100	28	mg/l	1000	03/05/13 10:45	LE	EPA 365.3
Solids, Total Dissolved	2460	100	10	mg/l	1	03/05/13	KC	SM19 2540C
Specific Conductivity [c]	2240	1.0	1.0	umhos/cm	1	03/01/13 13:23	HH	EPA 120.1
Sulfate	1130	50	15	mg/l	25	03/01/13 19:38	AA	EPA 300/SW846 9056A
pH [d]	5.67			su	1	03/01/13 13:30	HH	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample analyzed beyond hold time. 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-46		
Lab Sample ID:	FA2214-2F	**Date Sampled:**	02/27/13
Matrix:	AQ - Groundwater Filtered	**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 [a]	155	50	9.5	mg/l	500	03/01/13 13:25	LE	EPA 365.3

(a) Sample analyzed beyond hold time. DIlution required 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:	WATER-EB-2/27/13		
Lab Sample ID:	FA2214-3	**Date Sampled:**	02/27/13
Matrix:	AQ - Equipment Blank	**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	15 U	200	15	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	256 J	1000	50	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	29 U	300	29	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	147 J	5000	74	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10577
(2) Prep QC Batch: MP24720

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:	WATER-EB-2/27/13		
Lab Sample ID:	FA2214-3	**Date Sampled:**	02/27/13
Matrix:	AQ - Equipment Blank	**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	0.80 U	2.0	0.80	mg/l	1	03/01/13 11:42	AA	EPA 300/SW846 9056A
Fluoride	0.060 U	0.20	0.060	mg/l	1	03/01/13 11:42	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	03/01/13 11:42	AA	EPA 300/SW846 9056A
Phosphate, Ortho [a]	0.031 J	0.10	0.020	mg/l	1	03/01/13 13:25	LE	EPA 365.3
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	03/05/13 10:45	LE	EPA 365.3
Solids, Total Dissolved	10 U	100	10	mg/l	1	03/05/13	KC	SM19 2540C
Specific Conductivity [b]	1.5	1.0	1.0	umhos/cm	1	03/01/13 13:23	HH	EPA 120.1
Sulfate	0.60 U	2.0	0.60	mg/l	1	03/01/13 11:42	AA	EPA 300/SW846 9056A
pH [c]	7.00			su	1	03/01/13 13:30	HH	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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

FA2214

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Number: 36785

Site and Location: Agrium Soda Springs ID

Contact Name: Tim.huff@wspgroup.com

Contact Email:

Sampler's Name: Isaac Pelz

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	Metals (A) Total	pH	Total Phosphorus	General Chem (B)	Metals (A) Dissolved	Dissolved Orthophosphate	Total Orthophosphate			Nº	Remarks
1	A-47		2/26/13	1650	Aq	5	X	X	X	X	Hold	X				*	Dissolved metals are NOT field Filtered and Not Preserved, please lab Filter, HOLD until Total Metal results Available
2	A-46		2/27/13	1050	Aq	5	X	X	X	X	Hold	X					
3	Water-FB-2/27/13		2/27/13	1300	Aq	4	X	X	X	X			X				
								tP									A) Al, Sb, As, Cd, Ca, Fe, Mg, K, Na, Se B) Cl⁻, F⁻, NO₃, SO₄⁻², Bicarbonate, Carbonate, Alkalinity, TDS, Sc

Relinquished by (Signature):	Date / Time	Received by (Signature):	Laboratory Name: Accutest
Relinquished by (Signature): KP 02-01-13	Date / Time 0930	Received by (Signature):	Laboratory Location: Orlando, FL
Turn-Around Time: Std		Tracking Number: 9013 5708 4112	Custody Seal Numbers: 1,2
			Method of Shipment: Fedex

WSP
WSP Environment & Energy

2-6

- ☐ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- ☒ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA2214: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2214 CLIENT: WSP PROJECT: Hgrm

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 4112

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 Weller 03-01-12 REVIEWER SIGNATURE/DATE 03/01/12

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA2214: Chain of Custody

Page 2 of 2

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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:36	MA10577-STD1	1		STDA
08:41	MA10577-STD2	1		STDB
08:44	MA10577-STD3	1		STDC
08:48	MA10577-STD4	1		STDD
08:53	MA10577-HSTD1	1		
09:01	MA10577-ICV1	1		
09:09	MA10577-ICB1	1		
09:14	MA10577-CRIA1	1		
09:22	MA10577-ICSA1	1		
09:33	MA10577-ICSAB1	1		
09:41	MA10577-CCV1	1		
09:51	MA10577-CCB1	1		
09:56	MP24716-MB1	1		
10:01	MP24716-B1	1		
10:05	FA2140-1	1		(sample used for QC only; not part of login FA2214)
10:09	MP24716-D1	1		
10:14	MP24716-SD1	5		
10:19	MP24716-S1	1		
10:23	MP24716-S2	1		
10:27	ZZZZZZ	1		
10:32	MP24717-MB1	1		
10:36	MP24717-B1	1		
10:41	MA10577-CCV2	1		
10:45	MA10577-CCB2	1		
11:09	MA10577-CCV3	1		
11:15	MA10577-CCB3	1		
11:21	FA2227-1	1		(sample used for QC only; not part of login FA2214)
11:26	MP24717-D1	1		
11:31	MP24717-SD1	5		
11:35	MP24717-PS1	1		
11:39	MP24717-S1	1		
11:44	MP24717-S2	1		
11:48	MP24719-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:53	MP24719-B1	1		
11:57	FA2303-1	1		(sample used for QC only; not part of login FA2214)
12:01	MP24719-D1	1		
12:06	MA10577-CCV4	1		
12:10	MA10577-CCB4	1		
12:39	MA10577-CCV5	1		
12:50	MA10577-CCB5	1		
12:54	MP24719-SD1	5		
12:58	MP24719-PS1	1		
13:03	MP24719-S1	1		
13:07	MP24719-S2	1		
13:12	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:39	MA10577-CCV6	1		
13:43	MA10577-CCB6	1		
13:48	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:57	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:19	FA2303-1	5		(sample used for QC only; not part of login FA2214)
14:24	MP24719-D1	5		
14:29	MP24719-S1	5		
14:33	MA10577-CCV7	1		
14:38	MA10577-CCB7	1		
14:42	MP24719-S2	5		
14:47	MP24719-PS1	5		
14:52	MP24719-SD1	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:56	ZZZZZZ	5		
15:01	ZZZZZZ	5		
15:06	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:19	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:28	MA10577-CCV8	1		
15:32	MA10577-CCB8	1		
15:37	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	5		
15:55	ZZZZZZ	10		
15:59	MP24712-MB1	1		
16:04	MP24712-B1	1		
16:08	FA2279-1	1		(sample used for QC only; not part of login FA2214)
16:12	MP24712-D1	1		
16:17	MP24712-S1	1		
16:22	MA10577-CCV9	1		
16:26	MA10577-CCB9	1		
16:46	MA10577-CCV10	1		
16:50	MA10577-CCB10	1		
16:54	MP24712-S2	1		
16:59	MP24712-PS1	1		
17:03	MP24712-SD1	5		
17:08	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:35	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:39	MA10577-CCV11	1		
17:43	MA10577-CCB11	1		
17:48	ZZZZZZ	1		
17:52	ZZZZZZ	2		
17:57	MP24711-MB1	1		
18:01	MP24711-B1	1		
18:06	FA2255-2	1		(sample used for QC only; not part of login FA2214)
18:10	MP24711-D1	1		
18:15	MP24711-S1	1		
18:19	MP24711-S2	1		
18:23	MP24711-PS1	1		
18:28	MP24711-SD1	5		
18:32	MA10577-CCV12	1		
18:36	MA10577-CCB12	1		
18:41	ZZZZZZ	1		
18:46	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:55	ZZZZZZ	1		
18:59	ZZZZZZ	1		
19:04	ZZZZZZ	1		
19:08	MP24708-SD1	25		
19:13	MP24718-MB1	1		
19:18	MP24718-B1	1		
19:22	FA2263-11	1		(sample used for QC only; not part of login FA2214)
19:26	MA10577-CCV13	1		
19:31	MA10577-CCB13	1		
19:35	MP24718-D1	1		
19:40	MP24718-SD1	5		
19:44	MP24718-PS1	1		
19:49	MP24718-S1	1		
19:53	MP24718-S2	1		
19:58	ZZZZZZ	1		
20:02	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:06	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:15	ZZZZZZ	1		
20:20	MA10577-CCV14	1		
20:24	MA10577-CCB14	1		
20:29	ZZZZZZ	1		
20:33	ZZZZZZ	1		
20:37	ZZZZZZ	1		
20:42	ZZZZZZ	1		
20:46	ZZZZZZ	1		
20:51	ZZZZZZ	1		
20:55	ZZZZZZ	1		
21:00	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:09	ZZZZZZ	1		
21:13	MA10577-CCV15	1		
21:18	MA10577-CCB15	1		
21:22	ZZZZZZ	1		
21:27	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:36	ZZZZZZ	1		
21:40	MP24720-MB1	1		
21:45	MP24720-B1	1		
21:49	FA2219-1	1		(sample used for QC only; not part of login FA2214)
21:53	MP24720-D1	1		
21:58	MP24720-SD1	5		
22:02	MP24720-PS1	1		
22:07	MA10577-CCV16	1		
22:11	MA10577-CCB16	1		
22:16	MP24720-S1	1		
22:20	MP24720-S2	1		
22:24	ZZZZZZ	1		
22:29	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	22:33	ZZZZZZ	1		
	22:38	ZZZZZZ	1		
	22:42	ZZZZZZ	1		
	22:47	ZZZZZZ	1		
	22:52	ZZZZZZ	1		
	22:56	ZZZZZZ	1		
	23:01	MA10577-CCV17	1		
	23:05	MA10577-CCB17	1		
	23:10	ZZZZZZ	1		
	23:14	ZZZZZZ	1		
	23:19	ZZZZZZ	1		
	23:23	ZZZZZZ	1		
	23:28	ZZZZZZ	1		
	23:32	ZZZZZZ	1		
	23:37	FA2214-3	1		
---------->	Last reportable sample/prep for job FA2214				
	23:41	ZZZZZZ	1		
	23:46	MP24721-MB1	1		
	23:50	MP24721-B1	1		
	23:55	MA10577-CCV18	1		
	23:59	MA10577-CCB18	1		
	00:04	FA2284-1	1		(sample used for QC only; not part of login FA2214)
	00:08	MP24721-D1	1		
	00:13	MP24721-SD1	5		
	00:17	MP24721-PS1	1		
	00:22	MP24721-S1	1		
	00:26	MP24721-S2	1		
	00:30	FA2284-1F	1		(sample used for QC only; not part of login FA2214)
	00:35	MP24721-D2	1		
	00:39	MP24721-SD2	5		
	00:44	MP24721-PS2	1		
	00:48	MA10577-CCV19	1		
	00:52	MA10577-CCB19	1		
	00:57	MP24721-S3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:01	MP24721-S4	1		
01:05	ZZZZZZ	1		
01:10	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:19	ZZZZZZ	1		
01:23	ZZZZZZ	1		
01:28	ZZZZZZ	1		
01:32	ZZZZZZ	1		
01:37	ZZZZZZ	1		
01:41	MA10577-CCV20	1		
01:46	MA10577-CCB20	1		
01:50	ZZZZZZ	1		
01:55	ZZZZZZ	1		
01:59	ZZZZZZ	1		
02:04	ZZZZZZ	1		
02:08	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:17	FA2220-1F	1		(sample used for QC only; not part of login FA2214)
02:22	ZZZZZZ	1		
02:27	MA10577-CRIA2	1		
02:31	MA10577-ICSA2	1		
02:36	MA10577-CCV21	1		
02:40	MA10577-CCB21	1		
02:45	MA10577-ICSAB2	1		
02:49	MA10577-CCV22	1		
02:54	MA10577-CCB22	1		

----------> Last reportable CCB for job FA2214
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:36	MA10577-STD1	3377	19385	9441	1541
08:41	MA10577-STD2	3370	19589	9621	1512
08:44	MA10577-STD3	3250	19252	9418	1405
08:48	MA10577-STD4	3143	19321	9499	1316
08:53	MA10577-HSTD1	3114	19041	9307	1303
09:01	MA10577-ICV1	3199	19210	9239	1375
09:09	MA10577-ICB1	3322 R	19178 R	9352 R	1512 R
09:14	MA10577-CRIA1	3300	19353	9360	1492
09:22	MA10577-ICSA1	2978	18137	9000	1223
09:33	MA10577-ICSAB1	2953	18071	8912	1201
09:41	MA10577-CCV1	3140	18970	9224	1337
09:51	MA10577-CCB1	3268	19698	9362	1458
09:56	MP24716-MB1	3317	20023	9516	1480
10:01	MP24716-B1	3169	20013	9421	1361
10:05	FA2140-1	3114	19113	9114	1332
10:09	MP24716-D1	3056	19580	9074	1305
10:14	MP24716-SD1	3232	19812	9256	1429
10:19	MP24716-S1	3092	19788	9236	1282
10:23	MP24716-S2	3090	19553	8986	1281
10:27	ZZZZZZ	3129	19609	9120	1350
10:32	MP24717-MB1	3209	20056	9434	1427
10:36	MP24717-B1	3135	19447	9002	1344
10:41	MA10577-CCV2	3143	19817	9172	1313
10:45	MA10577-CCB2	3232	19633	9180	1434
11:09	MA10577-CCV3	3123	19354	9074	1318
11:15	MA10577-CCB3	3198	19381	9122	1425
11:21	FA2227-1	3195	19586	9183	1345
11:26	MP24717-D1	3218	19751	9294	1347
11:31	MP24717-SD1	3241	19543	9194	1413
11:35	MP24717-PS1	3192	19523	9177	1323
11:39	MP24717-S1	3200	19539	9351	1282
11:44	MP24717-S2	3158	18970	9062	1296
11:48	MP24719-MB1	3135	18213	8740	1414

INTERNAL STANDARD SUMMARY

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:53	MP24719-B1	3047	18496	8722	1326
11:57	FA2303-1	2865	17947	8456	1075
12:01	MP24719-D1	2879	18099	8660	1059
12:06	MA10577-CCV4	3050	18271	8771	1320
12:10	MA10577-CCB4	3146	18355	8983	1452
12:39	MA10577-CCV5	2987	17894	8796	1306
12:50	MA10577-CCB5	3132	18310	9001	1440
12:54	MP24719-SD1	3013	18564	8951	1285
12:58	MP24719-PS1	2866	18503	8914	1073
13:03	MP24719-S1	2861	17794	8793	1020
13:07	MP24719-S2	2847	18028	8966	987
13:12	ZZZZZZ	2885	17948	9068	1094
13:17	ZZZZZZ	2962	18543	9161	1088
13:21	ZZZZZZ	3076	18742	9275	1262
13:26	ZZZZZZ	3140	18657	9110	1409
13:30	ZZZZZZ	3322	19317	9517	1366
13:35	ZZZZZZ	3131	18862	9299	1329
13:39	MA10577-CCV6	3062	19064	9175	1302
13:43	MA10577-CCB6	3161	19118	9288	1426
13:48	ZZZZZZ	3130	19241	9289	1356
13:52	ZZZZZZ	3105	18619	8904	1376
13:57	ZZZZZZ	3327	19664	9673	1363
14:06	ZZZZZZ	3328	20091	9664	1340
14:10	ZZZZZZ	3149	18973	9172	1394
14:15	ZZZZZZ	3124	18393	8858	1370
14:19	FA2303-1	2979	18595	8946	1275
14:24	MP24719-D1	3004	18950	9138	1264
14:29	MP24719-S1	3060	19197	9251	1265
14:33	MA10577-CCV7	3034	18617	8953	1300
14:38	MA10577-CCB7	3090	18262	8939	1427
14:42	MP24719-S2	2894	18261	8898	1200
14:47	MP24719-PS1	2960	18727	8993	1263
14:52	MP24719-SD1	3071	18803	9181	1375

