Southeast ACCUTEST LABORATORIES

04/15/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA3171

Sampling Date: 03/28/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

Total number of pages in report: **69**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

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

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA3171

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
FA3171-1	03/28/13	13:45	TP	03/29/13	AQ	Ground Water	A-34-022
FA3171-1F	03/28/13	13:45	TP	03/29/13	AQ	Groundwater Filtered	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA3171

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 4/12/2013 2:43:48 PM

1 Sample(s) was collected on 03/28/2013 and was received at Accutest SE on 03/29/2013 properly preserved, at 2.8 Deg. C and intact. The Sample received an Accutest job number of FA3171. 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:** MP24931

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) FA3401-1DUP, FA3401-1MS, FA3401-1MSD, FA3401-1PS, FA3401-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Antimony are outside control limits for sample MP24931-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Aluminum, Antimony are outside control limits for sample MP24931-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

FA3171-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA3171-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA3171-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA3171-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA3171-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA3171-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54934

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3171-1DUP was used as the QC sample for Specific Conductivity.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21336

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) FA3170-1MS, FA3170-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA3171-1 for Chloride: Dilution required due to matrix interference.

FA3171-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21341

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) FA2808-3MS, FA2808-3MSD were used as the QC samples for Fluoride.

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.

RPD(s) for MSD for Fluoride are outside control limits for sample GP21341-S2. Probable cause is due to sample non-homogeneity.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21316

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) FA3193-1DUP, FA3193-1MS were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21334

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3121-25DUP, FA3121-25MS, FA3121-25MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN54913

Sample(s) FA3171-1DUP was used as the QC sample for pH.

FA3171-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54966

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3264-6DUP, FA3264-6MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55057

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3134-1DUP was used as the QC samples for Solids, Total Dissolved.

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

Narrative prepared by:

_____ Date: April 12, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA3171
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/28/13

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3171-1	**A-34-022**					
Aluminum		1260	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.238	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		2.89	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		505	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.51	0.050	0.010	mg/l	SW846 6010C
Iron		1410	1.5	0.15	mg/l	SW846 6010C
Magnesium		937	25	0.37	mg/l	SW846 6010C
Potassium		375	50	1.0	mg/l	SW846 6010C
Sodium		724	100	5.0	mg/l	SW846 6010C
Chloride [b]		116 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		4050	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2200	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved		19100	1000	100	mg/l	SM19 2540C
Specific Conductivity		16500	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		24100	1000	300	mg/l	EPA 300/SW846 9056A
pH [c]		2.25			su	SM 4500H B/SW 9040C
FA3171-1F	**A-34-022**					
Phosphate, Ortho		1920	1000	190	mg/l	EPA 365.3

(a) Elevated reporting limit(s) due to matrix interference.
(b) Dilution required 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-34-022		
Lab Sample ID:	FA3171-1	**Date Sampled:**	03/28/13
Matrix:	AQ - Ground Water	**Date Received:**	03/29/13
		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	1.0	0.075	mg/l	5	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	0.238	0.050	0.013	mg/l	5	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	2.89	0.025	0.0025	mg/l	5	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	505	5.0	0.25	mg/l	5	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2.51	0.050	0.010	mg/l	5	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	1410	1.5	0.15	mg/l	5	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	937	25	0.37	mg/l	5	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	375	50	1.0	mg/l	5	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	724	100	5.0	mg/l	10	04/10/13	04/12/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10670
(2) Prep QC Batch: MP24931

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA3171-1	**Date Sampled:**	03/28/13
Matrix:	AQ - Ground Water	**Date Received:**	03/29/13
		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	04/01/13 13:05	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/01/13 13:05	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	04/01/13 13:05	HH	SM19 2320B
Chloride [a]	116 J	200	80	mg/l	100	03/29/13 20:16	AA	EPA 300/SW846 9056A
Fluoride	4050	400	120	mg/l	2000	04/02/13 14:38	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	03/29/13 20:16	AA	EPA 300/SW846 9056A
Phosphorus, Total	2200	1000	280	mg/l	10000	04/01/13 12:25	LE	EPA 365.3
Solids, Total Dissolved	19100	1000	100	mg/l	10	04/04/13 15:20	KC	SM19 2540C
Specific Conductivity	16500	1.0	1.0	umhos/cm	1	03/29/13 12:50	HH	EPA 120.1
Sulfate	24100	1000	300	mg/l	500	04/01/13 23:57	AA	EPA 300/SW846 9056A
pH [b]	2.25			su	1	03/29/13 13:00	HH	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-34-022		
Lab Sample ID:	FA3171-1F	**Date Sampled:**	03/28/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/29/13
		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	1920	1000	190	mg/l	10000	03/30/13 11:50	KC	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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www.accutest.com

Accutest JOB # FA3171 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

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

Project Information

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

Analytical Information: SEE ATTACHED

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

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	HNO3	H2SO4	NaOH/ZnAc	DI WATER	NaOH	Analytical Information	Matrix Codes / LAB USE ONLY
1	A-34-022	032813	1345	TLP	GW	4		X		X	X			X		

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

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

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	032813 1350	2 FX	3 FX	3-29-13	4 Copper (Alsta) 10:00
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: 1 Cooler Temperature (s) Celsius: 2-8

FA3171: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA3171 CLIENT: WSP PROJECT: AGQIUM

DATE/TIME RECEIVED: 3-29-13 10:00 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8013 5716 3161

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 3-29-13 REVIEWER SIGNATURE/DATE 03/29/13

NF 12/10

receipt confirmation 122910.xls

5.1 5

FA3171: Chain of Custody

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ACCUTEST LABORATORIES FA3171

FA3171: Chain of Custody
Page 3 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

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

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

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

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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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10667
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:14	MA10667-STD1	1		STDA
09:18	MA10667-STD2	1		STDB
09:22	MA10667-STD3	1		STDC
09:26	MA10667-STD4	1		STDD
09:32	MA10667-HSTD1	1		
09:39	MA10667-ICV1	1		
09:47	MA10667-ICB1	1		
09:56	MA10667-CRIA1	1		
10:04	MA10667-ICSA1	1		
10:14	MA10667-ICSAB1	1		
10:23	MA10667-CCV1	1		
10:33	MA10667-CCB1	1		
10:45	MA10667-CCV2	1		
10:59	MA10667-CCB2	1		
11:10	MP24931-MB1	1		
11:14	MP24931-B1	1		
11:18	FA3401-1	1		(sample used for QC only; not part of login FA3171)
11:23	MP24931-D1	1		
11:27	MP24931-SD1	5		
11:32	MP24931-PS1	1		
11:36	MP24931-S1	1		
11:40	MP24931-S2	1		
---------->	Last reportable sample/prep for job FA3171			
11:44	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:53	MA10667-CCV3	1		
11:57	MA10667-CCB3	1		
12:07	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:38	ZZZZZZ	1		
12:47	MA10667-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10667
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:51	MA10667-CCB4	1		
12:56	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:28	MP24934-MB1	1		
13:33	MP24934-B1	1		
13:37	FA3257-1	1		(sample used for QC only; not part of login FA3171)
13:42	MA10667-CCV5	1		
13:46	MA10667-CCB5	1		
13:50	MP24934-D1	1		
13:55	MP24934-SD1	5		
13:59	MP24934-PS1	1		
14:04	MP24934-S1	1		
14:08	MP24934-S2	1		
14:12	ZZZZZZ	1		
14:17	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:30	ZZZZZZ	1		
14:35	MA10667-CCV6	1		
14:39	MA10667-CCB6	1		
14:43	ZZZZZZ	1		
14:48	ZZZZZZ	1		
14:52	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:06	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:20	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10667
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:24	ZZZZZZ	1		
15:29	MA10667-CCV7	1		
15:33	MA10667-CCB7	1		
15:38	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:52	ZZZZZZ	1		
16:01	MP24939-MB1	1		
16:06	MP24939-B1	1		
16:10	FA3521-1	1		(sample used for QC only; not part of login FA3171)
16:14	MP24939-D1	1		
16:19	MP24939-SD1	5		
16:23	MA10667-CCV8	1		
16:27	MA10667-CCB8	1		
16:32	MP24939-PS1	1		
16:36	MP24939-S1	1		
16:41	MP24939-S2	1		
16:45	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:54	ZZZZZZ	1		
16:59	ZZZZZZ	1		
17:03	MA10667-CRIA2	1		
17:08	MA10667-ICSA2	1		
17:12	MA10667-ICSAB2	1		
17:17	MA10667-CCV9	1		
17:21	MA10667-CCB9	1		
---------->	Last reportable CCB for job FA3171			
17:43	MA10667-CCV10	1		
17:47	MA10667-CCB10	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10667
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:14	MA10667-STD1	2492	14560	6526	1071
09:18	MA10667-STD2	2449	14465	6412	1056
09:22	MA10667-STD3	2401	14521	6416	1018
09:26	MA10667-STD4	2349	14467	6492	969
09:32	MA10667-HSTD1	2337	14356	6388	968
09:39	MA10667-ICV1	2390	14366	6349	1017
09:47	MA10667-ICB1	2477 R	14480 R	6416 R	1065 R
09:56	MA10667-CRIA1	2466	14608	6425	1056
10:04	MA10667-ICSA1	2297	13588	6231	990
10:14	MA10667-ICSAB1	2293	13783	6289	975
10:23	MA10667-CCV1	2377	14193	6229	1002
10:33	MA10667-CCB1	2450	14341	6356	1048
10:45	MA10667-CCV2	2384	13806	6139	1006
10:59	MA10667-CCB2	2439	14063	6127	1055
11:10	MP24931-MB1	2428	14096	6303	1053
11:14	MP24931-B1	2424	14377	6282	1054
11:18	FA3401-1	2436	14608	6364	1076
11:23	MP24931-D1	2397	14394	6202	1058
11:27	MP24931-SD1	2424	14285	6184	1070
11:32	MP24931-PS1	2410	14450	6329	1062
11:36	MP24931-S1	2387	14373	6235	1041
11:40	MP24931-S2	2391	14336	6255	1044
11:44	ZZZZZZ	2418	14476	6269	1066
11:49	ZZZZZZ	2457	14675	6373	1087
11:53	MA10667-CCV3	2400	14359	6226	1033
11:57	MA10667-CCB3	2469	14534	6277	1079
12:07	ZZZZZZ	2339	14181	6095	1035
12:11	ZZZZZZ	2465	14760	6371	1090
12:16	ZZZZZZ	2468	14761	6360	1088
12:25	ZZZZZZ	2477	14798	6408	1095
12:34	ZZZZZZ	2447	14793	6389	1089
12:38	ZZZZZZ	2456	14907	6395	1091
12:47	MA10667-CCV4	2365	14403	6193	1024

INTERNAL STANDARD SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10667
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:51	MA10667-CCB4	2417	14353	6139	1062
12:56	ZZZZZZ	2405	14609	6298	1069
13:06	ZZZZZZ	2368	14327	6133	1053
13:10	ZZZZZZ	2391	14611	6207	1067
13:15	ZZZZZZ	2373	14521	6222	1057
13:19	ZZZZZZ	2398	14837	6265	1069
13:24	ZZZZZZ	2385	14598	6234	1065
13:28	MP24934-MB1	2435	14698	6316	1069
13:33	MP24934-B1	2344	14178	6027	1030
13:37	FA3257-1	2413	14573	6216	1071
13:42	MA10667-CCV5	2361	14336	6084	1021
13:46	MA10667-CCB5	2420	14366	6131	1066
13:50	MP24934-D1	2310	14033	5997	1028
13:55	MP24934-SD1	2365	14108	6041	1051
13:59	MP24934-PS1	2384	14275	6195	1056
14:04	MP24934-S1	2295	13875	5962	1006
14:08	MP24934-S2	2367	14384	6181	1040
14:12	ZZZZZZ	2374	14297	6147	1055
14:17	ZZZZZZ	2377	14355	6163	1053
14:21	ZZZZZZ	2357	14273	6120	1039
14:26	ZZZZZZ	2399	14684	6297	1047
14:30	ZZZZZZ	2415	14536	6263	1055
14:35	MA10667-CCV6	2332	13971	6057	1002
14:39	MA10667-CCB6	2423	14210	6128	1058
14:43	ZZZZZZ	2432	14508	6253	1055
14:48	ZZZZZZ	2345	14037	6067	1020
14:52	ZZZZZZ	2377	14163	6072	1030
14:57	ZZZZZZ	2368	14136	6104	1029
15:01	ZZZZZZ	2418	14387	6317	1048
15:06	ZZZZZZ	2444	14351	6317	1057
15:10	ZZZZZZ	2402	14071	6252	1047
15:15	ZZZZZZ	2306	13812	6066	998
15:20	ZZZZZZ	2324	13905	6163	1008

INTERNAL STANDARD SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10667
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:24	ZZZZZZ	2326	13735	6127	1009
15:29	MA10667-CCV7	2321	13748	6068	983
15:33	MA10667-CCB7	2390	13998	6142	1031
15:38	ZZZZZZ	2351	14072	6257	1018
15:42	ZZZZZZ	2309	13956	6180	1003
15:47	ZZZZZZ	2377	14071	6162	1041
15:52	ZZZZZZ	2313	14037	6224	1008
16:01	MP24939-MB1	2288	13265	5874	990
16:06	MP24939-B1	2239	13213	5823	974
16:10	FA3521-1	2979	18233 !	8214 !	921
16:14	MP24939-D1	2965	17829	8504 !	951
16:19	MP24939-SD1	2499	14721	6505	1006
16:23	MA10667-CCV8	2279	13510	5979	968
16:27	MA10667-CCB8	2341	13670	6066	1009
16:32	MP24939-PS1	3049	18346 !	8261 !	948
16:36	MP24939-S1	2916	17487	7897	934
16:41	MP24939-S2	2916	17642	7853	929
16:45	ZZZZZZ	2801	17098	7562	931
16:50	ZZZZZZ	3240 !	19335 !	8624 !	932
16:54	ZZZZZZ	2520	15435	6741	905
16:59	ZZZZZZ	2760	16552	7425	933
17:03	MA10667-CRIA2	2263	13267	5846	981
17:08	MA10667-ICSA2	2128	12730	5716	924
17:12	MA10667-ICSAB2	2113	12648	5686	915
17:17	MA10667-CCV9	2185	13147	5783	932
17:21	MA10667-CCB9	2289	13394	5884	991
17:43	MA10667-CCV10	2253	13485	5953	960
17:47	MA10667-CCB10	2273	13278	5807	985

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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10667 Units: ug/l

Time:			09:47		10:33		10:59		11:57	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.9	<200	13.4	<200	18.4	<200	7.2	<200
Antimony	6.0	1.3	-0.90	<6.0	0.30	<6.0	-0.60	<6.0	1.5	<6.0
Arsenic	10	1.6	0.80	<10	0.80	<10	1.0	<10	0.80	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.30	<5.0	0.30	<5.0	0.20	<5.0
Calcium	1000	50	-1.7	<1000	55.9	<1000	47.6	<1000	45.0	<1000
Chromium	10	1.8	0.30	<10	0.50	<10	0.50	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	1.9	<300	17.8	<300	11.0	<300	23.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	8.1	<5000	19.5	<5000	15.6	<5000	11.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-22	<10000	-28	<10000	-26	<10000	-29	<10000
Selenium	10	2	-0.90	<10	0.0	<10	0.80	<10	-1.5	<10
Silver	10	.5	anr							
Sodium	10000	500	4.5	<10000	13.2	<10000	-17	<10000	-20	<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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10667 Units: ug/l