INTERNAL STANDARD SUMMARY

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:56	ZZZZZZ	2940	18127	8671	1269
15:01	ZZZZZZ	2973	18365	8934	1272
15:06	ZZZZZZ	3096	18517	9125	1388
15:10	ZZZZZZ	3080	18661	9080	1393
15:14	ZZZZZZ	3056	18414	8925	1379
15:19	ZZZZZZ	3080	18181	8962	1400
15:23	ZZZZZZ	3058	18379	9016	1395
15:28	MA10577-CCV8	3034	18737	9054	1296
15:32	MA10577-CCB8	3105	18418	8858	1422
15:37	ZZZZZZ	3078	18188	8887	1407
15:41	ZZZZZZ	3067	18374	8951	1403
15:46	ZZZZZZ	3082	18426	9044	1402
15:50	ZZZZZZ	4081	24352	12035	1307
15:55	ZZZZZZ	4127	23634	11762	1423
15:59	MP24712-MB1	3142	17643	9026	1469
16:04	MP24712-B1	2985	17803	8737	1341
16:08	FA2279-1	3403	19703	9795	1380
16:12	MP24712-D1	3414	19427	9656	1384
16:17	MP24712-S1	3231	18972	9439	1325
16:22	MA10577-CCV9	2993	17853	8852	1309
16:26	MA10577-CCB9	3067	17733	8870	1428
16:46	MA10577-CCV10	2928	17242	8595	1296
16:50	MA10577-CCB10	3000	17050	8672	1417
16:54	MP24712-S2	3211	18902	9637	1310
16:59	MP24712-PS1	3398	19993	9833	1371
17:03	MP24712-SD1	3162	17875	8941	1430
17:08	ZZZZZZ	3409	19473	9949	1395
17:12	ZZZZZZ	3133	18352	9222	1391
17:17	ZZZZZZ	3213	18817	9422	1386
17:21	ZZZZZZ	3190	18144	9086	1391
17:26	ZZZZZZ	3552	19860	10236	1354
17:30	ZZZZZZ	3288	18981	9657	1388
17:35	ZZZZZZ	3182	18762	9364	1405

INTERNAL STANDARD SUMMARY

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:39	MA10577-CCV11	2954	17243	8544	1311
17:43	MA10577-CCB11	3020	16832	8524	1447
17:48	ZZZZZZ	3110	17850	9134	1393
17:52	ZZZZZZ	3926	22465	11412	1414
17:57	MP24711-MB1	3030	17514	8947	1416
18:01	MP24711-B1	2985	17142	8619	1360
18:06	FA2255-2	2936	16831	8473	1387
18:10	MP24711-D1	2975	17250	8776	1398
18:15	MP24711-S1	2957	17462	8896	1329
18:19	MP24711-S2	2973	17491	8874	1325
18:23	MP24711-PS1	2937	17105	8569	1349
18:28	MP24711-SD1	3013	16943	8542	1444
18:32	MA10577-CCV12	2931	17044	8715	1309
18:36	MA10577-CCB12	3035	17268	8864	1437
18:41	ZZZZZZ	2802	17032	8505	1255
18:46	ZZZZZZ	2940	16818	8601	1400
18:50	ZZZZZZ	3010	17045	8791	1427
18:55	ZZZZZZ	3011	17085	8724	1423
18:59	ZZZZZZ	3054	17538	8873	1434
19:04	ZZZZZZ	3011	16781	8640	1434
19:08	MP24708-SD1	2691	16521	8284	1149
19:13	MP24718-MB1	2973	16924	8674	1402
19:18	MP24718-B1	2942	17124	8550	1335
19:22	FA2263-11	3060	17069	8551	1379
19:26	MA10577-CCV13	2947	17082	8611	1319
19:31	MA10577-CCB13	3032	17260	8746	1433
19:35	MP24718-D1	3149	17904	9068	1409
19:40	MP24718-SD1	3108	17674	8927	1429
19:44	MP24718-PS1	3029	17274	8563	1363
19:49	MP24718-S1	3006	17199	8718	1318
19:53	MP24718-S2	3036	17721	8855	1328
19:58	ZZZZZZ	3233	18280	9210	1427
20:02	ZZZZZZ	3013	17357	8723	1403

INTERNAL STANDARD SUMMARY

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:06	ZZZZZZ	3044	16988	8510	1398
20:11	ZZZZZZ	3044	17390	8959	1370
20:15	ZZZZZZ	3152	17863	9021	1399
20:20	MA10577-CCV14	2990	17573	8862	1321
20:24	MA10577-CCB14	3052	17498	8800	1429
20:29	ZZZZZZ	3036	16881	8457	1394
20:33	ZZZZZZ	3131	17508	8845	1366
20:37	ZZZZZZ	3334	18781	9546	1378
20:42	ZZZZZZ	3130	18408	9180	1400
20:46	ZZZZZZ	2993	17086	8623	1398
20:51	ZZZZZZ	3111	17775	8921	1404
20:55	ZZZZZZ	3058	17143	8609	1400
21:00	ZZZZZZ	3076	17403	8826	1391
21:04	ZZZZZZ	2975	17022	8592	1402
21:09	ZZZZZZ	3062	17407	8740	1406
21:13	MA10577-CCV15	2980	17550	8663	1310
21:18	MA10577-CCB15	3034	17266	8615	1425
21:22	ZZZZZZ	3417	19122	9650	1406
21:27	ZZZZZZ	2976	16984	8542	1403
21:31	ZZZZZZ	3085	17597	8841	1396
21:36	ZZZZZZ	3033	17316	8674	1405
21:40	MP24720-MB1	3057	17632	8870	1432
21:45	MP24720-B1	2985	17572	8731	1348
21:49	FA2219-1	3021	17628	8945	1413
21:53	MP24720-D1	2990	17101	8656	1416
21:58	MP24720-SD1	3021	17243	8700	1433
22:02	MP24720-PS1	2980	17403	8804	1381
22:07	MA10577-CCV16	2939	17412	8718	1298
22:11	MA10577-CCB16	3028	17504	8713	1418
22:16	MP24720-S1	2942	17365	8701	1320
22:20	MP24720-S2	2971	17518	8684	1327
22:24	ZZZZZZ	3043	17904	9014	1415
22:29	ZZZZZZ	3040	17758	8980	1418

INTERNAL STANDARD SUMMARY

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:33	ZZZZZZ	3001	17049	8602	1419
22:38	ZZZZZZ	3011	16345	8601	1431
22:42	ZZZZZZ	2988	17180	8698	1414
22:47	ZZZZZZ	3016	17414	8825	1420
22:52	ZZZZZZ	3000	17742	8947	1413
22:56	ZZZZZZ	3019	17540	8943	1418
23:01	MA10577-CCV17	2925	17505	8686	1285
23:05	MA10577-CCB17	3033	17514	8748	1414
23:10	ZZZZZZ	3038	17806	8864	1416
23:14	ZZZZZZ	3132	18399	9032	1409
23:19	ZZZZZZ	2973	17464	8653	1370
23:23	ZZZZZZ	3041	17689	8861	1386
23:28	ZZZZZZ	2956	17773	8771	1353
23:32	ZZZZZZ	2847	17381	8607	1318
23:37	FA2214-3	2996	17384	8791	1403
23:41	ZZZZZZ	2990	17486	8783	1403
23:46	MP24721-MB1	3015	18299	8829	1412
23:50	MP24721-B1	2973	17683	8734	1338
23:55	MA10577-CCV18	2925	17492	8636	1284
23:59	MA10577-CCB18	2966	16989	8468	1396
00:04	FA2284-1	3021	17188	8778	1420
00:08	MP24721-D1	2995	17164	8750	1409
00:13	MP24721-SD1	2973	17017	8709	1405
00:17	MP24721-PS1	2998	17491	8918	1386
00:22	MP24721-S1	2957	17327	8802	1331
00:26	MP24721-S2	2951	17487	8828	1329
00:30	FA2284-1F	3013	17512	8937	1414
00:35	MP24721-D2	3045	17769	8976	1422
00:39	MP24721-SD2	2989	17318	8672	1401
00:44	MP24721-PS2	3000	17607	8887	1381
00:48	MA10577-CCV19	2890	17230	8622	1276
00:52	MA10577-CCB19	2975	16819	8424	1414
00:57	MP24721-S3	2915	16976	8413	1328

INTERNAL STANDARD SUMMARY

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:01	MP24721-S4	2936	17106	8728	1331
01:05	ZZZZZZ	2974	17075	8788	1403
01:10	ZZZZZZ	2997	17374	8883	1406
01:14	ZZZZZZ	2989	17357	8951	1403
01:19	ZZZZZZ	2974	17337	8776	1398
01:23	ZZZZZZ	3024	17672	8963	1417
01:28	ZZZZZZ	2978	17433	8913	1395
01:32	ZZZZZZ	3005	17595	8906	1407
01:37	ZZZZZZ	2985	17344	8825	1402
01:41	MA10577-CCV20	2855	16561	8323	1280
01:46	MA10577-CCB20	2945	16598	8523	1410
01:50	ZZZZZZ	2970	16928	8756	1414
01:55	ZZZZZZ	2961	16964	8811	1408
01:59	ZZZZZZ	2986	17306	8991	1418
02:04	ZZZZZZ	2992	17323	9014	1418
02:08	ZZZZZZ	2982	17378	8957	1422
02:13	ZZZZZZ	2978	17245	8850	1409
02:17	FA2220-1F	2983	17344	8882	1413
02:22	ZZZZZZ	2971	17172	8803	1406
02:27	MA10577-CRIA2	2942	17080	8589	1384
02:31	MA10577-ICSA2	2670	16068	8329	1129
02:36	MA10577-CCV21	2885	17277	8700	1283
02:40	MA10577-CCB21	2969	17024	8630	1409
02:45	MA10577-ICSAB2	2634	15459	8034	1118
02:49	MA10577-CCV22	2846	16548	8509	1287
02:54	MA10577-CCB22	2924	16623	8640	1408