Time:			12:51		13:46		14:39		15:33	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	16.5	<200	11.5	<200	-0.80	<200	4.5	<200
Antimony	6.0	1.3	0.20	<6.0	0.20	<6.0	0.20	<6.0	0.60	<6.0
Arsenic	10	1.6	0.40	<10	0.90	<10	0.70	<10	-0.30	<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	0.20	<5.0
Calcium	1000	50	48.0	<1000	45.3	<1000	45.1	<1000	32.2	<1000
Chromium	10	1.8	0.10	<10	-0.20	<10	0.10	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	24.1	<300	25.8	<300	24.2	<300	20.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-4.4	<5000	22.7	<5000	-2.4	<5000	14.6	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-9.2	<10000	-35	<10000	-34	<10000	11.9	<10000
Selenium	10	2	2.2	<10	1.3	<10	0.0	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	44.6	<10000	11.3	<10000	7.7	<10000	0.80	<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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10667 Units: ug/l

Time:			16:27		17:21	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	11.8	<200	9.8	<200
Antimony	6.0	1.3	0.90	<6.0	0.0	<6.0
Arsenic	10	1.6	0.60	<10	-0.20	<10
Barium	200	1	anr			
Beryllium	4.0	.5	anr			
Cadmium	5.0	.5	0.30	<5.0	0.30	<5.0
Calcium	1000	50	21.2	<1000	24.0	<1000
Chromium	10	1.8	0.80	<10	1.2	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	21.6	<300	27.4	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	15.3	<5000	32.5	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	-7.3	<10000	29.6	<10000
Selenium	10	2	0.80	<10	0.50	<10
Silver	10	.5	anr			
Sodium	10000	500	22.0	<10000	36.7	<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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10667 Units: ug/l

Time:		09:39			10:23			10:45	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	41000	102.5	40000	41000	102.5
Antimony	2000	1990	99.5	2000	2030	101.5	2000	2010	100.5
Arsenic	2000	1990	99.5	2000	2030	101.5	2000	2000	100.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2000	100.0	2000	2050	102.5	2000	2010	100.5
Calcium	40000	40600	101.5	40000	40900	102.3	40000	40200	100.5
Chromium	2000	2040	102.0	2000	2080	104.0	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	40800	102.0	40000	40200	100.5
Lead	anr								
Magnesium	40000	38800	97.0	40000	41200	103.0	40000	40800	102.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40200	100.5	40000	40800	102.0	40000	40300	100.8
Selenium	2000	2010	100.5	2000	2040	102.0	2000	2010	100.5
Silver	anr								
Sodium	40000	40400	101.0	40000	40800	102.0	40000	40200	100.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10667 Units: ug/l

Time:		11:53			12:47			13:42	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	39200	98.0	40000	39300	98.3
Antimony	2000	1990	99.5	2000	2020	101.0	2000	2020	101.0
Arsenic	2000	1990	99.5	2000	2020	101.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Calcium	40000	39400	98.5	40000	39400	98.5	40000	39300	98.3
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2060	103.0
Cobalt	anr								
Copper	anr								
Iron	40000	40000	100.0	40000	40200	100.5	40000	40100	100.3
Lead	anr								
Magnesium	40000	39900	99.8	40000	39600	99.0	40000	39600	99.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39400	98.5	40000	39600	99.0	40000	39800	99.5
Selenium	2000	2020	101.0	2000	2050	102.5	2000	2060	103.0
Silver	anr								
Sodium	40000	39500	98.8	40000	39700	99.3	40000	39800	99.5
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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10667 Units: ug/l

Time:		14:35			15:29			16:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	41200	103.0	40000	41900	104.8
Antimony	2000	2060	103.0	2000	2060	103.0	2000	2110	105.5
Arsenic	2000	2070	103.5	2000	2070	103.5	2000	2120	106.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2080	104.0	2000	2070	103.5	2000	2120	106.0
Calcium	40000	40400	101.0	40000	41000	102.5	40000	41500	103.8
Chromium	2000	2110	105.5	2000	2120	106.0	2000	2160	108.0
Cobalt	anr								
Copper	anr								
Iron	40000	40800	102.0	40000	41400	103.5	40000	42200	105.5
Lead	anr								
Magnesium	40000	40700	101.8	40000	41600	104.0	40000	41900	104.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40900	102.3	40000	41100	102.8	40000	41900	104.8
Selenium	2000	2090	104.5	2000	2070	103.5	2000	2140	107.0
Silver	anr								
Sodium	40000	40700	101.8	40000	40900	102.3	40000	41800	104.5
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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10667 Units: ug/l

Time:		17:17	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	43600	109.0
Antimony	2000	2220	111.0*(a
Arsenic	2000	2230	111.5*(b
Barium	anr		
Beryllium	anr		
Cadmium	2000	2220	111.0*(c
Calcium	40000	43200	108.0
Chromium	2000	2250	112.5*(d
Cobalt	anr		
Copper	anr		
Iron	40000	43800	109.5
Lead	anr		
Magnesium	40000	43400	108.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	43900	109.8
Selenium	2000	2240	112.0*(e
Silver	anr		
Sodium	40000	43700	109.3
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
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 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 Cr_ reported in the area bracketed by this QC.
(e) No samples for Se_ reported in the area bracketed by this QC.

HIGH STANDARD CHECK SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10667 Units: ug/l

Time:		09:32	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79600	99.5
Antimony	4000	3980	99.5
Arsenic	4000	3950	98.8
Barium	anr		
Beryllium	anr		
Cadmium	4000	3940	98.5
Calcium	80000	79200	99.0
Chromium	4000	3920	98.0
Cobalt	anr		
Copper	anr		
Iron	80000	78600	98.3
Lead	anr		
Magnesium	80000	79400	99.3
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	79400	99.3
Selenium	4000	3960	99.0
Silver	anr		
Sodium	80000	79500	99.4
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10667 Units: ug/l

Time:			09:56		17:03	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	200	100.0	223	111.5
Antimony	10	5.0	4.9	98.0	5.2	104.0
Arsenic	20	10	11.2	112.0	11.0	110.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.1	102.0	5.4	108.0
Calcium	2000	1000	1040	104.0	1110	111.0
Chromium	20	10	10.0	100.0	10.8	108.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	313	104.3	384	128.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5160	103.2	5480	109.6
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10300	103.0	11000	110.0
Selenium	20	10	9.9	99.0	9.3	93.0
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	11000	110.0
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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA041013M1.ICP Date Analyzed: 04/10/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10667 Units: ug/l

Time:			10:04		10:14		17:08		17:12	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	497000	99.4	491000	98.2	536000	107.2	530000	106.0
Antimony		1000	-0.30		995	99.5	1.5		1070	107.0
Arsenic		1000	1.0		982	98.2	0.80		1060	106.0
Barium		500	0.10		506	101.2	0.20		564	112.8
Beryllium		500	-0.10		480	96.0	-0.10		509	101.8
Cadmium		1000	0.0		913	91.3	-0.10		966	96.6
Calcium	500000	500000	473000	94.6	471000	94.2	499000	99.8	491000	98.2
Chromium		500	-0.40		466	93.2	-0.40		500	100.0
Cobalt		500	-0.80		462	92.4	-0.90		492	98.4
Copper		500	0.0		530	106.0	0.30		570	114.0
Iron	200000	200000	186000	93.0	186000	93.0	198000	99.0	199000	99.5
Lead		1000	0.10		914	91.4	-0.20		949	94.9
Magnesium	500000	500000	479000	95.8	481000	96.2	506000	101.2	508000	101.6
Manganese		500	0.0		483	96.6	-0.10		528	105.6
Molybdenum		1000	0.70		933	93.3	0.80		1010	101.0
Nickel		1000	0.0		922	92.2	0.0		975	97.5
Potassium			10.1		18.8		96.8		77.5	
Selenium		1000	0.0		936	93.6	4.9		1020	102.0
Silver		1000	0.10		967	96.7	-0.90		1030	103.0
Sodium			85.1		121		195		211	
Strontium		1000	12.1		1010	101.0	13.0		1090	109.0
Thallium		1000	0.0		939	93.9	0.80		977	97.7
Tin		1000	-0.90		947	94.7	-1.2		1000	100.0
Titanium		1000	-7.0		1010	101.0	-7.4		1090	109.0
Vanadium		500	-0.30		480	96.0	0.20		506	101.2
Zinc		1000	0.0		903	90.3	-0.40		961	96.1

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:33	MA10670-STD1	1		STDA
08:37	MA10670-STD2	1		STDB
08:41	MA10670-STD3	1		STDC
08:44	MA10670-STD4	1		STDD
08:50	MA10670-HSTD1	1		
08:59	MA10670-ICV1	1		
09:04	MA10670-ICB1	1		
09:14	MA10670-CRIA1	1		
09:23	MA10670-ICSA1	1		
09:30	MA10670-ICSAB1	1		
09:41	MA10670-CCV1	1		
09:48	MA10670-CCB1	1		
09:51	ZZZZZZ	4		
09:56	ZZZZZZ	10		
10:00	ZZZZZZ	10		
10:04	ZZZZZZ	4		
10:08	FA3171-1	10		
10:12	FA3171-1	5		
---------->	Last reportable sample/prep for job FA3171			
10:17	ZZZZZZ	4		
10:21	ZZZZZZ	4		
10:26	ZZZZZZ	4		
10:30	ZZZZZZ	4		
10:34	MA10670-CCV2	1		
10:38	MA10670-CCB2	1		
10:42	ZZZZZZ	10		
10:47	ZZZZZZ	10		
10:51	ZZZZZZ	10		
10:55	ZZZZZZ	1		
10:59	ZZZZZZ	10		
11:04	ZZZZZZ	10		
11:08	ZZZZZZ	4		
11:12	ZZZZZZ	20		
11:16	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:21	ZZZZZZ	5		
11:25	MA10670-CCV3	1		
11:29	MA10670-CCB3	1		
11:33	ZZZZZZ	2		
11:38	MP24948-MB1	1		
11:42	MP24948-B1	1		
11:46	FA3374-1	1		(sample used for QC only; not part of login FA3171)
11:50	MP24948-D1	1		
11:54	MP24948-SD1	5		
11:58	MP24948-PS1	1		
12:02	MP24948-S1	1		
12:06	MP24948-S2	1		
12:10	ZZZZZZ	1		
12:14	MA10670-CCV4	1		
12:18	MA10670-CCB4	1		
12:23	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:07	MA10670-CCV5	1		
13:11	MA10670-CCB5	1		
13:15	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:36	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:41	MP24953-MB1	1		
13:45	MP24953-B1	1		
13:49	FA3378-1	1		(sample used for QC only; not part of login FA3171)
13:53	MP24953-D1	1		
13:57	MA10670-CCV6	1		
14:01	MA10670-CCB6	1		
15:06	MA10670-CCV7	1		
15:13	MA10670-CCB7	1		
15:17	MP24953-SD1	5		
15:22	MP24953-PS1	1		
15:26	MP24953-S1	1		
15:30	MP24953-S2	1		
15:34	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:00	MA10670-CCV8	1		
16:04	MA10670-CCB8	1		
16:08	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:51	MA10670-CCV9	1		
16:55	MA10670-CCB9	1		
16:59	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	17:04	ZZZZZZ	1		
	17:08	ZZZZZZ	1		
	17:12	MA10670-CRIA2	1		
	17:16	MA10670-ICSA2	1		
	17:21	MA10670-ICSAB2	1		
	17:25	MA10670-CCV10	1		
	17:29	MA10670-CCB10	1		
---------->	Last reportable CCB for job FA3171				
	Refer to raw data for calibration curve and standards.				

INTERNAL STANDARD SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:33	MA10670-STD1	4693	31634	7136	2218
08:37	MA10670-STD2	4512	30284	7080	2046
08:41	MA10670-STD3	4383	29626	7098	1867
08:44	MA10670-STD4	4128	28240	6935	1690
08:50	MA10670-HSTD1	4104	28374	6905	1689
08:59	MA10670-ICV1	4256	28900	6965	1848
09:04	MA10670-ICB1	4542 R	30815 R	7009 R	2184 R
09:14	MA10670-CRIA1	4544	30637	6898	2136
09:23	MA10670-ICSA1	3866	25568	6673	1621
09:30	MA10670-ICSAB1	3873	25819	6703	1601
09:41	MA10670-CCV1	4276	28998	6856	1842
09:48	MA10670-CCB1	4587	31181	7046	2204
09:51	ZZZZZZ	4433	30004	7047	2046
09:56	ZZZZZZ	4340	29355	6882	2014
10:00	ZZZZZZ	4424	30006	6951	2078
10:04	ZZZZZZ	4383	29941	7037	2061
10:08	FA3171-1	4686	31723	7692	1867
10:12	FA3171-1	4973	33628	8323	1736
10:17	ZZZZZZ	4476	30569	7067	2082
10:21	ZZZZZZ	4461	30178	6977	2092
10:26	ZZZZZZ	4412	30011	6902	2058
10:30	ZZZZZZ	4460	30327	6936	2105
10:34	MA10670-CCV2	4308	29007	6844	1853
10:38	MA10670-CCB2	4588	31124	7006	2189
10:42	ZZZZZZ	4556	30721	6986	2120
10:47	ZZZZZZ	4517	30642	7000	2106
10:51	ZZZZZZ	4510	30687	7016	2103
10:55	ZZZZZZ	4155	28521	6914	1814
10:59	ZZZZZZ	4445	30245	7005	2039
11:04	ZZZZZZ	4496	30258	7053	2048
11:08	ZZZZZZ	5085	34259	8780	1496
11:12	ZZZZZZ	4331	29161	6851	1930
11:16	ZZZZZZ	4561	30831	7278	1852

INTERNAL STANDARD SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:21	ZZZZZZ	5499	36901	8434	2123
11:25	MA10670-CCV3	4414	29751	6947	1866
11:29	MA10670-CCB3	4652	31453	7030	2206
11:33	ZZZZZZ	5231	35271	8823 !	1679
11:38	MP24948-MB1	4328	30857	6589	2082
11:42	MP24948-B1	3905	27976	6567	1726
11:46	FA3374-1	5541	37262	8642	1940
11:50	MP24948-D1	5152	34704	7916	1923
11:54	MP24948-SD1	4897	32959	7442	2164
11:58	MP24948-PS1	5470	36870	8459	1889
12:02	MP24948-S1	6128 !	41051 !	9629 !	1865
12:06	MP24948-S2	5758 !	38641 !	9119 !	1898
12:10	ZZZZZZ	6023 !	40543 !	9356 !	1903
12:14	MA10670-CCV4	4338	29259	6862	1867
12:18	MA10670-CCB4	4597	31152	6930	2196
12:23	ZZZZZZ	6446 !	43744 !	10478 !	1770
12:27	ZZZZZZ	6273 !	42316 !	10306 !	1666
12:32	ZZZZZZ	5408	36352	8292	1958
12:36	ZZZZZZ	6517 !	44065 !	10395 !	1787
12:40	ZZZZZZ	6989 !	47099 !	11604 !	1622
12:45	ZZZZZZ	6670 !	44927 !	10766 !	1758
12:50	ZZZZZZ	6742 !	45489 !	10761 !	1812
12:54	ZZZZZZ	6299 !	42417 !	10001 !	1777
12:58	ZZZZZZ	6255 !	42299 !	10005 !	1734
13:03	ZZZZZZ	6264 !	42444 !	10039 !	1729
13:07	MA10670-CCV5	4335	29479	6804	1867
13:11	MA10670-CCB5	4579	31183	6934	2195
13:15	ZZZZZZ	5856 !	39428 !	9465 !	1699
13:19	ZZZZZZ	6064 !	41013 !	9678 !	1777
13:24	ZZZZZZ	4405	29716	6651	2049
13:28	ZZZZZZ	4434	30424	6863	2012
13:32	ZZZZZZ	4600	31110	7033	2034
13:36	ZZZZZZ	4376	29484	6823	1915