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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			09:09		09:51		10:45		11:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-5.6	<200	-3.3	<200	2.1	<200	-3.7	<200
Antimony	6.0	1.3	1.0	<6.0	0.90	<6.0	0.0	<6.0	-0.50	<6.0
Arsenic	10	1.6	-0.10	<10	0.0	<10	-0.70	<10	1.3	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	1.6	<1000	11.1	<1000	11.5	<1000	7.6	<1000
Chromium	10	1.8	0.60	<10	0.70	<10	0.50	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	5.1	<300	12.4	<300	16.4	<300	11.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-6.8	<5000	0.30	<5000	0.90	<5000	0.80	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	3.4	<10000	-3.7	<10000	21.5	<10000	13.0	<10000
Selenium	10	2	-1.9	<10	1.3	<10	1.1	<10	-1.9	<10
Silver	10	.5	anr							
Sodium	10000	500	0.60	<10000	13.2	<10000	18.3	<10000	5.7	<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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			12:10		12:50		13:43		14:38	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.30	<200	0.80	<200	-7.9	<200	7.7	<200
Antimony	6.0	1.3	-0.10	<6.0	1.4	<6.0	0.80	<6.0	0.80	<6.0
Arsenic	10	1.6	1.2	<10	0.30	<10	0.70	<10	0.50	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	18.7	<1000	6.2	<1000	2.6	<1000	11.0	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	-0.30	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	11.2	<300	7.8	<300	3.4	<300	9.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-6.7	<5000	8.3	<5000	5.2	<5000	9.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	14.6	<10000	6.9	<10000	21.2	<10000	25.9	<10000
Selenium	10	2	-0.10	<10	-1.2	<10	-1.0	<10	0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	0.10	<10000	3.2	<10000	4.1	<10000	7.4	<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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			15:32		16:26		16:50		17:43	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.9	<200	7.9	<200	9.5	<200	16.1	<200
Antimony	6.0	1.3	0.80	<6.0	1.1	<6.0	0.20	<6.0	1.4	<6.0
Arsenic	10	1.6	0.60	<10	0.50	<10	-0.30	<10	-0.30	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	6.0	<1000	11.4	<1000	6.7	<1000	10.4	<1000
Chromium	10	1.8	0.30	<10	0.50	<10	0.50	<10	0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.2	<300	12.1	<300	11.9	<300	14.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-0.10	<5000	1.3	<5000	13.1	<5000	5.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	19.5	<10000	17.2	<10000	60.2	<10000	4.2	<10000
Selenium	10	2	-1.4	<10	-0.40	<10	-1.2	<10	-3.6	<10
Silver	10	.5	anr							
Sodium	10000	500	8.9	<10000	16.6	<10000	11.9	<10000	13.6	<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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			18:36		19:31		20:24		21:18	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.9	<200	13.5	<200	10.5	<200	13.3	<200
Antimony	6.0	1.3	1.1	<6.0	0.50	<6.0	0.0	<6.0	1.4	<6.0
Arsenic	10	1.6	0.0	<10	-0.40	<10	-0.20	<10	0.10	<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	0.40	<5.0
Calcium	1000	50	6.6	<1000	6.7	<1000	6.7	<1000	15.2	<1000
Chromium	10	1.8	0.20	<10	0.20	<10	0.10	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.6	<300	9.2	<300	8.0	<300	17.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	6.1	<5000	1.0	<5000	8.4	<5000	11.6	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	30.9	<10000	28.5	<10000	27.1	<10000	25.5	<10000
Selenium	10	2	-2.7	<10	-1.4	<10	-0.90	<10	-0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	13.1	<10000	9.5	<10000	1.4	<10000	15.8	<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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			22:11		23:05		23:59		00:52	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	16.9	<200	14.0	<200	14.1	<200	10.2	<200
Antimony	6.0	1.3	0.60	<6.0	0.80	<6.0	0.40	<6.0	0.0	<6.0
Arsenic	10	1.6	-0.30	<10	0.20	<10	0.50	<10	-0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.30	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	9.0	<1000	14.1	<1000	9.8	<1000	9.3	<1000
Chromium	10	1.8	0.30	<10	0.30	<10	0.30	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	12.7	<300	16.9	<300	14.0	<300	11.7	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	5.4	<5000	10.2	<5000	8.6	<5000	17.2	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	47.1	<10000	39.8	<10000	37.1	<10000	21.9	<10000
Selenium	10	2	-5.0	<10	-1.6	<10	-3.5	<10	-1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	11.7	<10000	12.2	<10000	9.4	<10000	4.1	<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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			01:46		02:40		02:54	
Sample ID:			CCB20		CCB21		CCB22	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	17.7	<200	15.7	<200	19.9	<200
Antimony	6.0	1.3	1.7	<6.0	0.40	<6.0	1.6	<6.0
Arsenic	10	1.6	-0.40	<10	0.40	<10	0.10	<10
Barium	200	1	anr					
Beryllium	4.0	.5	anr					
Cadmium	5.0	.5	0.30	<5.0	0.30	<5.0	0.20	<5.0
Calcium	1000	50	33.9	<1000	37.1	<1000	36.7	<1000
Chromium	10	1.8	0.50	<10	0.20	<10	0.40	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	17.8	<300	21.7	<300	22.7	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	4.2	<5000	17.9	<5000	11.4	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	47.3	<10000	2.6	<10000	18.6	<10000
Selenium	10	2	-2.4	<10	-2.3	<10	-2.3	<10
Silver	10	.5	anr					
Sodium	10000	500	17.0	<10000	13.1	<10000	14.7	<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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		09:01			09:41			10:41	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42100	105.3	40000	42100	105.3	40000	43600	109.0
Antimony	2000	2080	104.0	2000	2070	103.5	2000	2060	103.0
Arsenic	2000	2040	102.0	2000	2070	103.5	2000	2060	103.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2100	105.0	2000	2100	105.0	2000	2100	105.0
Calcium	40000	43200	108.0	40000	42600	106.5	40000	43700	109.3
Chromium	2000	2120	106.0	2000	2090	104.5	2000	1960	98.0
Cobalt	anr								
Copper	anr								
Iron	40000	42200	105.5	40000	42500	106.3	40000	41600	104.0
Lead	anr								
Magnesium	40000	40700	101.8	40000	42100	105.3	40000	43000	107.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41800	104.5	40000	42000	105.0	40000	43300	108.3
Selenium	2000	2110	105.5	2000	2060	103.0	2000	2040	102.0
Silver	anr								
Sodium	40000	42000	105.0	40000	42100	105.3	40000	43000	107.5
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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		11:09			12:06			12:39	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39500	98.8	40000	39800	99.5
Antimony	2000	1960	98.0	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	1970	98.5	2000	2040	102.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2000	100.0	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40000	100.0	40000	40400	101.0	40000	40600	101.5
Chromium	2000	2000	100.0	2000	2180	109.0	2000	2120	106.0
Cobalt	anr								
Copper	anr								
Iron	40000	40100	100.3	40000	41800	104.5	40000	41500	103.8
Lead	anr								
Magnesium	40000	39600	99.0	40000	40400	101.0	40000	40600	101.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39500	98.8	40000	39900	99.8	40000	40100	100.3
Selenium	2000	1980	99.0	2000	2060	103.0	2000	2040	102.0
Silver	anr								
Sodium	40000	39600	99.0	40000	40100	100.3	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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		13:39			14:33			15:28	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	39300	98.3	40000	39200	98.0
Antimony	2000	1980	99.0	2000	1960	98.0	2000	1980	99.0
Arsenic	2000	1990	99.5	2000	1960	98.0	2000	1990	99.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0
Calcium	40000	40200	100.5	40000	39700	99.3	40000	40000	100.0
Chromium	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	39300	98.3	40000	39200	98.0	40000	39500	98.8
Lead	anr								
Magnesium	40000	39200	98.0	40000	39000	97.5	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40500	101.3	40000	40300	100.8	40000	40700	101.8
Selenium	2000	1990	99.5	2000	1970	98.5	2000	1990	99.5
Silver	anr								
Sodium	40000	40800	102.0	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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		16:22			16:46			17:39	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	40600	101.5	40000	40200	100.5
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	2050	102.5	2000	2010	100.5	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2050	102.5	2000	2070	103.5
Calcium	40000	40100	100.3	40000	41100	102.8	40000	41500	103.8
Chromium	2000	2180	109.0	2000	2090	104.5	2000	2140	107.0
Cobalt	anr								
Copper	anr								
Iron	40000	41000	102.5	40000	41500	103.8	40000	41900	104.8
Lead	anr								
Magnesium	40000	39800	99.5	40000	41200	103.0	40000	41700	104.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40900	102.3	40000	40400	101.0	40000	40600	101.5
Selenium	2000	2070	103.5	2000	2020	101.0	2000	2030	101.5
Silver	anr								
Sodium	40000	41200	103.0	40000	40500	101.3	40000	40600	101.5
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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		18:32			19:26			20:20	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39600	99.0	40000	39500	98.8
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2080	104.0	2000	2060	103.0
Calcium	40000	40500	101.3	40000	40800	102.0	40000	40600	101.5
Chromium	2000	2140	107.0	2000	2160	108.0	2000	2110	105.5
Cobalt	anr								
Copper	anr								
Iron	40000	41400	103.5	40000	41700	104.3	40000	40900	102.3
Lead	anr								
Magnesium	40000	40400	101.0	40000	41000	102.5	40000	40500	101.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40000	100.0	40000	40100	100.3	40000	40000	100.0
Selenium	2000	2050	102.5	2000	2050	102.5	2000	2020	101.0
Silver	anr								
Sodium	40000	40100	100.3	40000	40100	100.3	40000	39900	99.8
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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		21:13			22:07			23:01	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40100	100.3	40000	40700	101.8
Antimony	2000	2020	101.0	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2070	103.5
Calcium	40000	41500	103.8	40000	40900	102.3	40000	41400	103.5
Chromium	2000	2100	105.0	2000	2090	104.5	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	41600	104.0	40000	41300	103.3	40000	41400	103.5
Lead	anr								
Magnesium	40000	41500	103.8	40000	40800	102.0	40000	41100	102.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40800	102.0	40000	40400	101.0	40000	40900	102.3
Selenium	2000	2030	101.5	2000	2040	102.0	2000	2050	102.5
Silver	anr								
Sodium	40000	40600	101.5	40000	40300	100.8	40000	40700	101.8
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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		23:55			00:48			01:41	
Sample ID:	CCV	CCV18		CCV	CCV19		CCV	CCV20	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40600	101.5	40000	40500	101.3
Antimony	2000	2030	101.5	2000	2050	102.5	2000	2070	103.5
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2070	103.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2070	103.5	2000	2090	104.5
Calcium	40000	41500	103.8	40000	41200	103.0	40000	41300	103.3
Chromium	2000	2050	102.5	2000	2080	104.0	2000	2180	109.0
Cobalt	anr								
Copper	anr								
Iron	40000	41300	103.3	40000	41300	103.3	40000	42300	105.8
Lead	anr								
Magnesium	40000	41400	103.5	40000	41100	102.8	40000	41600	104.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	40700	101.8	40000	40800	102.0
Selenium	2000	2040	102.0	2000	2040	102.0	2000	2070	103.5
Silver	anr								
Sodium	40000	40800	102.0	40000	40600	101.5	40000	40700	101.8
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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		02:36			02:49	
Sample ID:	CCV	CCV21		CCV	CCV22	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	39800	99.5
Antimony	2000	2060	103.0	2000	2070	103.5
Arsenic	2000	2050	102.5	2000	2070	103.5
Barium	anr					
Beryllium	anr					
Cadmium	2000	2070	103.5	2000	2090	104.5
Calcium	40000	40900	102.3	40000	40600	101.5
Chromium	2000	2090	104.5	2000	2190	109.5
Cobalt	anr					
Copper	anr					
Iron	40000	41400	103.5	40000	42000	105.0
Lead	anr					
Magnesium	40000	40700	101.8	40000	40600	101.5
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	40700	101.8	40000	40400	101.0
Selenium	2000	2070	103.5	2000	2100	105.0
Silver	anr					
Sodium	40000	40500	101.3	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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10577 Units: ug/l

Time:		08:53	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	82300	102.9
Antimony	4000	4080	102.0
Arsenic	4000	4070	101.8
Barium	anr		
Beryllium	anr		
Cadmium	4000	4030	100.8
Calcium	80000	81900	102.4
Chromium	4000	4050	101.3
Cobalt	anr		
Copper	anr		
Iron	80000	81300	101.6
Lead	anr		
Magnesium	80000	82000	102.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	82500	103.1
Selenium	4000	4060	101.5
Silver	anr		
Sodium	80000	82300	102.9
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10577 Units: ug/l

Time:			09:14		02:27	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	211	105.5	216	108.0
Antimony	10	5.0	5.7	114.0	5.0	100.0
Arsenic	20	10	10.9	109.0	10.8	108.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.4	108.0
Calcium	2000	1000	1070	107.0	1060	106.0
Chromium	20	10	11.3	113.0	10.8	108.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	327	109.0	325	108.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5200	104.0	5160	103.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10500	105.0	10500	105.0
Selenium	20	10	10.7	107.0	6.3	63.0*(a)
Silver	20	10	anr			
Sodium	20000	10000	10500	105.0	10300	103.0
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
(a) Possible instrument baseline drift.

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

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10577 Units: ug/l

Time:			09:22		09:33		02:31		02:45	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	512000	102.4	530000	106.0	501000	100.2	504000	100.8
Antimony		1000	1.1		1020	102.0	-0.10		1030	103.0
Arsenic		1000	0.0		993	99.3	0.10		1000	100.0
Barium		500	0.0		546	109.2	0.0		550	110.0
Beryllium		500	0.0		526	105.2	-0.10		521	104.2
Cadmium		1000	-0.10		959	95.9	-1.1		957	95.7
Calcium	500000	500000	485000	97.0	494000	98.8	478000	95.6	478000	95.6
Chromium		500	-0.20		493	98.6	-0.30		520	104.0
Cobalt		500	-0.70		484	96.8	-0.40		468	93.6
Copper		500	0.0		569	113.8	-0.90		582	116.4
Iron	200000	200000	195000	97.5	194000	97.0	194000	97.0	194000	97.0
Lead		1000	0.10		983	98.3	2.8		954	95.4
Magnesium	500000	500000	502000	100.4	513000	102.6	498000	99.6	502000	100.4
Manganese		500	0.60		508	101.6	-0.10		540	108.0
Molybdenum		1000	1.0		922	92.2	1.1		890	89.0
Nickel		1000	0.0		952	95.2	-0.20		943	94.3
Potassium			10.7		1.4		30.6		22.1	
Selenium		1000	0.0		980	98.0	-5.2		994	99.4
Silver		1000	-0.10		1110	111.0	-0.10		1090	109.0
Sodium			57.8		76.0		53.8		64.7	
Strontium		1000	11.5		1020	102.0	11.2		988	98.8
Thallium		1000	0.0		971	97.1	1.6		950	95.0
Tin		1000	-0.80		870	87.0	-0.40		851	85.1
Titanium		1000	-3.5		978	97.8	-3.2		1030	103.0
Vanadium		500	0.0		497	99.4	-0.10		503	100.6
Zinc		1000	0.0		959	95.9	0.20		950	95.0

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2214
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 FA2214)
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: FA2214
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 FA2214)
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		
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	FA2214-1	1		
13:28	FA2214-2	1		
---------->	Last reportable sample/prep for job FA2214			
13:38	ZZZZZZ	1		
13:43	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2214
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 FA2214				
	14:19	MA10580-CCV8	1		
	14:24	MA10580-CCB8	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2214
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: FA2214
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	FA2214-1	1872	14704	9227	951
13:28	FA2214-2	1910	14940	9498	957
13:38	ZZZZZZ	1797	14392	9157	865
13:43	ZZZZZZ	1825	14423	9031	877

INTERNAL STANDARD SUMMARY

Login Number: FA2214
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: FA2214
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: FA2214
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: FA2214
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: FA2214
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: FA2214
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: FA2214
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: FA2214
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: FA2214
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: FA2214
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: 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 FA2214)
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: FA2214
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: 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 FA2214)
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	FA2214-1	4		
12:46	FA2214-2	4		
---------->	Last reportable sample/prep for job FA2214			
12:50	ZZZZZZ	10		
12:54	ZZZZZZ	5		
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: FA2214
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: 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 FA2214)
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 FA2214)
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: FA2214
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: 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 FA2214)
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 FA2214
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2214
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: 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: FA2214
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: 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	FA2214-1	6298	34762	7700	2520
12:46	FA2214-2	6415	35455	7849	2541
12:50	ZZZZZZ	6931	37550	8618	2271
12:54	ZZZZZZ	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: FA2214
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: 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: FA2214
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: 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: FA2214
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: Na

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

6.3.1

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2214
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	anr							
Antimony	6.0	1.3	anr							
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	anr							
Selenium	10	2	anr							
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: FA2214
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	anr							
Antimony	6.0	1.3	anr							
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	anr							
Selenium	10	2	anr							
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: FA2214
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	anr							
Antimony	6.0	1.3	anr							
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	anr							
Selenium	10	2	anr							
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: FA2214
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	anr			
Antimony	6.0	1.3	anr			
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	anr			
Selenium	10	2	anr			
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: FA2214
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	anr								
Antimony	anr								
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	anr								
Selenium	anr								
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: FA2214
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	anr								
Antimony	anr								
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	anr								
Selenium	anr								
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: FA2214
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	anr								
Antimony	anr								
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	anr								
Selenium	anr								
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: FA2214
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	anr								
Antimony	anr								
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	anr								
Selenium	anr								
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: FA2214
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	anr					
Antimony	anr					
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	anr					
Selenium	anr					
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: FA2214
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	anr		
Antimony	anr		
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	anr		
Selenium	anr		
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: FA2214
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	anr			
Antimony	10	5.0	anr			
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	anr			
Selenium	20	10	anr			
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: FA2214
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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	12.0	<200
Antimony	6.0	1.3	1.3	-0.40	<6.0
Arsenic	10	1.6	2.5	-0.20	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	33.2	<1000
Chromium	10	1.8	2	0.0	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-1.2	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	2.4	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-2.8	<10000
Selenium	10	2	2	-1.1	<10
Silver	10	.5	.5		
Sodium	10000	500	500	4.4	<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 MP24720: FA2214-3

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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			03/05/13					03/05/13	
Metal	FA2219-1 Original	DUP	RPD	QC Limits	FA2219-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	192	230	18.0	0-20	192	27200	27000	100.0	80-120
Antimony	0.0	0.0	NC	0-20	0.0	510	500	102.0	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	1990	2000	99.5	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	50.5	50	101.0	80-120
Calcium	8140	8170	0.4	0-20	8140	33800	25000	102.6	80-120
Chromium	0.0	0.0	NC	0-20	0.0	212	200	106.0	80-120
Cobalt	anr								
Copper	anr								
Iron	115	125	8.3	0-20	115	27000	26000	103.4	80-120
Lead	anr								
Magnesium	3550	3590	1.1	0-20	3550	28400	25000	99.4	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	1420	1430	0.7	0-20	1420	26700	25000	101.1	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2020	2000	101.0	80-120
Silver	anr								
Sodium	14200	14300	0.7	0-20	14200	39100	25000	99.6	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP24720: FA2214-3

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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	FA2219-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	192	28200	27000	103.7	3.6	20
Antimony	0.0	523	500	104.6	2.5	20
Arsenic	0.0	2050	2000	102.5	3.0	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	51.8	50	103.6	2.5	20
Calcium	8140	34700	25000	106.2	2.6	20
Chromium	0.0	217	200	108.5	2.3	20
Cobalt	anr					
Copper	anr					
Iron	115	27900	26000	106.9	3.3	20
Lead	anr					
Magnesium	3550	29400	25000	103.4	3.5	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	1420	27600	25000	104.7	3.3	20
Selenium	0.0	2100	2000	105.0	3.9	20
Silver	anr					
Sodium	14200	39800	25000	102.4	1.8	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP24720: FA2214-3

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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	27900	27000	103.3	80-120
Antimony	527	500	105.4	80-120
Arsenic	2050	2000	102.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	52.4	50	104.8	80-120
Calcium	26700	25000	106.8	80-120
Chromium	220	200	110.0	80-120
Cobalt	anr			
Copper	anr			
Iron	27900	26000	107.3	80-120
Lead	anr			
Magnesium	25900	25000	103.6	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	26200	25000	104.8	80-120
Selenium	2090	2000	104.5	80-120
Silver	anr			
Sodium	25800	25000	103.2	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP24720: FA2214-3

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	FA2219-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	192	207	7.8	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	8140	8790	8.0	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	anr			
Copper	anr			
Iron	115	0.00	100.0(a)	0-10
Lead	anr			
Magnesium	3550	3760	6.0	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	1420	1530	7.7	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	14200	15000	5.3	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP24720: FA2214-3

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: FA2214
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	Sample ml	Final ml	FA2219-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	192.3	188.454	2641	0.2	125	2500	98.1	80-120
Antimony	9.8	10	0	0	102.3	0.2	5	100	102.3	80-120
Arsenic	9.8	10	0	0	99.2	0.2	5	100	99.2	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	8135	7972.3	14030	0.2	250	5000	121.2*(a	80-120
Chromium	9.8	10	0	0	54.9	0.2	2.5	50	109.8	80-120
Cobalt										
Copper										
Iron	9.8	10	114.7	112.406	3277	0.2	150	3000	105.5	80-120
Lead										
Magnesium	9.8	10	3550	3479	8556	0.2	250	5000	101.5	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	1420	1391.6	11590	0.2	500	10000	102.0	80-120
Selenium	9.8	10	0	0	98.1	0.2	5	100	98.1	80-120
Silver										
Sodium	9.8	10	14210	13925.8	24460	0.2	500	10000	105.3	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24720: FA2214-3

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.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2214
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: FA2214-1, FA2214-2

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: FA2214
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: FA2214-1, FA2214-2

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.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2214
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: FA2214-1, FA2214-2

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: FA2214
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: FA2214-1, FA2214-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2214
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: FA2214-1, FA2214-2

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: FA2214
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: FA2214-1, FA2214-2

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
(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: FA2214
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	GP21099/GN54455	0.10	0.0	mg/l	.300	0.29	97.6	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: FA2214-1, FA2214-2, FA2214-3
Batch GN54469: FA2214-1, FA2214-2, FA2214-3
Batch GN54501: FA2214-1, FA2214-2, FA2214-3
Batch GP21087: FA2214-3, FA2214-1F, FA2214-2F
Batch GP21090: FA2214-1, FA2214-2, FA2214-3
Batch GP21099: FA2214-1, FA2214-2, FA2214-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2214
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	GP21099/GN54455	FA2149-1	mg/l	1.6	2.6	2.5	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: FA2214-1, FA2214-2, FA2214-3
Batch GN54391: FA2214-1, FA2214-2, FA2214-3
Batch GN54469: FA2214-1, FA2214-2, FA2214-3
Batch GN54501: FA2214-1, FA2214-2, FA2214-3
Batch GP21087: FA2214-3, FA2214-1F, FA2214-2F
Batch GP21099: FA2214-1, FA2214-2, FA2214-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2214
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(a)	110.0(a)	83-116%
Phosphorus, Total	GP21099/GN54455	FA2149-1	mg/l	1.6	.300	3.1	144.0(b)	81-118%
Sulfate	GP21090/GN54407	FA2040-9	mg/l	17.3	50	65.1	95.6	90-110%

Associated Samples:
Batch GN54501: FA2214-1, FA2214-2, FA2214-3
Batch GP21087: FA2214-3, FA2214-1F, FA2214-2F
Batch GP21090: FA2214-1, FA2214-2, FA2214-3
Batch GP21099: FA2214-1, FA2214-2, FA2214-3
(*) 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: FA2214
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(a)	0.7(a)	26%
Phosphorus, Total	GP21099/GN54455	FA2149-1	mg/l	1.6	.300	2.99	2.1(b)	22%
Sulfate	GP21090/GN54407	FA2040-9	mg/l	17.3	50	64.8	0.5	

Associated Samples:
Batch GP21087: FA2214-3, FA2214-1F, FA2214-2F
Batch GP21090: FA2214-1, FA2214-2, FA2214-3
Batch GP21099: FA2214-1, FA2214-2, FA2214-3
(*) 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: FA2214
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	FA2214-1	10		
11:26	FA2214-2	10		
11:42	FA2214-3	1		
11:58	ZZZZZZ	100		
12:13	ZZZZZZ	1		
12:29	FA2220-1	1		(sample used for QC only; not part of login FA2214)
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 FA2214)
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	FA2214-1	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2214
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	FA2214-2	25		
19:54	ZZZZZZ	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 FA2214)
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: FA2214
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: FA2214
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

03/14/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA2272

Sampling Date: 03/01/13

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: **118**

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.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **7**
Section 4: Sample Results **10**
- **4.1:** FA2272-1: A-48-026 11
- **4.2:** FA2272-1F: A-48-026 13
- **4.3:** FA2272-2: A-3/1/13 14
- **4.4:** FA2272-2F: A-3/1/13 16
- **4.5:** FA2272-3: A-45-027 17
- **4.6:** FA2272-3F: A-45-027 19
- **4.7:** FA2272-4: A-1000 20
- **4.8:** FA2272-4F: A-1000 22
- **4.9:** FA2272-5: WATER-EB-3/1/13 23

Section 5: Misc. Forms **25**
- **5.1:** Chain of Custody 26

Section 6: Metals Analysis - QC Data Summaries **29**
- **6.1:** Inst QC MA10577: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 30
- **6.2:** Inst QC MA10580: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 61
- **6.3:** Inst QC MA10583: Mg,Na 75
- **6.4:** Prep QC MP24720: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 96
- **6.5:** Prep QC MP24724: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na 102

Section 7: General Chemistry - QC Data Summaries **108**
- **7.1:** Method Blank and Spike Results Summary 109
- **7.2:** Duplicate Results Summary 110
- **7.3:** Matrix Spike Results Summary 111
- **7.4:** Matrix Spike Duplicate Results Summary 112
- **7.5:** Inst QC GN54432: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 113
- **7.6:** Inst QC GN54476: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate 115

Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA2272

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
FA2272-1	03/01/13	08:45	IP	03/02/13	AQ	Ground Water	A-48-026
FA2272-1F	03/01/13	08:45	IP	03/02/13	AQ	Groundwater Filtered	A-48-026
FA2272-2	03/01/13	09:00	IP	03/02/13	AQ	Ground Water	A-3/1/13
FA2272-2F	03/01/13	09:00	IP	03/02/13	AQ	Groundwater Filtered	A-3/1/13
FA2272-3	03/01/13	10:10	IP	03/02/13	AQ	Ground Water	A-45-027
FA2272-3F	03/01/13	10:10	IP	03/02/13	AQ	Groundwater Filtered	A-45-027
FA2272-4	03/01/13	10:30	IP	03/02/13	AQ	Ground Water	A-1000
FA2272-4F	03/01/13	10:30	IP	03/02/13	AQ	Groundwater Filtered	A-1000
FA2272-5	03/01/13	13:55	IP	03/02/13	AQ	Equipment Blank	WATER-EB-3/1/13

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA2272

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 3/14/2013 10:49:17 AM

5 Sample(s) were collected on 03/01/2013 and were received at Accutest SE on 03/02/2013 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of FA2272. 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:** MP24720

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) FA2219-1DUP, FA2219-1MS, FA2219-1MSD, FA2219-1PS, FA2219-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Iron are outside control limits for sample MP24720-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24720-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

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.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54419

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2272-1DUP was used as the QC sample for Specific Conductivity.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21098

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) FA2149-1MS, FA2149-1MSD were used as the QC samples for Nitrogen, Nitrate, Chloride, Fluoride, Sulfate.

Matrix Spike Recovery(s) for Chloride, Fluoride, Sulfate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Matrix Spike Duplicate Recovery(s) for Fluoride are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21098

FA2272-1 for Fluoride: Dilution required due to matrix interference.

FA2272-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA2272-2 for Fluoride: Dilution required due to matrix interference.

FA2272-2 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21091

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) FA2272-3FMS, FA2272-3FMSD were used as the QC samples for Phosphate, Ortho.

Matrix Spike 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.

RPD(s) for MSD for Phosphate, Ortho are outside control limits for sample GP21091-SD1. Probable cause is due to sample non-homogeneity.

GP21091-SD1 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:** 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:** GN54421

Sample(s) FA2272-1DUP was used as the QC sample for pH.

FA2272-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2272-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2272-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2272-4 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2272-5 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54570

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2365-2DUP, FA2365-2MS 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 sample for Solids, Total Dissolved.

Matrix: AQ **Batch ID:** GN54487

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

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

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 14, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA2272
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/01/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2272-1	**A-48-026**					
Aluminum		3240	200	15	ug/l	SW846 6010C
Arsenic		1060	10	2.5	ug/l	SW846 6010C
Cadmium		190	5.0	0.50	ug/l	SW846 6010C
Calcium		261000	1000	50	ug/l	SW846 6010C
Chromium		80.2	10	2.0	ug/l	SW846 6010C
Iron		102000	300	29	ug/l	SW846 6010C
Magnesium		969000	25000	370	ug/l	SW846 6010C
Potassium		56600	10000	200	ug/l	SW846 6010C
Sodium		283000	50000	2500	ug/l	SW846 6010C
Chloride		55.4	50	20	mg/l	EPA 300/SW846 9056A
Fluoride [a]		3.0 J	5.0	1.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		3530	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved		9430	1000	100	mg/l	SM19 2540C
Specific Conductivity		5230	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1150	50	15	mg/l	EPA 300/SW846 9056A
pH [b]		3.76			su	SM 4500H B/SW 9040C
FA2272-1F	**A-48-026**					
Phosphate, Ortho		1420	500	95	mg/l	EPA 365.3
FA2272-2	**A-3/1/13**					
Aluminum		3420	200	15	ug/l	SW846 6010C
Arsenic		1050	10	2.5	ug/l	SW846 6010C
Cadmium		186	5.0	0.50	ug/l	SW846 6010C
Calcium		263000	1000	50	ug/l	SW846 6010C
Chromium		86.0	10	2.0	ug/l	SW846 6010C
Iron		110000	300	29	ug/l	SW846 6010C
Magnesium		1020000	25000	370	ug/l	SW846 6010C
Potassium		56700	10000	200	ug/l	SW846 6010C
Sodium		297000	50000	2500	ug/l	SW846 6010C
Chloride		58.7	50	20	mg/l	EPA 300/SW846 9056A
Fluoride [a]		3.0 J	5.0	1.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		3970	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved		10700	1000	100	mg/l	SM19 2540C
Specific Conductivity		5250	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1170	50	15	mg/l	EPA 300/SW846 9056A
pH [b]		3.78			su	SM 4500H B/SW 9040C
FA2272-2F	**A-3/1/13**					
Phosphate, Ortho		2050	500	95	mg/l	EPA 365.3

Summary of Hits

Job Number: FA2272
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/01/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2272-3	**A-45-027**					
Aluminum		16200	200	15	ug/l	SW846 6010C
Antimony		3.5 J	6.0	1.3	ug/l	SW846 6010C
Arsenic		15.7	10	2.5	ug/l	SW846 6010C
Cadmium		27.6	5.0	0.50	ug/l	SW846 6010C
Calcium		290000	1000	50	ug/l	SW846 6010C
Chromium		18.9	10	2.0	ug/l	SW846 6010C
Iron		14700	300	29	ug/l	SW846 6010C
Magnesium		136000	5000	74	ug/l	SW846 6010C
Potassium		16500	10000	200	ug/l	SW846 6010C
Selenium		12.7	10	2.0	ug/l	SW846 6010C
Sodium		177000	40000	2000	ug/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		359	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		359	5.0	0.60	mg/l	SM19 2320B
Chloride		109	20	8.0	mg/l	EPA 300/SW846 9056A
Fluoride		18.5	2.0	0.60	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		26.8	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		14.6	5.0	1.4	mg/l	EPA 365.3
Solids, Total Dissolved		1950	100	10	mg/l	SM19 2540C
Specific Conductivity		2500	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		890	20	6.0	mg/l	EPA 300/SW846 9056A
pH [b]		6.37			su	SM 4500H B/SW 9040C
FA2272-3F	**A-45-027**					
Phosphate, Ortho		17.9	5.0	0.95	mg/l	EPA 365.3
FA2272-4	**A-1000**					
Aluminum		16500	200	15	ug/l	SW846 6010C
Antimony		4.0 J	6.0	1.3	ug/l	SW846 6010C
Arsenic		13.9	10	2.5	ug/l	SW846 6010C
Cadmium		25.6	5.0	0.50	ug/l	SW846 6010C
Calcium		279000	1000	50	ug/l	SW846 6010C
Chromium		18.8	10	2.0	ug/l	SW846 6010C
Iron		15300	300	29	ug/l	SW846 6010C
Magnesium		128000	5000	74	ug/l	SW846 6010C
Potassium		15500	10000	200	ug/l	SW846 6010C
Selenium		8.5 J	10	2.0	ug/l	SW846 6010C
Sodium		161000	40000	2000	ug/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		349	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		349	5.0	0.60	mg/l	SM19 2320B
Chloride		107	20	8.0	mg/l	EPA 300/SW846 9056A

Summary of Hits

Job Number: FA2272
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/01/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Fluoride	22.5	2.0	0.60	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate	27.5	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total	15.0	5.0	1.4	mg/l	EPA 365.3
Solids, Total Dissolved	2080	100	10	mg/l	SM19 2540C
Specific Conductivity	2530	1.0	1.0	umhos/cm	EPA 120.1
Sulfate	903	20	6.0	mg/l	EPA 300/SW846 9056A
pH [b]	6.21			su	SM 4500H B/SW 9040C
FA2272-4F A-1000					
Phosphate, Ortho	0.95 U	5.0	0.95	mg/l	EPA 365.3
FA2272-5 WATER-EB-3/1/13					
Aluminum	27.3 J	200	15	ug/l	SW846 6010C
Calcium	54.4 J	1000	50	ug/l	SW846 6010C
Iron	31.6 J	300	29	ug/l	SW846 6010C
Alkalinity, Total as CaCO3	2.6 J	5.0	0.60	mg/l	SM19 2320B
Phosphate, Ortho	0.025 J	0.10	0.019	mg/l	EPA 365.3
Solids, Total Dissolved	12.0 J	100	10	mg/l	SM19 2540C
Specific Conductivity	2.0	1.0	1.0	umhos/cm	EPA 120.1
Sulfate	0.70 J	2.0	0.60	mg/l	EPA 300/SW846 9056A
pH [b]	6.51			su	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) 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-48-026		
Lab Sample ID:	FA2272-1	**Date Sampled:**	03/01/13
Matrix:	AQ - Ground Water	**Date Received:**	03/02/13
		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	3240	200	15	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	1.3 U	6.0	1.3	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	1060	10	2.5	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	190	5.0	0.50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	261000	1000	50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	80.2	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	102000	300	29	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	969000	25000	370	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [2]	SW846 3010A [3]
Potassium	56600	10000	200	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	2.0 U	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	283000	50000	2500	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10580
(2) Instrument QC Batch: MA10583
(3) Prep QC Batch: MP24724

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-48-026		
Lab Sample ID:	FA2272-1	**Date Sampled:**	03/01/13
Matrix:	AQ - Ground Water	**Date Received:**	03/02/13
		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	03/12/13 13:20	AC	SM19 2320B
Chloride	55.4	50	20	mg/l	25	03/02/13 13:48	AA	EPA 300/SW846 9056A
Fluoride [a]	3.0 J	5.0	1.5	mg/l	25	03/02/13 13:48	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	1.3 U	2.5	1.3	mg/l	25	03/02/13 13:48	AA	EPA 300/SW846 9056A
Phosphorus, Total	3530	1000	280	mg/l	10000	03/11/13 10:30	LE	EPA 365.3
Solids, Total Dissolved	9430	1000	100	mg/l	10	03/06/13	KC	SM19 2540C
Specific Conductivity	5230	1.0	1.0	umhos/cm	1	03/02/13 13:50	AA	EPA 120.1
Sulfate	1150	50	15	mg/l	25	03/02/13 13:48	AA	EPA 300/SW846 9056A
pH [b]	3.76			su	1	03/02/13 14:05	AA	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) 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-48-026		
Lab Sample ID:	FA2272-1F	**Date Sampled:**	03/01/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/02/13
		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	1420	500	95	mg/l	5000	03/02/13 13:00	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:	A-3/1/13		
Lab Sample ID:	FA2272-2	**Date Sampled:**	03/01/13
Matrix:	AQ - Ground Water	**Date Received:**	03/02/13
		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	3420	200	15	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	1.3 U	6.0	1.3	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	1050	10	2.5	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	186	5.0	0.50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	263000	1000	50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	86.0	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	110000	300	29	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	1020000	25000	370	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [2]	SW846 3010A [3]
Potassium	56700	10000	200	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	2.0 U	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	297000	50000	2500	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10580
(2) Instrument QC Batch: MA10583
(3) Prep QC Batch: MP24724