INTERNAL STANDARD SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:41	MP24953-MB1	4685	32214	7109	2245
13:45	MP24953-B1	4433	30012	6926	1989
13:49	FA3378-1	4379	29912	6896	1983
13:53	MP24953-D1	4378	29800	6902	1981
13:57	MA10670-CCV6	4330	29317	6850	1861
14:01	MA10670-CCB6	4583	31203	6858	2204
15:06	MA10670-CCV7	4276	29021	6757	1861
15:13	MA10670-CCB7	4536	30880	6775	2179
15:17	MP24953-SD1	4477	30735	6801	2098
15:22	MP24953-PS1	4303	29380	6822	1925
15:26	MP24953-S1	4357	29692	6979	1904
15:30	MP24953-S2	4330	29353	6913	1890
15:34	ZZZZZZ	4230	29114	6897	1876
15:39	ZZZZZZ	4347	29808	6845	1990
15:43	ZZZZZZ	4954	33738	7793	2005
15:47	ZZZZZZ	4493	30659	7021	2026
15:51	ZZZZZZ	4521	31073	7091	2111
15:56	ZZZZZZ	4369	30038	6923	2003
16:00	MA10670-CCV8	4207	28700	6636	1824
16:04	MA10670-CCB8	4480	30764	6770	2156
16:08	ZZZZZZ	4188	28624	6706	1889
16:12	ZZZZZZ	4337	29756	6779	2016
16:17	ZZZZZZ	4308	29312	6928	1936
16:21	ZZZZZZ	4436	30250	6989	2060
16:25	ZZZZZZ	4097	28206	6781	1805
16:30	ZZZZZZ	4382	29812	6905	1999
16:34	ZZZZZZ	4504	30702	6985	2101
16:38	ZZZZZZ	4299	29311	6796	1926
16:43	ZZZZZZ	4352	29813	6719	2058
16:47	ZZZZZZ	4511	30883	6961	2103
16:51	MA10670-CCV9	4313	29177	6762	1859
16:55	MA10670-CCB9	4567	31069	6891	2184
16:59	ZZZZZZ	4663	32016	7124	2224

INTERNAL STANDARD SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:04	ZZZZZZ	4576	31200	7303	2101
17:08	ZZZZZZ	4596	31310	7046	2164
17:12	MA10670-CRIA2	4446	30209	6700	2083
17:16	MA10670-ICSA2	3924	25903	6537	1638
17:21	MA10670-ICSAB2	3921	26097	6519	1609
17:25	MA10670-CCV10	4282	28666	6629	1838
17:29	MA10670-CCB10	4563	30633	6736	2178

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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10670 Units: ug/l

Time:			09:04		09:48		10:38		11:29	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.1	<200	11.0	<200	15.8	<200	10.1	<200
Antimony	6.0	1.3	0.40	<20	-1.6	<20	-1.9	<6.0	-1.2	<6.0
Arsenic	10	1.6	0.20	<10	0.20	<10	0.40	<10	0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	0.0	<4.0	0.0	<4.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	0.50	<5000	21.4	<5000	21.2	<1000	28.9	<1000
Chromium	10	1.8	0.20	<10	0.30	<10	0.20	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-0.40	<300	3.5	<300	7.2	<300	5.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	12.4	<5000	20.5	<5000	6.2	<5000	-0.70	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	17.0	<10000	-20	<10000	1.6	<10000	4.2	<10000
Selenium	10	2	-1.8	<20	-0.60	<20	-0.40	<10	-0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	8.8	<10000	1.6	<10000	17.8	<10000	19.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10670 Units: ug/l

Time:			12:18		13:11		14:01		15:13	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	17.5	<200	9.8	<200	13.4	<200	0.70	<200
Antimony	6.0	1.3	-1.8	<6.0	-1.8	<6.0	-1.7	<6.0	0.40	<6.0
Arsenic	10	1.6	-0.30	<10	0.10	<10	0.50	<10	-0.30	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	22.5	<1000	14.6	<1000	18.6	<1000	14.7	<1000
Chromium	10	1.8	0.20	<10	0.10	<10	0.20	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	11.0	<300	9.8	<300	5.8	<300	3.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-2.4	<5000	9.1	<5000	15.8	<5000	-0.90	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-3.9	<10000	40.2	<10000	21.7	<10000	32.7	<10000
Selenium	10	2	-1.4	<10	-0.90	<10	-1.8	<10	-0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	6.3	<10000	-0.20	<10000	0.50	<10000	15.4	<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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10670 Units: ug/l

Time:			16:04		16:55		17:29	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	3.5	<200	5.9	<200	28.2	<200
Antimony	6.0	1.3	0.50	<6.0	-0.40	<6.0	0.0	<6.0
Arsenic	10	1.6	0.20	<10	-0.10	<10	0.20	<10
Barium	200	1	anr					
Beryllium	4.0	.5	anr					
Cadmium	4.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	11.0	<1000	12.0	<1000	31.7	<1000
Chromium	10	1.8	0.40	<10	0.30	<10	0.20	<10
Cobalt	50	.5						
Copper	25	1	anr					
Iron	300	29	8.2	<300	8.3	<300	18.2	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	0.0	<5000	5.2	<5000	16.5	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	28.8	<10000	-1.5	<10000	1.9	<10000
Selenium	10	2	-0.10	<10	0.40	<10	-0.40	<10
Silver	10	.5	anr					
Sodium	10000	500	33.2	<10000	27.9	<10000	25.6	<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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10670 Units: ug/l

Time:		08:59			09:41			10:34	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40300	100.8	40000	40400	101.0
Antimony	2000	2030	101.5	2000	2050	102.5	2000	2030	101.5
Arsenic	2000	2020	101.0	2000	2040	102.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2070	103.5	2000	2060	103.0
Calcium	40000	40800	102.0	40000	40700	101.8	40000	40800	102.0
Chromium	2000	2010	100.5	2000	2060	103.0	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	41500	103.8	40000	41000	102.5	40000	40900	102.3
Lead	anr								
Magnesium	40000	39000	97.5	40000	40700	101.8	40000	40700	101.8
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	40500	101.3	40000	40300	100.8	40000	40300	100.8
Selenium	2000	2050	102.5	2000	2050	102.5	2000	2030	101.5
Silver	anr								
Sodium	40000	40300	100.8	40000	40200	100.5	40000	40200	100.5
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10670 Units: ug/l

Time:		11:25			12:14			13:07	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	40400	101.0	40000	39900	99.8
Antimony	2000	1980	99.0	2000	2050	102.5	2000	2050	102.5
Arsenic	2000	1980	99.0	2000	2030	101.5	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40100	100.3	40000	40800	102.0	40000	40500	101.3
Chromium	2000	2030	101.5	2000	2060	103.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	39900	99.8	40000	41100	102.8	40000	41100	102.8
Lead	anr								
Magnesium	40000	39800	99.5	40000	40700	101.8	40000	40600	101.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39400	98.5	40000	40500	101.3	40000	40100	100.3
Selenium	2000	1990	99.5	2000	2040	102.0	2000	2050	102.5
Silver	anr								
Sodium	40000	39600	99.0	40000	40200	100.5	40000	39800	99.5
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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10670 Units: ug/l