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-3/1/13		
Lab Sample ID:	FA2272-2	**Date Sampled:**	03/01/13
Matrix:	AQ - Ground Water	**Date Received:**	03/02/13
		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	03/12/13 13:20	AC	SM19 2320B
Chloride	58.7	50	20	mg/l	25	03/02/13 14:04	AA	EPA 300/SW846 9056A
Fluoride [a]	3.0 J	5.0	1.5	mg/l	25	03/02/13 14:04	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	1.3 U	2.5	1.3	mg/l	25	03/02/13 14:04	AA	EPA 300/SW846 9056A
Phosphorus, Total	3970	1000	280	mg/l	10000	03/11/13 10:30	LE	EPA 365.3
Solids, Total Dissolved	10700	1000	100	mg/l	10	03/06/13	KC	SM19 2540C
Specific Conductivity	5250	1.0	1.0	umhos/cm	1	03/02/13 13:50	AA	EPA 120.1
Sulfate	1170	50	15	mg/l	25	03/02/13 14:04	AA	EPA 300/SW846 9056A
pH [b]	3.78			su	1	03/02/13 14:05	AA	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) 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-3/1/13		
Lab Sample ID:	FA2272-2F	**Date Sampled:**	03/01/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/02/13
		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	2050	500	95	mg/l	5000	03/02/13 13:00	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:	A-45-027		
Lab Sample ID:	FA2272-3	**Date Sampled:**	03/01/13
Matrix:	AQ - Ground Water	**Date Received:**	03/02/13
		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	16200	200	15	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	3.5 J	6.0	1.3	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	15.7	10	2.5	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	27.6	5.0	0.50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	290000	1000	50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	18.9	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	14700	300	29	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	136000	5000	74	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	16500	10000	200	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	12.7	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	177000	40000	2000	ug/l	4	03/06/13	03/07/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10580
(2) Instrument QC Batch: MA10583
(3) Prep QC Batch: MP24724

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-45-027		
Lab Sample ID:	FA2272-3	**Date Sampled:**	03/01/13
Matrix:	AQ - Ground Water	**Date Received:**	03/02/13
		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	359	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	359	5.0	0.60	mg/l	1	03/12/13 13:20	AC	SM19 2320B
Chloride	109	20	8.0	mg/l	10	03/02/13 14:20	AA	EPA 300/SW846 9056A
Fluoride	18.5	2.0	0.60	mg/l	10	03/02/13 14:20	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	26.8	1.0	0.50	mg/l	10	03/02/13 14:20	AA	EPA 300/SW846 9056A
Phosphorus, Total	14.6	5.0	1.4	mg/l	50	03/11/13 10:30	LE	EPA 365.3
Solids, Total Dissolved	1950	100	10	mg/l	1	03/05/13	KC	SM19 2540C
Specific Conductivity	2500	1.0	1.0	umhos/cm	1	03/02/13 13:50	AA	EPA 120.1
Sulfate	890	20	6.0	mg/l	10	03/02/13 14:20	AA	EPA 300/SW846 9056A
pH [a]	6.37			su	1	03/02/13 14:05	AA	SM 4500H B/SW 9040C

(a) 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-45-027		
Lab Sample ID:	FA2272-3F	**Date Sampled:**	03/01/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/02/13
		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	17.9	5.0	0.95	mg/l	50	03/02/13 13:00	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:	A-1000		
Lab Sample ID:	FA2272-4	**Date Sampled:**	03/01/13
Matrix:	AQ - Ground Water	**Date Received:**	03/02/13
		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	16500	200	15	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	4.0 J	6.0	1.3	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	13.9	10	2.5	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	25.6	5.0	0.50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	279000	1000	50	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	18.8	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	15300	300	29	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	128000	5000	74	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	15500	10000	200	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	8.5 J	10	2.0	ug/l	1	03/06/13	03/06/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	161000	40000	2000	ug/l	4	03/06/13	03/07/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10580
(2) Instrument QC Batch: MA10583
(3) Prep QC Batch: MP24724

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-1000		
Lab Sample ID:	FA2272-4	**Date Sampled:**	03/01/13
Matrix:	AQ - Ground Water	**Date Received:**	03/02/13
		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	349	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	349	5.0	0.60	mg/l	1	03/12/13 13:20	AC	SM19 2320B
Chloride	107	20	8.0	mg/l	10	03/02/13 14:36	AA	EPA 300/SW846 9056A
Fluoride	22.5	2.0	0.60	mg/l	10	03/02/13 14:36	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	27.5	1.0	0.50	mg/l	10	03/02/13 14:36	AA	EPA 300/SW846 9056A
Phosphorus, Total	15.0	5.0	1.4	mg/l	50	03/11/13 10:30	LE	EPA 365.3
Solids, Total Dissolved	2080	100	10	mg/l	1	03/05/13	KC	SM19 2540C
Specific Conductivity	2530	1.0	1.0	umhos/cm	1	03/02/13 13:50	AA	EPA 120.1
Sulfate	903	20	6.0	mg/l	10	03/02/13 14:36	AA	EPA 300/SW846 9056A
pH [a]	6.21			su	1	03/02/13 14:05	AA	SM 4500H B/SW 9040C

(a) 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-1000		
Lab Sample ID:	FA2272-4F	**Date Sampled:**	03/01/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/02/13
		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	0.95 U	5.0	0.95	mg/l	50	03/02/13 13:00	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:	WATER-EB-3/1/13		
Lab Sample ID:	FA2272-5	**Date Sampled:**	03/01/13
Matrix:	AQ - Equipment Blank	**Date Received:**	03/02/13
		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	27.3 J	200	15	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	1.3 U	6.0	1.3	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	2.5 U	10	2.5	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.50 U	5.0	0.50	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	54.4 J	1000	50	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	2.0 U	10	2.0	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	31.6 J	300	29	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	74 U	5000	74	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	200 U	10000	200	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	2.0 U	10	2.0	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	500 U	10000	500	ug/l	1	03/05/13	03/05/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10577
(2) Prep QC Batch: MP24720

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:	WATER-EB-3/1/13		
Lab Sample ID:	FA2272-5	**Date Sampled:**	03/01/13
Matrix:	AQ - Equipment Blank	**Date Received:**	03/02/13
		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	2.6 J	5.0	0.60	mg/l	1	03/12/13 13:20	AC	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	03/02/13 14:51	AA	EPA 300/SW846 9056A
Fluoride	0.060 U	0.20	0.060	mg/l	1	03/02/13 14:51	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	03/02/13 14:51	AA	EPA 300/SW846 9056A
Phosphate, Ortho	0.025 J	0.10	0.019	mg/l	1	03/02/13 13:00	JA	EPA 365.3
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	03/11/13 10:30	LE	EPA 365.3
Solids, Total Dissolved	12.0 J	100	10	mg/l	1	03/05/13	KC	SM19 2540C
Specific Conductivity	2.0	1.0	1.0	umhos/cm	1	03/02/13 13:50	AA	EPA 120.1
Sulfate	0.70 J	2.0	0.60	mg/l	1	03/02/13 14:51	AA	EPA 300/SW846 9056A
pH [a]	6.51			su	1	03/02/13 14:05	AA	SM 4500H B/SW 9040C

(a) 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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY RECORD FA2272

Page 1 of 1

Project Number: 36785

Site and Location: Agrium Soda Springs ID

Contact Name: Tim.Huff@WSPgroup.com

Contact Email:

Sampler's Name: Isaac Pelz

Sampler's Signature:

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	Dissolved Metals (A)	Total Metals (A)	pH / Gen Chem (A)	Diss OPO4	Total OPO4					Remarks
1	A-48-026		3/1/13	845	Aq	5	Hold	X	X	X						Hold Dissolved
2	A-3/1/13			900	Aq	5	Hold	X	X	X						Metals for
3	A-45-027			1010	Aq	5	Hold	X	X	X						Total Metals
4	A-1000			1030	Aq	5	Hold	X	X	X						Results
5	Water-EB-3/1/13			1355	Aq	4		X	X		X					Diss Metals are
																Unpreserved and
																Not field filtered
															(A)	See attached
																list of Analytes

Relinquished by (Signature):	3/1/13 1500 Date / Time	Received by (Signature): re	Laboratory Name: Accutest
Relinquished by (Signature): FP 030213	1030 Date / Time	Received by (Signature): R Willen ACSE	Laboratory Location: Orlando, Fl
Turn-Around Time: Std		Tracking Number: 875561223756	Custody Seal Numbers: 1,2
			Method of Shipment: Fedex

WSP
WSP Environment & Energy

2.4

- ☐ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- ☒ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

FA2272: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2272 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 03-02-13 1030 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8755 6122 3756

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: 2.0
- [ ] 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 W 0302-13 REVIEWER SIGNATURE/DATE 03 02 13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA2272: Chain of Custody
Page 2 of 3

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 $CaCO_3$
- 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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:36	MA10577-STD1	1		STDA
08:41	MA10577-STD2	1		STDB
08:44	MA10577-STD3	1		STDC
08:48	MA10577-STD4	1		STDD
08:53	MA10577-HSTD1	1		
09:01	MA10577-ICV1	1		
09:09	MA10577-ICB1	1		
09:14	MA10577-CRIA1	1		
09:22	MA10577-ICSA1	1		
09:33	MA10577-ICSAB1	1		
09:41	MA10577-CCV1	1		
09:51	MA10577-CCB1	1		
09:56	MP24716-MB1	1		
10:01	MP24716-B1	1		
10:05	FA2140-1	1		(sample used for QC only; not part of login FA2272)
10:09	MP24716-D1	1		
10:14	MP24716-SD1	5		
10:19	MP24716-S1	1		
10:23	MP24716-S2	1		
10:27	ZZZZZZ	1		
10:32	MP24717-MB1	1		
10:36	MP24717-B1	1		
10:41	MA10577-CCV2	1		
10:45	MA10577-CCB2	1		
11:09	MA10577-CCV3	1		
11:15	MA10577-CCB3	1		
11:21	FA2227-1	1		(sample used for QC only; not part of login FA2272)
11:26	MP24717-D1	1		
11:31	MP24717-SD1	5		
11:35	MP24717-PS1	1		
11:39	MP24717-S1	1		
11:44	MP24717-S2	1		
11:48	MP24719-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:53	MP24719-B1	1		
11:57	FA2303-1	1		(sample used for QC only; not part of login FA2272)
12:01	MP24719-D1	1		
12:06	MA10577-CCV4	1		
12:10	MA10577-CCB4	1		
12:39	MA10577-CCV5	1		
12:50	MA10577-CCB5	1		
12:54	MP24719-SD1	5		
12:58	MP24719-PS1	1		
13:03	MP24719-S1	1		
13:07	MP24719-S2	1		
13:12	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:39	MA10577-CCV6	1		
13:43	MA10577-CCB6	1		
13:48	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:57	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:19	FA2303-1	5		(sample used for QC only; not part of login FA2272)
14:24	MP24719-D1	5		
14:29	MP24719-S1	5		
14:33	MA10577-CCV7	1		
14:38	MA10577-CCB7	1		
14:42	MP24719-S2	5		
14:47	MP24719-PS1	5		
14:52	MP24719-SD1	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:56	ZZZZZZ	5		
15:01	ZZZZZZ	5		
15:06	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:19	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:28	MA10577-CCV8	1		
15:32	MA10577-CCB8	1		
15:37	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	5		
15:55	ZZZZZZ	10		
15:59	MP24712-MB1	1		
16:04	MP24712-B1	1		
16:08	FA2279-1	1		(sample used for QC only; not part of login FA2272)
16:12	MP24712-D1	1		
16:17	MP24712-S1	1		
16:22	MA10577-CCV9	1		
16:26	MA10577-CCB9	1		
16:46	MA10577-CCV10	1		
16:50	MA10577-CCB10	1		
16:54	MP24712-S2	1		
16:59	MP24712-PS1	1		
17:03	MP24712-SD1	5		
17:08	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:35	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:39	MA10577-CCV11	1		
17:43	MA10577-CCB11	1		
17:48	ZZZZZZ	1		
17:52	ZZZZZZ	2		
17:57	MP24711-MB1	1		
18:01	MP24711-B1	1		
18:06	FA2255-2	1		(sample used for QC only; not part of login FA2272)
18:10	MP24711-D1	1		
18:15	MP24711-S1	1		
18:19	MP24711-S2	1		
18:23	MP24711-PS1	1		
18:28	MP24711-SD1	5		
18:32	MA10577-CCV12	1		
18:36	MA10577-CCB12	1		
18:41	ZZZZZZ	1		
18:46	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:55	ZZZZZZ	1		
18:59	ZZZZZZ	1		
19:04	ZZZZZZ	1		
19:08	MP24708-SD1	25		
19:13	MP24718-MB1	1		
19:18	MP24718-B1	1		
19:22	FA2263-11	1		(sample used for QC only; not part of login FA2272)
19:26	MA10577-CCV13	1		
19:31	MA10577-CCB13	1		
19:35	MP24718-D1	1		
19:40	MP24718-SD1	5		
19:44	MP24718-PS1	1		
19:49	MP24718-S1	1		
19:53	MP24718-S2	1		
19:58	ZZZZZZ	1		
20:02	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:06	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:15	ZZZZZZ	1		
20:20	MA10577-CCV14	1		
20:24	MA10577-CCB14	1		
20:29	ZZZZZZ	1		
20:33	ZZZZZZ	1		
20:37	ZZZZZZ	1		
20:42	ZZZZZZ	1		
20:46	ZZZZZZ	1		
20:51	ZZZZZZ	1		
20:55	ZZZZZZ	1		
21:00	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:09	ZZZZZZ	1		
21:13	MA10577-CCV15	1		
21:18	MA10577-CCB15	1		
21:22	ZZZZZZ	1		
21:27	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:36	ZZZZZZ	1		
21:40	MP24720-MB1	1		
21:45	MP24720-B1	1		
21:49	FA2219-1	1		(sample used for QC only; not part of login FA2272)
21:53	MP24720-D1	1		
21:58	MP24720-SD1	5		
22:02	MP24720-PS1	1		
22:07	MA10577-CCV16	1		
22:11	MA10577-CCB16	1		
22:16	MP24720-S1	1		
22:20	MP24720-S2	1		
22:24	ZZZZZZ	1		
22:29	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:33	ZZZZZZ	1		
22:38	ZZZZZZ	1		
22:42	ZZZZZZ	1		
22:47	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:56	ZZZZZZ	1		
23:01	MA10577-CCV17	1		
23:05	MA10577-CCB17	1		
23:10	ZZZZZZ	1		
23:14	ZZZZZZ	1		
23:19	ZZZZZZ	1		
23:23	ZZZZZZ	1		
23:28	ZZZZZZ	1		
23:32	ZZZZZZ	1		
23:37	ZZZZZZ	1		
23:41	FA2272-5	1		
---------->	Last reportable sample/prep for job FA2272			
23:46	MP24721-MB1	1		
23:50	MP24721-B1	1		
23:55	MA10577-CCV18	1		
23:59	MA10577-CCB18	1		
00:04	FA2284-1	1		(sample used for QC only; not part of login FA2272)
00:08	MP24721-D1	1		
00:13	MP24721-SD1	5		
00:17	MP24721-PS1	1		
00:22	MP24721-S1	1		
00:26	MP24721-S2	1		
00:30	FA2284-1F	1		(sample used for QC only; not part of login FA2272)
00:35	MP24721-D2	1		
00:39	MP24721-SD2	5		
00:44	MP24721-PS2	1		
00:48	MA10577-CCV19	1		
00:52	MA10577-CCB19	1		
00:57	MP24721-S3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:01	MP24721-S4	1		
01:05	ZZZZZZ	1		
01:10	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:19	ZZZZZZ	1		
01:23	ZZZZZZ	1		
01:28	ZZZZZZ	1		
01:32	ZZZZZZ	1		
01:37	ZZZZZZ	1		
01:41	MA10577-CCV20	1		
01:46	MA10577-CCB20	1		
01:50	ZZZZZZ	1		
01:55	ZZZZZZ	1		
01:59	ZZZZZZ	1		
02:04	ZZZZZZ	1		
02:08	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:17	FA2220-1F	1		(sample used for QC only; not part of login FA2272)
02:22	ZZZZZZ	1		
02:27	MA10577-CRIA2	1		
02:31	MA10577-ICSA2	1		
02:36	MA10577-CCV21	1		
02:40	MA10577-CCB21	1		
02:45	MA10577-ICSAB2	1		
02:49	MA10577-CCV22	1		
02:54	MA10577-CCB22	1		

----------> Last reportable CCB for job FA2272
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:36	MA10577-STD1	3377	19385	9441	1541
08:41	MA10577-STD2	3370	19589	9621	1512
08:44	MA10577-STD3	3250	19252	9418	1405
08:48	MA10577-STD4	3143	19321	9499	1316
08:53	MA10577-HSTD1	3114	19041	9307	1303
09:01	MA10577-ICV1	3199	19210	9239	1375
09:09	MA10577-ICB1	3322 R	19178 R	9352 R	1512 R
09:14	MA10577-CRIA1	3300	19353	9360	1492
09:22	MA10577-ICSA1	2978	18137	9000	1223
09:33	MA10577-ICSAB1	2953	18071	8912	1201
09:41	MA10577-CCV1	3140	18970	9224	1337
09:51	MA10577-CCB1	3268	19698	9362	1458
09:56	MP24716-MB1	3317	20023	9516	1480
10:01	MP24716-B1	3169	20013	9421	1361
10:05	FA2140-1	3114	19113	9114	1332
10:09	MP24716-D1	3056	19580	9074	1305
10:14	MP24716-SD1	3232	19812	9256	1429
10:19	MP24716-S1	3092	19788	9236	1282
10:23	MP24716-S2	3090	19553	8986	1281
10:27	ZZZZZZ	3129	19609	9120	1350
10:32	MP24717-MB1	3209	20056	9434	1427
10:36	MP24717-B1	3135	19447	9002	1344
10:41	MA10577-CCV2	3143	19817	9172	1313
10:45	MA10577-CCB2	3232	19633	9180	1434
11:09	MA10577-CCV3	3123	19354	9074	1318
11:15	MA10577-CCB3	3198	19381	9122	1425
11:21	FA2227-1	3195	19586	9183	1345
11:26	MP24717-D1	3218	19751	9294	1347
11:31	MP24717-SD1	3241	19543	9194	1413
11:35	MP24717-PS1	3192	19523	9177	1323
11:39	MP24717-S1	3200	19539	9351	1282
11:44	MP24717-S2	3158	18970	9062	1296
11:48	MP24719-MB1	3135	18213	8740	1414

INTERNAL STANDARD SUMMARY

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:53	MP24719-B1	3047	18496	8722	1326
11:57	FA2303-1	2865	17947	8456	1075
12:01	MP24719-D1	2879	18099	8660	1059
12:06	MA10577-CCV4	3050	18271	8771	1320
12:10	MA10577-CCB4	3146	18355	8983	1452
12:39	MA10577-CCV5	2987	17894	8796	1306
12:50	MA10577-CCB5	3132	18310	9001	1440
12:54	MP24719-SD1	3013	18564	8951	1285
12:58	MP24719-PS1	2866	18503	8914	1073
13:03	MP24719-S1	2861	17794	8793	1020
13:07	MP24719-S2	2847	18028	8966	987
13:12	ZZZZZZ	2885	17948	9068	1094
13:17	ZZZZZZ	2962	18543	9161	1088
13:21	ZZZZZZ	3076	18742	9275	1262
13:26	ZZZZZZ	3140	18657	9110	1409
13:30	ZZZZZZ	3322	19317	9517	1366
13:35	ZZZZZZ	3131	18862	9299	1329
13:39	MA10577-CCV6	3062	19064	9175	1302
13:43	MA10577-CCB6	3161	19118	9288	1426
13:48	ZZZZZZ	3130	19241	9289	1356
13:52	ZZZZZZ	3105	18619	8904	1376
13:57	ZZZZZZ	3327	19664	9673	1363
14:06	ZZZZZZ	3328	20091	9664	1340
14:10	ZZZZZZ	3149	18973	9172	1394
14:15	ZZZZZZ	3124	18393	8858	1370
14:19	FA2303-1	2979	18595	8946	1275
14:24	MP24719-D1	3004	18950	9138	1264
14:29	MP24719-S1	3060	19197	9251	1265
14:33	MA10577-CCV7	3034	18617	8953	1300
14:38	MA10577-CCB7	3090	18262	8939	1427
14:42	MP24719-S2	2894	18261	8898	1200
14:47	MP24719-PS1	2960	18727	8993	1263
14:52	MP24719-SD1	3071	18803	9181	1375

INTERNAL STANDARD SUMMARY

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:56	ZZZZZZ	2940	18127	8671	1269
15:01	ZZZZZZ	2973	18365	8934	1272
15:06	ZZZZZZ	3096	18517	9125	1388
15:10	ZZZZZZ	3080	18661	9080	1393
15:14	ZZZZZZ	3056	18414	8925	1379
15:19	ZZZZZZ	3080	18181	8962	1400
15:23	ZZZZZZ	3058	18379	9016	1395
15:28	MA10577-CCV8	3034	18737	9054	1296
15:32	MA10577-CCB8	3105	18418	8858	1422
15:37	ZZZZZZ	3078	18188	8887	1407
15:41	ZZZZZZ	3067	18374	8951	1403
15:46	ZZZZZZ	3082	18426	9044	1402
15:50	ZZZZZZ	4081	24352	12035	1307
15:55	ZZZZZZ	4127	23634	11762	1423
15:59	MP24712-MB1	3142	17643	9026	1469
16:04	MP24712-B1	2985	17803	8737	1341
16:08	FA2279-1	3403	19703	9795	1380
16:12	MP24712-D1	3414	19427	9656	1384
16:17	MP24712-S1	3231	18972	9439	1325
16:22	MA10577-CCV9	2993	17853	8852	1309
16:26	MA10577-CCB9	3067	17733	8870	1428
16:46	MA10577-CCV10	2928	17242	8595	1296
16:50	MA10577-CCB10	3000	17050	8672	1417
16:54	MP24712-S2	3211	18902	9637	1310
16:59	MP24712-PS1	3398	19993	9833	1371
17:03	MP24712-SD1	3162	17875	8941	1430
17:08	ZZZZZZ	3409	19473	9949	1395
17:12	ZZZZZZ	3133	18352	9222	1391
17:17	ZZZZZZ	3213	18817	9422	1386
17:21	ZZZZZZ	3190	18144	9086	1391
17:26	ZZZZZZ	3552	19860	10236	1354
17:30	ZZZZZZ	3288	18981	9657	1388
17:35	ZZZZZZ	3182	18762	9364	1405

INTERNAL STANDARD SUMMARY

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:39	MA10577-CCV11	2954	17243	8544	1311
17:43	MA10577-CCB11	3020	16832	8524	1447
17:48	ZZZZZZ	3110	17850	9134	1393
17:52	ZZZZZZ	3926	22465	11412	1414
17:57	MP24711-MB1	3030	17514	8947	1416
18:01	MP24711-B1	2985	17142	8619	1360
18:06	FA2255-2	2936	16831	8473	1387
18:10	MP24711-D1	2975	17250	8776	1398
18:15	MP24711-S1	2957	17462	8896	1329
18:19	MP24711-S2	2973	17491	8874	1325
18:23	MP24711-PS1	2937	17105	8569	1349
18:28	MP24711-SD1	3013	16943	8542	1444
18:32	MA10577-CCV12	2931	17044	8715	1309
18:36	MA10577-CCB12	3035	17268	8864	1437
18:41	ZZZZZZ	2802	17032	8505	1255
18:46	ZZZZZZ	2940	16818	8601	1400
18:50	ZZZZZZ	3010	17045	8791	1427
18:55	ZZZZZZ	3011	17085	8724	1423
18:59	ZZZZZZ	3054	17538	8873	1434
19:04	ZZZZZZ	3011	16781	8640	1434
19:08	MP24708-SD1	2691	16521	8284	1149
19:13	MP24718-MB1	2973	16924	8674	1402
19:18	MP24718-B1	2942	17124	8550	1335
19:22	FA2263-11	3060	17069	8551	1379
19:26	MA10577-CCV13	2947	17082	8611	1319
19:31	MA10577-CCB13	3032	17260	8746	1433
19:35	MP24718-D1	3149	17904	9068	1409
19:40	MP24718-SD1	3108	17674	8927	1429
19:44	MP24718-PS1	3029	17274	8563	1363
19:49	MP24718-S1	3006	17199	8718	1318
19:53	MP24718-S2	3036	17721	8855	1328
19:58	ZZZZZZ	3233	18280	9210	1427
20:02	ZZZZZZ	3013	17357	8723	1403

INTERNAL STANDARD SUMMARY

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:06	ZZZZZZ	3044	16988	8510	1398
20:11	ZZZZZZ	3044	17390	8959	1370
20:15	ZZZZZZ	3152	17863	9021	1399
20:20	MA10577-CCV14	2990	17573	8862	1321
20:24	MA10577-CCB14	3052	17498	8800	1429
20:29	ZZZZZZ	3036	16881	8457	1394
20:33	ZZZZZZ	3131	17508	8845	1366
20:37	ZZZZZZ	3334	18781	9546	1378
20:42	ZZZZZZ	3130	18408	9180	1400
20:46	ZZZZZZ	2993	17086	8623	1398
20:51	ZZZZZZ	3111	17775	8921	1404
20:55	ZZZZZZ	3058	17143	8609	1400
21:00	ZZZZZZ	3076	17403	8826	1391
21:04	ZZZZZZ	2975	17022	8592	1402
21:09	ZZZZZZ	3062	17407	8740	1406
21:13	MA10577-CCV15	2980	17550	8663	1310
21:18	MA10577-CCB15	3034	17266	8615	1425
21:22	ZZZZZZ	3417	19122	9650	1406
21:27	ZZZZZZ	2976	16984	8542	1403
21:31	ZZZZZZ	3085	17597	8841	1396
21:36	ZZZZZZ	3033	17316	8674	1405
21:40	MP24720-MB1	3057	17632	8870	1432
21:45	MP24720-B1	2985	17572	8731	1348
21:49	FA2219-1	3021	17628	8945	1413
21:53	MP24720-D1	2990	17101	8656	1416
21:58	MP24720-SD1	3021	17243	8700	1433
22:02	MP24720-PS1	2980	17403	8804	1381
22:07	MA10577-CCV16	2939	17412	8718	1298
22:11	MA10577-CCB16	3028	17504	8713	1418
22:16	MP24720-S1	2942	17365	8701	1320
22:20	MP24720-S2	2971	17518	8684	1327
22:24	ZZZZZZ	3043	17904	9014	1415
22:29	ZZZZZZ	3040	17758	8980	1418

INTERNAL STANDARD SUMMARY

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:33	ZZZZZZ	3001	17049	8602	1419
22:38	ZZZZZZ	3011	16345	8601	1431
22:42	ZZZZZZ	2988	17180	8698	1414
22:47	ZZZZZZ	3016	17414	8825	1420
22:52	ZZZZZZ	3000	17742	8947	1413
22:56	ZZZZZZ	3019	17540	8943	1418
23:01	MA10577-CCV17	2925	17505	8686	1285
23:05	MA10577-CCB17	3033	17514	8748	1414
23:10	ZZZZZZ	3038	17806	8864	1416
23:14	ZZZZZZ	3132	18399	9032	1409
23:19	ZZZZZZ	2973	17464	8653	1370
23:23	ZZZZZZ	3041	17689	8861	1386
23:28	ZZZZZZ	2956	17773	8771	1353
23:32	ZZZZZZ	2847	17381	8607	1318
23:37	ZZZZZZ	2996	17384	8791	1403
23:41	FA2272-5	2990	17486	8783	1403
23:46	MP24721-MB1	3015	18299	8829	1412
23:50	MP24721-B1	2973	17683	8734	1338
23:55	MA10577-CCV18	2925	17492	8636	1284
23:59	MA10577-CCB18	2966	16989	8468	1396
00:04	FA2284-1	3021	17188	8778	1420
00:08	MP24721-D1	2995	17164	8750	1409
00:13	MP24721-SD1	2973	17017	8709	1405
00:17	MP24721-PS1	2998	17491	8918	1386
00:22	MP24721-S1	2957	17327	8802	1331
00:26	MP24721-S2	2951	17487	8828	1329
00:30	FA2284-1F	3013	17512	8937	1414
00:35	MP24721-D2	3045	17769	8976	1422
00:39	MP24721-SD2	2989	17318	8672	1401
00:44	MP24721-PS2	3000	17607	8887	1381
00:48	MA10577-CCV19	2890	17230	8622	1276
00:52	MA10577-CCB19	2975	16819	8424	1414
00:57	MP24721-S3	2915	16976	8413	1328

INTERNAL STANDARD SUMMARY

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10577
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:01	MP24721-S4	2936	17106	8728	1331
01:05	ZZZZZZ	2974	17075	8788	1403
01:10	ZZZZZZ	2997	17374	8883	1406
01:14	ZZZZZZ	2989	17357	8951	1403
01:19	ZZZZZZ	2974	17337	8776	1398
01:23	ZZZZZZ	3024	17672	8963	1417
01:28	ZZZZZZ	2978	17433	8913	1395
01:32	ZZZZZZ	3005	17595	8906	1407
01:37	ZZZZZZ	2985	17344	8825	1402
01:41	MA10577-CCV20	2855	16561	8323	1280
01:46	MA10577-CCB20	2945	16598	8523	1410
01:50	ZZZZZZ	2970	16928	8756	1414
01:55	ZZZZZZ	2961	16964	8811	1408
01:59	ZZZZZZ	2986	17306	8991	1418
02:04	ZZZZZZ	2992	17323	9014	1418
02:08	ZZZZZZ	2982	17378	8957	1422
02:13	ZZZZZZ	2978	17245	8850	1409
02:17	FA2220-1F	2983	17344	8882	1413
02:22	ZZZZZZ	2971	17172	8803	1406
02:27	MA10577-CRIA2	2942	17080	8589	1384
02:31	MA10577-ICSA2	2670	16068	8329	1129
02:36	MA10577-CCV21	2885	17277	8700	1283
02:40	MA10577-CCB21	2969	17024	8630	1409
02:45	MA10577-ICSAB2	2634	15459	8034	1118
02:49	MA10577-CCV22	2846	16548	8509	1287
02:54	MA10577-CCB22	2924	16623	8640	1408