Time:		13:57			15:06			16:00	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39900	99.8	40000	40500	101.3
Antimony	2000	2040	102.0	2000	2030	101.5	2000	2070	103.5
Arsenic	2000	2030	101.5	2000	2020	101.0	2000	2060	103.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	2030	101.5	2000	2090	104.5
Calcium	40000	40000	100.0	40000	40400	101.0	40000	41000	102.5
Chromium	2000	2030	101.5	2000	2050	102.5	2000	2070	103.5
Cobalt									
Copper	anr								
Iron	40000	40600	101.5	40000	40300	100.8	40000	41100	102.8
Lead	anr								
Magnesium	40000	39900	99.8	40000	40200	100.5	40000	40900	102.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39900	99.8	40000	39700	99.3	40000	40200	100.5
Selenium	2000	2040	102.0	2000	2040	102.0	2000	2080	104.0
Silver	anr								
Sodium	40000	39600	99.0	40000	39700	99.3	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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10670 Units: ug/l

Time:		16:51			17:25	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	40500	101.3
Antimony	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	2000	100.0	2000	2020	101.0
Barium	anr					
Beryllium	anr					
Cadmium	2000	2040	102.0	2000	2060	103.0
Calcium	40000	40200	100.5	40000	40900	102.3
Chromium	2000	2040	102.0	2000	2090	104.5
Cobalt						
Copper	anr					
Iron	40000	40000	100.0	40000	40500	101.3
Lead	anr					
Magnesium	40000	39900	99.8	40000	40500	101.3
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	39300	98.3	40000	39800	99.5
Selenium	2000	2010	100.5	2000	2030	101.5
Silver	anr					
Sodium	40000	39800	99.5	40000	40500	101.3
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10670 Units: ug/l

Time:		08:50	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79900	99.9
Antimony	4000	4070	101.8
Arsenic	4000	4050	101.3
Barium	anr		
Beryllium	anr		
Cadmium	4000	3980	99.5
Calcium	80000	79300	99.1
Chromium	4000	3920	98.0
Cobalt	anr		
Copper	anr		
Iron	80000	80200	100.3
Lead	anr		
Magnesium	80000	80000	100.0
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	81300	101.6
Selenium	4000	4050	101.3
Silver	anr		
Sodium	80000	80300	100.4
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10670 Units: ug/l

Time:			09:14		17:12	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	206	103.0	204	102.0
Antimony	10	5.0	4.0	80.0	5.1	102.0
Arsenic	20	10	10.0	100.0	9.5	95.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.0	100.0	5.3	106.0
Calcium	2000	1000	1080	108.0	1050	105.0
Chromium	20	10	10.2	102.0	10.3	103.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	330	110.0	326	108.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5320	106.4	5060	101.2
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	10100	101.0	9510	95.1
Selenium	20	10	8.6	86.0	9.9	99.0
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	9780	97.8
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10670 Units: ug/l

Time:			09:23		09:30		17:16		17:21	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	503000	100.6	497000	99.4	490000	98.0	483000	96.6
Antimony		1000	0.0		1020	102.0	-0.70		992	99.2
Arsenic		1000	1.0		1030	103.0	1.0		997	99.7
Barium		500	-0.20		513	102.6	-0.20		497	99.4
Beryllium		500	-0.20		493	98.6	-0.10		474	94.8
Cadmium		1000	0.0		914	91.4	0.30		898	89.8
Calcium	500000	500000	475000	95.0	468000	93.6	462000	92.4	461000	92.2
Chromium		500	-0.10		471	94.2	-0.20		466	93.2
Cobalt		500	0.40		453	90.6	0.40		445	89.0
Copper		500	0.0		522	104.4	-0.40		511	102.2
Iron	200000	200000	191000	95.5	188000	94.0	181000	90.5	181000	90.5
Lead		1000	-0.20		930	93.0	0.0		904	90.4
Magnesium	500000	500000	489000	97.8	487000	97.4	472000	94.4	475000	95.0
Manganese		500	-0.70		488	97.6	-0.60		475	95.0
Molybdenum		1000	-0.40		943	94.3	0.0		903	90.3
Nickel		1000	0.60		908	90.8	0.50		878	87.8
Potassium			9.0		10.4		4.4		13.0	
Selenium		1000	0.0		984	98.4	5.6		967	96.7
Silver		1000	0.20		975	97.5	0.20		1010	101.0
Sodium			71.3		99.1		95.6		132	
Strontium		1000	12.4		1040	104.0	11.8		995	99.5
Thallium		1000	-0.90		939	93.9	-31*		912	91.2
Tin		1000	-0.10		926	92.6	-0.50		904	90.4
Titanium		1000	-2.0		1020	102.0	-1.6		990	99.0
Vanadium		500	0.0		480	96.0	-0.10		472	94.4
Zinc		1000	2.2		930	93.0	1.7		890	89.0

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24931
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/10/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	0.0	<200
Antimony	6.0	1.3	1.3	0.20	<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	0.10	<5.0
Calcium	1000	50	50	15.2	<1000
Chromium	10	1.8	2	-0.30	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-3.0	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	3.0	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-50	<10000
Selenium	10	2	2	2.1	<10
Silver	10	.5	.5		
Sodium	10000	500	500	-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 MP24931: FA3171-1

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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24931
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			04/10/13					04/10/13	
Metal	FA3401-1 Original	DUP	RPD	QC Limits	FA3401-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	19.7	16.9	15.3	0-20	19.7	27400	27000	101.4	80-120
Antimony	1.9	0.0	200.0(a)	0-20	1.9	505	500	100.6	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2010	2000	100.5	80-120
Barium									
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	49.8	50	99.6	80-120
Calcium	54200	53400	1.5	0-20	54200	77600	25000	93.6	80-120
Chromium	0.0	0.0	NC	0-20	0.0	209	200	104.5	80-120
Cobalt									
Copper									
Iron	1480	1450	2.0	0-20	1480	28500	26000	103.9	80-120
Lead	anr								
Magnesium	5640	5540	1.8	0-20	5640	30500	25000	99.4	80-120
Manganese									
Molybdenum									
Nickel									
Potassium	8080	7940	1.7	0-20	8080	33200	25000	100.5	80-120
Selenium	0.0	0.0	NC	0-20	0.0	1970	2000	98.5	80-120
Silver									
Sodium	7480	7380	1.3	0-20	7480	32600	25000	100.5	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP24931: FA3171-1

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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24931
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/10/13

Metal	FA3401-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	19.7	27200	27000	100.7	0.7	20
Antimony	1.9	497	500	99.0	1.6	20
Arsenic	0.0	1990	2000	99.5	1.0	20
Barium						
Beryllium						
Cadmium	0.0	49.1	50	98.2	1.4	20
Calcium	54200	76600	25000	89.6	1.3	20
Chromium	0.0	209	200	104.5	0.0	20
Cobalt						
Copper						
Iron	1480	28400	26000	103.5	0.4	20
Lead	anr					
Magnesium	5640	30200	25000	98.2	1.0	20
Manganese						
Molybdenum						
Nickel						
Potassium	8080	33100	25000	100.1	0.3	20
Selenium	0.0	1940	2000	97.0	1.5	20
Silver						
Sodium	7480	32400	25000	99.7	0.6	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP24931: FA3171-1