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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			09:09		09:51		10:45		11:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-5.6	<200	-3.3	<200	2.1	<200	-3.7	<200
Antimony	6.0	1.3	1.0	<6.0	0.90	<6.0	0.0	<6.0	-0.50	<6.0
Arsenic	10	1.6	-0.10	<10	0.0	<10	-0.70	<10	1.3	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	1.6	<1000	11.1	<1000	11.5	<1000	7.6	<1000
Chromium	10	1.8	0.60	<10	0.70	<10	0.50	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	5.1	<300	12.4	<300	16.4	<300	11.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-6.8	<5000	0.30	<5000	0.90	<5000	0.80	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	3.4	<10000	-3.7	<10000	21.5	<10000	13.0	<10000
Selenium	10	2	-1.9	<10	1.3	<10	1.1	<10	-1.9	<10
Silver	10	.5	anr							
Sodium	10000	500	0.60	<10000	13.2	<10000	18.3	<10000	5.7	<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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			12:10		12:50		13:43		14:38	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.30	<200	0.80	<200	-7.9	<200	7.7	<200
Antimony	6.0	1.3	-0.10	<6.0	1.4	<6.0	0.80	<6.0	0.80	<6.0
Arsenic	10	1.6	1.2	<10	0.30	<10	0.70	<10	0.50	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	18.7	<1000	6.2	<1000	2.6	<1000	11.0	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	-0.30	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	11.2	<300	7.8	<300	3.4	<300	9.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-6.7	<5000	8.3	<5000	5.2	<5000	9.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	14.6	<10000	6.9	<10000	21.2	<10000	25.9	<10000
Selenium	10	2	-0.10	<10	-1.2	<10	-1.0	<10	0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	0.10	<10000	3.2	<10000	4.1	<10000	7.4	<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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			15:32		16:26		16:50		17:43	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.9	<200	7.9	<200	9.5	<200	16.1	<200
Antimony	6.0	1.3	0.80	<6.0	1.1	<6.0	0.20	<6.0	1.4	<6.0
Arsenic	10	1.6	0.60	<10	0.50	<10	-0.30	<10	-0.30	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	6.0	<1000	11.4	<1000	6.7	<1000	10.4	<1000
Chromium	10	1.8	0.30	<10	0.50	<10	0.50	<10	0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.2	<300	12.1	<300	11.9	<300	14.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-0.10	<5000	1.3	<5000	13.1	<5000	5.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	19.5	<10000	17.2	<10000	60.2	<10000	4.2	<10000
Selenium	10	2	-1.4	<10	-0.40	<10	-1.2	<10	-3.6	<10
Silver	10	.5	anr							
Sodium	10000	500	8.9	<10000	16.6	<10000	11.9	<10000	13.6	<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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			18:36		19:31		20:24		21:18	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.9	<200	13.5	<200	10.5	<200	13.3	<200
Antimony	6.0	1.3	1.1	<6.0	0.50	<6.0	0.0	<6.0	1.4	<6.0
Arsenic	10	1.6	0.0	<10	-0.40	<10	-0.20	<10	0.10	<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	0.40	<5.0
Calcium	1000	50	6.6	<1000	6.7	<1000	6.7	<1000	15.2	<1000
Chromium	10	1.8	0.20	<10	0.20	<10	0.10	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.6	<300	9.2	<300	8.0	<300	17.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	6.1	<5000	1.0	<5000	8.4	<5000	11.6	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	30.9	<10000	28.5	<10000	27.1	<10000	25.5	<10000
Selenium	10	2	-2.7	<10	-1.4	<10	-0.90	<10	-0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	13.1	<10000	9.5	<10000	1.4	<10000	15.8	<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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			22:11		23:05		23:59		00:52	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	16.9	<200	14.0	<200	14.1	<200	10.2	<200
Antimony	6.0	1.3	0.60	<6.0	0.80	<6.0	0.40	<6.0	0.0	<6.0
Arsenic	10	1.6	-0.30	<10	0.20	<10	0.50	<10	-0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.30	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	9.0	<1000	14.1	<1000	9.8	<1000	9.3	<1000
Chromium	10	1.8	0.30	<10	0.30	<10	0.30	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	12.7	<300	16.9	<300	14.0	<300	11.7	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	5.4	<5000	10.2	<5000	8.6	<5000	17.2	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	47.1	<10000	39.8	<10000	37.1	<10000	21.9	<10000
Selenium	10	2	-5.0	<10	-1.6	<10	-3.5	<10	-1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	11.7	<10000	12.2	<10000	9.4	<10000	4.1	<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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10577 Units: ug/l

Time:			01:46		02:40		02:54	
Sample ID:			CCB20		CCB21		CCB22	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	17.7	<200	15.7	<200	19.9	<200
Antimony	6.0	1.3	1.7	<6.0	0.40	<6.0	1.6	<6.0
Arsenic	10	1.6	-0.40	<10	0.40	<10	0.10	<10
Barium	200	1	anr					
Beryllium	4.0	.5	anr					
Cadmium	5.0	.5	0.30	<5.0	0.30	<5.0	0.20	<5.0
Calcium	1000	50	33.9	<1000	37.1	<1000	36.7	<1000
Chromium	10	1.8	0.50	<10	0.20	<10	0.40	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	17.8	<300	21.7	<300	22.7	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	4.2	<5000	17.9	<5000	11.4	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	47.3	<10000	2.6	<10000	18.6	<10000
Selenium	10	2	-2.4	<10	-2.3	<10	-2.3	<10
Silver	10	.5	anr					
Sodium	10000	500	17.0	<10000	13.1	<10000	14.7	<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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		09:01			09:41			10:41	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42100	105.3	40000	42100	105.3	40000	43600	109.0
Antimony	2000	2080	104.0	2000	2070	103.5	2000	2060	103.0
Arsenic	2000	2040	102.0	2000	2070	103.5	2000	2060	103.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2100	105.0	2000	2100	105.0	2000	2100	105.0
Calcium	40000	43200	108.0	40000	42600	106.5	40000	43700	109.3
Chromium	2000	2120	106.0	2000	2090	104.5	2000	1960	98.0
Cobalt	anr								
Copper	anr								
Iron	40000	42200	105.5	40000	42500	106.3	40000	41600	104.0
Lead	anr								
Magnesium	40000	40700	101.8	40000	42100	105.3	40000	43000	107.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41800	104.5	40000	42000	105.0	40000	43300	108.3
Selenium	2000	2110	105.5	2000	2060	103.0	2000	2040	102.0
Silver	anr								
Sodium	40000	42000	105.0	40000	42100	105.3	40000	43000	107.5
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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		11:09			12:06			12:39	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39500	98.8	40000	39800	99.5
Antimony	2000	1960	98.0	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	1970	98.5	2000	2040	102.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2000	100.0	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40000	100.0	40000	40400	101.0	40000	40600	101.5
Chromium	2000	2000	100.0	2000	2180	109.0	2000	2120	106.0
Cobalt	anr								
Copper	anr								
Iron	40000	40100	100.3	40000	41800	104.5	40000	41500	103.8
Lead	anr								
Magnesium	40000	39600	99.0	40000	40400	101.0	40000	40600	101.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39500	98.8	40000	39900	99.8	40000	40100	100.3
Selenium	2000	1980	99.0	2000	2060	103.0	2000	2040	102.0
Silver	anr								
Sodium	40000	39600	99.0	40000	40100	100.3	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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		13:39			14:33			15:28	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	39300	98.3	40000	39200	98.0
Antimony	2000	1980	99.0	2000	1960	98.0	2000	1980	99.0
Arsenic	2000	1990	99.5	2000	1960	98.0	2000	1990	99.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0
Calcium	40000	40200	100.5	40000	39700	99.3	40000	40000	100.0
Chromium	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	39300	98.3	40000	39200	98.0	40000	39500	98.8
Lead	anr								
Magnesium	40000	39200	98.0	40000	39000	97.5	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40500	101.3	40000	40300	100.8	40000	40700	101.8
Selenium	2000	1990	99.5	2000	1970	98.5	2000	1990	99.5
Silver	anr								
Sodium	40000	40800	102.0	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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		16:22			16:46			17:39	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	40600	101.5	40000	40200	100.5
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	2050	102.5	2000	2010	100.5	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2050	102.5	2000	2070	103.5
Calcium	40000	40100	100.3	40000	41100	102.8	40000	41500	103.8
Chromium	2000	2180	109.0	2000	2090	104.5	2000	2140	107.0
Cobalt	anr								
Copper	anr								
Iron	40000	41000	102.5	40000	41500	103.8	40000	41900	104.8
Lead	anr								
Magnesium	40000	39800	99.5	40000	41200	103.0	40000	41700	104.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40900	102.3	40000	40400	101.0	40000	40600	101.5
Selenium	2000	2070	103.5	2000	2020	101.0	2000	2030	101.5
Silver	anr								
Sodium	40000	41200	103.0	40000	40500	101.3	40000	40600	101.5
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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		18:32			19:26			20:20	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39600	99.0	40000	39500	98.8
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2080	104.0	2000	2060	103.0
Calcium	40000	40500	101.3	40000	40800	102.0	40000	40600	101.5
Chromium	2000	2140	107.0	2000	2160	108.0	2000	2110	105.5
Cobalt	anr								
Copper	anr								
Iron	40000	41400	103.5	40000	41700	104.3	40000	40900	102.3
Lead	anr								
Magnesium	40000	40400	101.0	40000	41000	102.5	40000	40500	101.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40000	100.0	40000	40100	100.3	40000	40000	100.0
Selenium	2000	2050	102.5	2000	2050	102.5	2000	2020	101.0
Silver	anr								
Sodium	40000	40100	100.3	40000	40100	100.3	40000	39900	99.8
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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		21:13			22:07			23:01	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40100	100.3	40000	40700	101.8
Antimony	2000	2020	101.0	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2070	103.5
Calcium	40000	41500	103.8	40000	40900	102.3	40000	41400	103.5
Chromium	2000	2100	105.0	2000	2090	104.5	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	41600	104.0	40000	41300	103.3	40000	41400	103.5
Lead	anr								
Magnesium	40000	41500	103.8	40000	40800	102.0	40000	41100	102.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40800	102.0	40000	40400	101.0	40000	40900	102.3
Selenium	2000	2030	101.5	2000	2040	102.0	2000	2050	102.5
Silver	anr								
Sodium	40000	40600	101.5	40000	40300	100.8	40000	40700	101.8
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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		23:55			00:48			01:41	
Sample ID:	CCV	CCV18		CCV	CCV19		CCV	CCV20	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40600	101.5	40000	40500	101.3
Antimony	2000	2030	101.5	2000	2050	102.5	2000	2070	103.5
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2070	103.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2070	103.5	2000	2090	104.5
Calcium	40000	41500	103.8	40000	41200	103.0	40000	41300	103.3
Chromium	2000	2050	102.5	2000	2080	104.0	2000	2180	109.0
Cobalt	anr								
Copper	anr								
Iron	40000	41300	103.3	40000	41300	103.3	40000	42300	105.8
Lead	anr								
Magnesium	40000	41400	103.5	40000	41100	102.8	40000	41600	104.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	40700	101.8	40000	40800	102.0
Selenium	2000	2040	102.0	2000	2040	102.0	2000	2070	103.5
Silver	anr								
Sodium	40000	40800	102.0	40000	40600	101.5	40000	40700	101.8
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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10577 Units: ug/l

Time:		02:36			02:49	
Sample ID:	CCV	CCV21		CCV	CCV22	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	39800	99.5
Antimony	2000	2060	103.0	2000	2070	103.5
Arsenic	2000	2050	102.5	2000	2070	103.5
Barium	anr					
Beryllium	anr					
Cadmium	2000	2070	103.5	2000	2090	104.5
Calcium	40000	40900	102.3	40000	40600	101.5
Chromium	2000	2090	104.5	2000	2190	109.5
Cobalt	anr					
Copper	anr					
Iron	40000	41400	103.5	40000	42000	105.0
Lead	anr					
Magnesium	40000	40700	101.8	40000	40600	101.5
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	40700	101.8	40000	40400	101.0
Selenium	2000	2070	103.5	2000	2100	105.0
Silver	anr					
Sodium	40000	40500	101.3	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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10577 Units: ug/l

Time:		08:53	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	82300	102.9
Antimony	4000	4080	102.0
Arsenic	4000	4070	101.8
Barium	anr		
Beryllium	anr		
Cadmium	4000	4030	100.8
Calcium	80000	81900	102.4
Chromium	4000	4050	101.3
Cobalt	anr		
Copper	anr		
Iron	80000	81300	101.6
Lead	anr		
Magnesium	80000	82000	102.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	82500	103.1
Selenium	4000	4060	101.5
Silver	anr		
Sodium	80000	82300	102.9
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10577 Units: ug/l

Time:			09:14		02:27	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	211	105.5	216	108.0
Antimony	10	5.0	5.7	114.0	5.0	100.0
Arsenic	20	10	10.9	109.0	10.8	108.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.4	108.0
Calcium	2000	1000	1070	107.0	1060	106.0
Chromium	20	10	11.3	113.0	10.8	108.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	327	109.0	325	108.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5200	104.0	5160	103.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10500	105.0	10500	105.0
Selenium	20	10	10.7	107.0	6.3	63.0*(a)
Silver	20	10	anr			
Sodium	20000	10000	10500	105.0	10300	103.0
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
(a) Possible instrument baseline drift.

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

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030513M1.ICP Date Analyzed: 03/05/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10577 Units: ug/l

Time:			09:22		09:33		02:31		02:45	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	512000	102.4	530000	106.0	501000	100.2	504000	100.8
Antimony		1000	1.1		1020	102.0	-0.10		1030	103.0
Arsenic		1000	0.0		993	99.3	0.10		1000	100.0
Barium		500	0.0		546	109.2	0.0		550	110.0
Beryllium		500	0.0		526	105.2	-0.10		521	104.2
Cadmium		1000	-0.10		959	95.9	-1.1		957	95.7
Calcium	500000	500000	485000	97.0	494000	98.8	478000	95.6	478000	95.6
Chromium		500	-0.20		493	98.6	-0.30		520	104.0
Cobalt		500	-0.70		484	96.8	-0.40		468	93.6
Copper		500	0.0		569	113.8	-0.90		582	116.4
Iron	200000	200000	195000	97.5	194000	97.0	194000	97.0	194000	97.0
Lead		1000	0.10		983	98.3	2.8		954	95.4
Magnesium	500000	500000	502000	100.4	513000	102.6	498000	99.6	502000	100.4
Manganese		500	0.60		508	101.6	-0.10		540	108.0
Molybdenum		1000	1.0		922	92.2	1.1		890	89.0
Nickel		1000	0.0		952	95.2	-0.20		943	94.3
Potassium			10.7		1.4		30.6		22.1	
Selenium		1000	0.0		980	98.0	-5.2		994	99.4
Silver		1000	-0.10		1110	111.0	-0.10		1090	109.0
Sodium			57.8		76.0		53.8		64.7	
Strontium		1000	11.5		1020	102.0	11.2		988	98.8
Thallium		1000	0.0		971	97.1	1.6		950	95.0
Tin		1000	-0.80		870	87.0	-0.40		851	85.1
Titanium		1000	-3.5		978	97.8	-3.2		1030	103.0
Vanadium		500	0.0		497	99.4	-0.10		503	100.6
Zinc		1000	0.0		959	95.9	0.20		950	95.0

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
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 FA2272)
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: FA2272
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 FA2272)
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		
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	FA2272-1	1		
13:43	FA2272-2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
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	FA2272-3	1		
	13:52	FA2272-4	1		
---------->	Last reportable sample/prep for job FA2272				
	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 FA2272				
	14:19	MA10580-CCV8	1		
	14:24	MA10580-CCB8	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2272
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: FA2272
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	FA2272-1	1797	14392	9157	865
13:43	FA2272-2	1825	14423	9031	877