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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24931
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/10/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	26600	27000	98.5	80-120
Antimony	486	500	97.2	80-120
Arsenic	1930	2000	96.5	80-120
Barium				
Beryllium				
Cadmium	48.3	50	96.6	80-120
Calcium	24800	25000	99.2	80-120
Chromium	204	200	102.0	80-120
Cobalt				
Copper				
Iron	26400	26000	101.5	80-120
Lead	anr			
Magnesium	24500	25000	98.0	80-120
Manganese				
Molybdenum				
Nickel				
Potassium	24600	25000	98.4	80-120
Selenium	1870	2000	93.5	80-120
Silver				
Sodium	24400	25000	97.6	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24931: FA3171-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24931
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/10/13

Metal	FA3401-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	19.7	0.00	100.0(a)	0-10
Antimony	1.90	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	54200	55900	3.2	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron	1480	1510	2.1	0-10
Lead	anr			
Magnesium	5640	5910	4.8	0-10
Manganese				
Molybdenum				
Nickel				
Potassium	8080	8050	0.5	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	7480	7610	1.8	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24931: FA3171-1

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: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24931
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/10/13

Metal	Sample ml	Final ml	FA3401-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	19.7	19.306	2480	0.2	125	2500	98.4	80-120
Antimony	9.8	10	1.9	1.862	101.6	0.2	5	100	99.7	80-120
Arsenic	9.8	10	0	0	102.2	0.2	5	100	102.2	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	51.4	0.2	2.5	50	102.8	80-120
Calcium	9.8	10	54150	53067	58020	0.2	250	5000	99.1	80-120
Chromium	9.8	10	0	0	52.6	0.2	2.5	50	105.2	80-120
Cobalt										
Copper										
Iron	9.8	10	1481	1451.38	4556	0.2	150	3000	103.5	80-120
Lead										
Magnesium	9.8	10	5639	5526.22	10330	0.2	250	5000	96.1	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	8084	7922.32	17900	0.2	500	10000	99.8	80-120
Selenium	9.8	10	0	0	96.4	0.2	5	100	96.4	80-120
Silver										
Sodium	9.8	10	7478	7328.44	17320	0.2	500	10000	99.9	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24931: FA3171-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3171
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	GN54966	5.0	1.3	mg/l	250	242	96.8	90-113%
Chloride	GP21336/GN54967	2.0	0.0	mg/l	50	50.6	101.2	90-110%
Chloride	GP21341/GN54995	2.0	0.0	mg/l	50	51.1	102.2	90-110%
Fluoride	GP21341/GN54995	0.20	0.0	mg/l	2.5	2.52	100.8	90-110%
Nitrogen, Nitrate	GP21336/GN54967	0.10	0.0	mg/l	2.5	2.36	94.4	90-110%
Nitrogen, Nitrate	GP21341/GN54995	0.10	0.0	mg/l	2.5	2.42	96.8	90-110%
Nitrogen, Nitrite	GP21336/GN54967	0.10	0.0	mg/l	2.5	2.45	98.0	90-110%
Nitrogen, Nitrite	GP21341/GN54995	0.10	0.0	mg/l	2.5	2.60	104.0	90-110%
Phosphate, Ortho	GP21316/GN54958	0.10	0.0	mg/l	0.300	0.30	99.3	83-116%
Phosphorus, Total	GP21334/GN54984	0.10	0.0	mg/l	.300	0.29	96.4	81-118%
Solids, Total Dissolved	GN55057	100	43.0	mg/l				
Specific Conductivity	GN54934	1.0	0.0	umhos/cm				
Sulfate	GP21336/GN54967	2.0	0.0	mg/l	50	48.3	96.6	90-110%
Sulfate	GP21341/GN54995	2.0	0.0	mg/l	50	49.8	99.6	90-110%

Associated Samples:
Batch GN54934: FA3171-1
Batch GN54966: FA3171-1
Batch GN55057: FA3171-1
Batch GP21316: FA3171-1F
Batch GP21334: FA3171-1
Batch GP21336: FA3171-1
Batch GP21341: FA3171-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3171
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	GN54966	FA3264-6	mg/l	71.8	80.0	10.8	0-20%
Phosphate, Ortho	GP21316/GN54958	FA3193-1	mg/l	0.090	0.10	13.4	0-26%
Phosphorus, Total	GP21334/GN54984	FA3121-25	mg/l	0.0	0.0	10.4	0-22%
Solids, Total Dissolved	GN55057	FA3134-1	mg/l	43.0	41.0	4.8	0-5%
Specific Conductivity	GN54934	FA3171-1	umhos/cm	16500	16600	0.1	0-10%
pH	GN54913	FA3171-1	su	2.25	2.26	0.4	0-10%

Associated Samples:
Batch GN54913: FA3171-1
Batch GN54934: FA3171-1
Batch GN54966: FA3171-1
Batch GN55057: FA3171-1
Batch GP21316: FA3171-1F
Batch GP21334: FA3171-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3171
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	GN54966	FA3264-6	mg/l	71.8	250	332	104.0	90-113%
Chloride	GP21336/GN54974	FA3170-1	mg/l	53.9	50	101	94.2	90-110%
Chloride	GP21341/GN54995	FA2808-3	mg/l	1.0 B	50	50.3	98.6	90-110%
Fluoride	GP21341/GN54995	FA2808-3	mg/l	0.41	2.5	2.7	91.6	90-110%
Nitrogen, Nitrate	GP21336/GN54974	FA3170-1	mg/l	0.69	2.5	3.2	100.4	90-110%
Nitrogen, Nitrate	GP21341/GN55126	FA2808-3	mg/l	0.22	2.5	2.5	91.2	90-110%
Nitrogen, Nitrite	GP21336/GN54974	FA3170-1	mg/l	0.050	2.5	2.4	94.0	90-110%
Nitrogen, Nitrite	GP21341/GN54995	FA2808-3	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Phosphate, Ortho	GP21316/GN54958	FA3193-1	mg/l	0.090	.300	0.39	100.0	83-116%
Phosphorus, Total	GP21334/GN54984	FA3121-25	mg/l	0.0	.300	0.32	97.8	81-118%
Sulfate	GP21336/GN54974	FA3170-1	mg/l	12.7	50	60.0	94.6	90-110%
Sulfate	GP21341/GN55023	FA2808-3	mg/l	31.8	50	80.3	97.0	90-110%

Associated Samples:
Batch GN54966: FA3171-1
Batch GP21316: FA3171-1F
Batch GP21334: FA3171-1
Batch GP21336: FA3171-1
Batch GP21341: FA3171-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3171
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	GP21336/GN54974	FA3170-1	mg/l	53.9	50	102	1.0	20%
Chloride	GP21341/GN54995	FA2808-3	mg/l	1.0 B	50	50.3	0.0	20%
Fluoride	GP21341/GN54995	FA2808-3	mg/l	0.41	2.5	3.5	25.8*(a)	20%
Nitrogen, Nitrate	GP21336/GN54974	FA3170-1	mg/l	0.69	2.5	3.2	0.0	20%
Nitrogen, Nitrate	GP21341/GN55126	FA2808-3	mg/l	0.22	2.5	2.6	3.8	20%
Nitrogen, Nitrite	GP21336/GN54974	FA3170-1	mg/l	0.050	2.5	2.5	4.1	20%
Nitrogen, Nitrite	GP21341/GN54995	FA2808-3	mg/l	0.050 U	2.5	2.4	0.0	20%
Phosphorus, Total	GP21334/GN54984	FA3121-25	mg/l	0.0	.300	0.309	2.1	22%
Sulfate	GP21336/GN54974	FA3170-1	mg/l	12.7	50	60.6	1.0	20%
Sulfate	GP21341/GN55023	FA2808-3	mg/l	31.8	50	80.4	0.1	20%

Associated Samples:
Batch GP21334: FA3171-1
Batch GP21336: FA3171-1
Batch GP21341: FA3171-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) High RPD due to matrix interference.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313290301.TXT Date Analyzed: 03/29/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54967
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:41	GN54967-CCV1	1		
18:57	GP21336-MB1	1		
19:13	GP21336-B1	1		
20:00	FA3170-1	1		(sample used for QC only; not part of login FA3171)
20:16	FA3171-1	100		
20:32	ZZZZZZ	5		
20:48	ZZZZZZ	5		
21:04	ZZZZZZ	1		
21:21	ZZZZZZ	1		
21:37	GN54967-CCV2	1		
21:53	GN54967-CCB1	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313290301.TXT Date Analyzed: 03/29/13 Methods: EPA 300/SW846 9056A
Run ID: GN54967 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54967-CCV1	Chloride	50.1	2.0	0.80	50	100.2	90-110
GN54967-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54967-CCV1	Sulfate	49.9	2.0	0.60	50	99.8	90-110
GN54967-CCV2	Chloride	50.2	2.0	0.80	50	100.4	90-110
GN54967-CCV2	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN54967-CCV2	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54967-CCB1	Chloride	0.80 U	2.0	0.80			
GN54967-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54967-CCB1	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313310301.TXT Date Analyzed: 03/31/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54974
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:22	GN54974-CCV1	1		
15:38	GP21337-MB1	1		
15:54	GP21337-B1	1		
16:41	ZZZZZZ	5		
16:57	ZZZZZZ	1		
17:13	FA3246-3	1		(sample used for QC only; not part of login FA3171)
17:29	GP21337-S1	1		
17:45	GP21337-S2	1		
18:01	GN54974-CCV2	1		
18:16	GN54974-CCB1	1		
18:32	ZZZZZZ	1		
18:48	GP21336-S1	1		
19:04	GP21336-S2	1		
19:20	ZZZZZZ	500		
19:36	ZZZZZZ	1		
19:52	ZZZZZZ	1		
20:08	GN54974-CCV3	1		
20:23	GN54974-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313310301.TXT Date Analyzed: 03/31/13 Methods: EPA 300/SW846 9056A
Run ID: GN54974 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54974-CCV1	Chloride	50.0	2.0	0.80	50	100.0	90-110
GN54974-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54974-CCV1	Sulfate	48.2	2.0	0.60	50	96.4	90-110
GN54974-CCV2	Chloride	50.3	2.0	0.80	50	100.6	90-110
GN54974-CCV2	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN54974-CCV2	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN54974-CCB1	Chloride	0.80 U	2.0	0.80			
GN54974-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54974-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54974-CCV3	Chloride	50.5	2.0	0.80	50	101.0	90-110
GN54974-CCV3	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN54974-CCV3	Sulfate	54.7	2.0	0.60	50	109.4	90-110
GN54974-CCB2	Chloride	0.80 U	2.0	0.80			
GN54974-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54974-CCB2	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213010401.TXT Date Analyzed: 04/01/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54995
Parameters: Fluoride,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:52	GN54995-CCV1	1		
16:07	GP21341-MB1	1		
16:23	GP21341-B1	1		
18:08	ZZZZZZ	1		
18:24	ZZZZZZ	1		
18:40	ZZZZZZ	1000		
18:55	ZZZZZZ	500		
19:11	ZZZZZZ	500		
19:27	ZZZZZZ	1		
19:43	GN54995-CCV2	1		
19:59	GN54995-CCB1	1		
20:15	ZZZZZZ	5		
20:31	ZZZZZZ	1		
21:34	ZZZZZZ	2		
22:06	ZZZZZZ	2		
22:38	ZZZZZZ	1		
22:54	GN54995-CCV3	1		
23:09	GN54995-CCB2	1		
23:25	ZZZZZZ	1		
23:41	ZZZZZZ	1		
23:57	FA3171-1	500		
00:13	ZZZZZZ	1		
00:29	FA2808-3	1		(sample used for QC only; not part of login FA3171)
00:45	ZZZZZZ	1		
01:01	ZZZZZZ	1		
01:16	ZZZZZZ	1		
01:32	ZZZZZZ	1		
01:48	ZZZZZZ	1		
02:04	GN54995-CCV4	1		
02:20	GN54995-CCB3	1		
02:36	FA3100-3	1		(sample used for QC only; not part of login FA3171)
02:52	ZZZZZZ	1		
03:08	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213010401.TXT Date Analyzed: 04/01/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54995
Parameters: Fluoride,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:23	ZZZZZZ	1		
03:39	ZZZZZZ	1		
03:55	ZZZZZZ	1		
04:11	GP21341-S1	1		
04:27	GP21341-S2	1		
04:43	GP21341-S3	1		
04:59	GP21341-S4	1		
05:15	GN54995-CCV5	1		
05:30	GN54995-CCB4	1		
05:46	FA2900-2	1000		(sample used for QC only; not part of login FA3171)
06:02	ZZZZZZ	200		
06:18	GP21296-S1	1000		
06:34	GP21296-S2	1000		
07:06	GN54995-CCV6	1		
07:22	GN54995-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213010401.TXT Date Analyzed: 04/01/13 Methods: EPA 300/SW846 9056A
Run ID: GN54995 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54995-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54995-CCV1	Sulfate	49.8	2.0	0.60	50	99.6	90-110
GN54995-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54995-CCV2	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN54995-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54995-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54995-CCV3	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54995-CCV3	Sulfate	52.6	2.0	0.60	50	105.2	90-110
GN54995-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54995-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54995-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN54995-CCV4	Sulfate	54.6	2.0	0.60	50	109.2	90-110
GN54995-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54995-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54995-CCV5	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN54995-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54995-CCV6	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN54995-CCB5	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213020401.TXT Date Analyzed: 04/02/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55034
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:37	GN55034-CCV1	1		
10:00	GP21359-MB1	1		
10:16	GP21359-B1	1		
11:03	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:54	ZZZZZZ	1		
12:10	FA3273-1	1		(sample used for QC only; not part of login FA3171)
12:46	GN55034-CCV2	1		
13:14	GN55034-CCB1	1		
13:30	GP21359-S1	1		
13:46	GP21359-S2	1		
14:38	FA3171-1	2000		
15:18	GN55034-CCV3	1		
15:48	GN55034-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3171
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213020401.TXT Date Analyzed: 04/02/13 Methods: EPA 300/SW846 9056A
Run ID: GN55034 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55034-CCV1	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN55034-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55034-CCB1	Fluoride	0.060 U	0.20	0.060			
GN55034-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55034-CCB2	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

04/15/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA3312

Sampling Dates: 04/01/13 - 04/02/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

Total number of pages in report: **82**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

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

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA3312

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
FA3312-1	04/01/13	14:10	TP	04/03/13	AQ	Ground Water	A-27-090
FA3312-1F	04/01/13	14:10	TP	04/03/13	AQ	Ground Water	A-27-090
FA3312-2	04/01/13	12:40	TP	04/03/13	AQ	Ground Water	A-27-135
FA3312-2F	04/01/13	12:40	TP	04/03/13	AQ	Ground Water	A-27-135
FA3312-3	04/02/13	11:20	TP	04/03/13	AQ	Ground Water	A-35-155
FA3312-3F	04/02/13	11:20	TP	04/03/13	AQ	Ground Water	A-35-155
FA3312-4	04/02/13	10:20	TP	04/03/13	AQ	Ground Water	DUP 04022013
FA3312-4F	04/02/13	10:20	TP	04/03/13	AQ	Ground Water	DUP 04022013

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA3312

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 4/15/2013 4:50:49 PM

4 Sample(s) were collected on/between 04/01/2013 and 04/02/2013 and were received at Accutest SE on 04/03/2013 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of FA3312. 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:** MP24941

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) FA3477-3DUP, FA3477-3MS, FA3477-3MSD, FA3477-3PS, FA3477-3SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Aluminum, Chromium, Potassium, Sodium are outside control limits for sample MP24941-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24941-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:** GN55028

All method