INTERNAL STANDARD SUMMARY

Login Number: FA2272
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	FA2272-3	1904	14990	9302	943
13:52	FA2272-4	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: FA2272
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: FA2272
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: FA2272
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: FA2272
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: FA2272
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: FA2272
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: FA2272
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: FA2272
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: FA2272
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: Mg,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 FA2272)
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: FA2272
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: Mg,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 FA2272)
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	ZZZZZZ	10		
12:54	ZZZZZZ	5		
12:59	FA2272-1	5		
13:03	MA10583-CCV6	1		
13:07	MA10583-CCB6	1		
13:11	FA2272-2	5		
13:15	FA2272-3	4		
13:19	FA2272-4	4		
---------->	Last reportable sample/prep for job FA2272			
13:23	ZZZZZZ	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
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: Mg,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 FA2272)
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 FA2272)
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: FA2272
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: Mg,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 FA2272)
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 FA2272
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2272
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: Mg,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: FA2272
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: Mg,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	ZZZZZZ	6931	37550	8618	2271
12:54	ZZZZZZ	7439	40059	9580	2172
12:59	FA2272-1	6213	33828	7802	2392
13:03	MA10583-CCV6	6407	35188	7899	2390
13:07	MA10583-CCB6	6604	36524	7842	2861
13:11	FA2272-2	6163	33379	7649	2350
13:15	FA2272-3	6167	33856	7471	2389
13:19	FA2272-4	6375	34951	7845	2500
13:23	ZZZZZZ	6668	36345	8323	2324

INTERNAL STANDARD SUMMARY

Login Number: FA2272
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: Mg,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: FA2272
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: Mg,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: FA2272
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: Mg,Na

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

6.3.1

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2272
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	anr							
Antimony	6.0	1.3	anr							
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	-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	anr							
Selenium	10	2	anr							
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: FA2272
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	anr							
Antimony	6.0	1.3	anr							
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	-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	anr							
Selenium	10	2	anr							
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: FA2272
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	anr							
Antimony	6.0	1.3	anr							
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	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	anr							
Selenium	10	2	anr							
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: FA2272
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	anr			
Antimony	6.0	1.3	anr			
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	7.1	<5000	33.1	<5000
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	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: FA2272
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	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	40000	39800	99.5	40000	38600	96.5	40000	39100	97.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
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: FA2272
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	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	40000	38600	96.5	40000	37900	94.8	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
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: FA2272
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	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	40000	39500	98.8	40000	40600	101.5	40000	41900	104.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
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: FA2272
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	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	40000	40300	100.8	40000	39700	99.3	40000	40500	101.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
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: FA2272
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	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	40000	42300	105.8	40000	42000	105.0
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	anr					
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: FA2272
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	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	80000	78800	98.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
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: FA2272
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	anr			
Antimony	10	5.0	anr			
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	5050	101.0	5180	103.6
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	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: FA2272
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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	12.0	<200
Antimony	6.0	1.3	1.3	-0.40	<6.0
Arsenic	10	1.6	2.5	-0.20	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	33.2	<1000
Chromium	10	1.8	2	0.0	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-1.2	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	2.4	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-2.8	<10000
Selenium	10	2	2	-1.1	<10
Silver	10	.5	.5		
Sodium	10000	500	500	4.4	<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 MP24720: FA2272-5

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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			03/05/13					03/05/13	
Metal	FA2219-1 Original	DUP	RPD	QC Limits	FA2219-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	192	230	18.0	0-20	192	27200	27000	100.0	80-120
Antimony	0.0	0.0	NC	0-20	0.0	510	500	102.0	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	1990	2000	99.5	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	50.5	50	101.0	80-120
Calcium	8140	8170	0.4	0-20	8140	33800	25000	102.6	80-120
Chromium	0.0	0.0	NC	0-20	0.0	212	200	106.0	80-120
Cobalt	anr								
Copper	anr								
Iron	115	125	8.3	0-20	115	27000	26000	103.4	80-120
Lead	anr								
Magnesium	3550	3590	1.1	0-20	3550	28400	25000	99.4	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	1420	1430	0.7	0-20	1420	26700	25000	101.1	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2020	2000	101.0	80-120
Silver	anr								
Sodium	14200	14300	0.7	0-20	14200	39100	25000	99.6	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP24720: FA2272-5

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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	FA2219-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	192	28200	27000	103.7	3.6	20
Antimony	0.0	523	500	104.6	2.5	20
Arsenic	0.0	2050	2000	102.5	3.0	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	51.8	50	103.6	2.5	20
Calcium	8140	34700	25000	106.2	2.6	20
Chromium	0.0	217	200	108.5	2.3	20
Cobalt	anr					
Copper	anr					
Iron	115	27900	26000	106.9	3.3	20
Lead	anr					
Magnesium	3550	29400	25000	103.4	3.5	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	1420	27600	25000	104.7	3.3	20
Selenium	0.0	2100	2000	105.0	3.9	20
Silver	anr					
Sodium	14200	39800	25000	102.4	1.8	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP24720: FA2272-5

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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	27900	27000	103.3	80-120
Antimony	527	500	105.4	80-120
Arsenic	2050	2000	102.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	52.4	50	104.8	80-120
Calcium	26700	25000	106.8	80-120
Chromium	220	200	110.0	80-120
Cobalt	anr			
Copper	anr			
Iron	27900	26000	107.3	80-120
Lead	anr			
Magnesium	25900	25000	103.6	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	26200	25000	104.8	80-120
Selenium	2090	2000	104.5	80-120
Silver	anr			
Sodium	25800	25000	103.2	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP24720: FA2272-5

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	FA2219-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	192	207	7.8	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	8140	8790	8.0	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	anr			
Copper	anr			
Iron	115	0.00	100.0(a)	0-10
Lead	anr			
Magnesium	3550	3760	6.0	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	1420	1530	7.7	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	14200	15000	5.3	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP24720: FA2272-5

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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24720
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/05/13

Metal	Sample ml	Final ml	FA2219-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	192.3	188.454	2641	0.2	125	2500	98.1	80-120
Antimony	9.8	10	0	0	102.3	0.2	5	100	102.3	80-120
Arsenic	9.8	10	0	0	99.2	0.2	5	100	99.2	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	8135	7972.3	14030	0.2	250	5000	121.2*(a	80-120
Chromium	9.8	10	0	0	54.9	0.2	2.5	50	109.8	80-120
Cobalt										
Copper										
Iron	9.8	10	114.7	112.406	3277	0.2	150	3000	105.5	80-120
Lead										
Magnesium	9.8	10	3550	3479	8556	0.2	250	5000	101.5	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	1420	1391.6	11590	0.2	500	10000	102.0	80-120
Selenium	9.8	10	0	0	98.1	0.2	5	100	98.1	80-120
Silver										
Sodium	9.8	10	14210	13925.8	24460	0.2	500	10000	105.3	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24720: FA2272-5

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
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2272
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: FA2272-1, FA2272-2, FA2272-3, FA2272-4

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: FA2272
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: FA2272-1, FA2272-2, FA2272-3, FA2272-4

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.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2272
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: FA2272-1, FA2272-2, FA2272-3, FA2272-4

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2272
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: FA2272-1, FA2272-2, FA2272-3, FA2272-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2272
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: FA2272-1, FA2272-2, FA2272-3, FA2272-4

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: FA2272
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: FA2272-1, FA2272-2, FA2272-3, FA2272-4

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: FA2272
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	GN54570	5.0	1.3	mg/l	250	252	101.0	90-113%
Chloride	GP21098/GN54432	2.0	0.0	mg/l	50	50.2	100.4	90-110%
Fluoride	GP21098/GN54432	0.20	0.0	mg/l	2.5	2.57	102.8	90-110%
Nitrogen, Nitrate	GP21098/GN54432	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Phosphate, Ortho	GP21091/GN54430	0.10	0.0	mg/l	.300	0.32	107.0	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				
Solids, Total Dissolved	GN54487	100	11.0	mg/l				
Specific Conductivity	GN54419	1.0	0.0	umhos/cm				
Sulfate	GP21098/GN54432	2.0	0.0	mg/l	50	51.0	102.0	90-110%

Associated Samples:
Batch GN54419: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
Batch GN54469: FA2272-3, FA2272-4, FA2272-5
Batch GN54487: FA2272-1, FA2272-2
Batch GN54570: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
Batch GP21091: FA2272-5, FA2272-1F, FA2272-2F, FA2272-3F, FA2272-4F
Batch GP21098: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
Batch GP21138: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2272
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	GN54570	FA2365-2	mg/l	34.1	35.4	3.7	0-20%
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%
Solids, Total Dissolved	GN54487	FA1988-1	mg/l	72000	50300	35.0*(a)	0-5%
Specific Conductivity	GN54419	FA2272-1	umhos/cm	5230	5240	0.2	0-10%
pH	GN54421	FA2272-1	su	3.76	3.77	0.3	0-10%

Associated Samples:
Batch GN54419: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
Batch GN54421: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
Batch GN54469: FA2272-3, FA2272-4, FA2272-5
Batch GN54487: FA2272-1, FA2272-2
Batch GN54570: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
Batch GP21138: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
(*) Outside of QC limits
(a) Outside control limits.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2272
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	GN54570	FA2365-2	mg/l	34.1	250	287	101.0	90-113%
Chloride	GP21098/GN54476	FA2149-1	mg/l	167	50	204	74.0N(a)	90-110%
Fluoride	GP21098/GN54476	FA2149-1	mg/l	0.48	2.5	2.6	84.8N(a)	90-110%
Nitrogen, Nitrate	GP21098/GN54476	FA2149-1	mg/l	0.65	2.5	3.0	94.0	90-110%
Phosphate, Ortho	GP21091/GN54430	FA2272-3F	mg/l	17.9	0.300	30.3	4130.2(b)	83-116%
Phosphorus, Total	GP21138/GN54549	FA2417-1	mg/l	0.94	.300	1.3	104.0	81-118%
Sulfate	GP21098/GN54476	FA2149-1	mg/l	28.3	50	72.1	87.6N(a)	90-110%

Associated Samples:
Batch GN54570: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
Batch GP21091: FA2272-5, FA2272-1F, FA2272-2F, FA2272-3F, FA2272-4F
Batch GP21098: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
Batch GP21138: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
(*) 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: FA2272
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	GP21098/GN54476	FA2149-1	mg/l	167	50	213	4.3	
Fluoride	GP21098/GN54476	FA2149-1	mg/l	0.48	2.5	2.7	3.8N(a)	
Nitrogen, Nitrate	GP21098/GN54476	FA2149-1	mg/l	0.65	2.5	3.1	3.3	
Phosphate, Ortho	GP21091/GN54430	FA2272-3F	mg/l	17.9	0.300	30.2	4093.6	26%
Phosphorus, Total	GP21138/GN54549	FA2417-1	mg/l	0.94	.300	1.17	6.3	22%
Sulfate	GP21098/GN54476	FA2149-1	mg/l	28.3	50	75.5	4.6	

Associated Samples:
Batch GP21091: FA2272-5, FA2272-1F, FA2272-2F, FA2272-3F, FA2272-4F
Batch GP21098: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
Batch GP21138: FA2272-1, FA2272-2, FA2272-3, FA2272-4, FA2272-5
(*) 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: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313020301.TXT Date Analyzed: 03/02/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54432
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:13	GN54432-CCV1	1		
12:28	GN54432-CCB1	1		
12:44	GP21098-MB1	1		
13:00	GP21098-B1	1		
13:48	FA2272-1	25		
14:04	FA2272-2	25		
14:20	FA2272-3	10		
14:36	FA2272-4	10		
14:51	FA2272-5	1		
15:23	GN54432-CCV2	1		
15:39	GN54432-CCB2	1		
15:55	ZZZZZZ	5		
16:59	ZZZZZZ	5		
18:18	GN54432-CCV3	1		
18:34	GN54432-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313020301.TXT Date Analyzed: 03/02/13 Methods: EPA 300/SW846 9056A
Run ID: GN54432 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54432-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54432-CCV1	Chloride	50.1	2.0	0.80	50	100.2	90-110
GN54432-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54432-CCV1	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54432-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54432-CCB1	Chloride	0.80 U	2.0	0.80			
GN54432-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54432-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54432-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54432-CCV2	Chloride	50.2	2.0	0.80	50	100.4	90-110
GN54432-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54432-CCV2	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN54432-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54432-CCB2	Chloride	0.80 U	2.0	0.80			
GN54432-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54432-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54432-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54432-CCV3	Chloride	50.3	2.0	0.80	50	100.6	90-110
GN54432-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54432-CCV3	Sulfate	49.9	2.0	0.60	50	99.8	90-110
GN54432-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54432-CCB3	Chloride	0.80 U	2.0	0.80			
GN54432-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54432-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54476
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:18	GN54476-CCV1	1		
09:33	GN54476-CCB1	1		
09:49	GP21111-MB1	1		
10:05	GP21111-B1	1		
10:53	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:56	ZZZZZZ	200		
12:12	ZZZZZZ	10		
12:28	GN54476-CCV2	1		
12:44	GN54476-CCB2	1		
13:00	FA2319-1	1		(sample used for QC only; not part of login FA2272)
13:16	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:48	ZZZZZZ	10		
14:04	GP21111-S1	1		
14:19	GP21111-S2	1		
14:35	FA2149-1	2		(sample used for QC only; not part of login FA2272)
14:51	FA2149-3	2		(sample used for QC only; not part of login FA2272)
15:07	ZZZZZZ	2		
15:23	ZZZZZZ	25		
15:39	GN54476-CCV3	1		
15:55	GN54476-CCB3	1		
16:11	GP21098-S1	2		
16:27	GP21098-S2	2		
16:42	GP21098-S3	2		
16:58	GP21098-S4	2		
17:14	GN54476-CCV4	1		
17:30	GN54476-CCB4	1		
17:46	GP21105-MB1	1		
18:02	GP21105-B1	1		
18:18	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54476
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:34	ZZZZZZ	5		
18:50	ZZZZZZ	5		
19:05	ZZZZZZ	5		
19:21	FA2088-5	5		(sample used for QC only; not part of login FA2272)
19:37	ZZZZZZ	5		
19:53	ZZZZZZ	5		
20:25	GN54476-CCV5	1		
20:41	GN54476-CCB5	1		
20:57	ZZZZZZ	5		
21:13	ZZZZZZ	5		
21:28	ZZZZZZ	5		
21:44	GP21105-S1	5		
22:00	GP21105-S2	5		
22:16	ZZZZZZ	10		
22:32	ZZZZZZ	2		
22:48	ZZZZZZ	10		
23:04	ZZZZZZ	10		
23:36	GN54476-CCV6	1		
23:51	GN54476-CCB6	1		
00:07	ZZZZZZ	25		
00:39	ZZZZZZ	5		
00:55	ZZZZZZ	25		
01:11	GN54476-CCV7	1		
01:27	GN54476-CCB7	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Run ID: GN54476 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54476-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV1	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN54476-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV1	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN54476-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB1	Chloride	0.80 U	2.0	0.80			
GN54476-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV2	Chloride	50.5	2.0	0.80	50	101.0	90-110
GN54476-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV2	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN54476-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB2	Chloride	0.80 U	2.0	0.80			
GN54476-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV3	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV3	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN54476-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV3	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54476-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB3	Chloride	0.80 U	2.0	0.80			
GN54476-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV4	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV4	Chloride	50.5	2.0	0.80	50	101.0	90-110
GN54476-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV4	Sulfate	50.2	2.0	0.60	50	100.4	90-110
GN54476-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB4	Chloride	0.80 U	2.0	0.80			
GN54476-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV5	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54476-CCV5	Chloride	50.5	2.0	0.80	50	101.0	90-110
GN54476-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV5	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54476-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB5	Chloride	0.80 U	2.0	0.80			
GN54476-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV6	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV6	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN54476-CCV6	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV6	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN54476-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB6	Chloride	0.80 U	2.0	0.80			
GN54476-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54476-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54476-CCV7	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54476-CCV7	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN54476-CCV7	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54476-CCV7	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN54476-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54476-CCB7	Chloride	0.80 U	2.0	0.80			
GN54476-CCB7	Nitrogen, Nitrate	0.050 U	0.10	0.050			

Instrument QC Summary
Inorganics Analyses

Login Number: FA2272
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050301.TXT Date Analyzed: 03/05/13 Methods: EPA 300/SW846 9056A
Run ID: GN54476 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54476-CCB7	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits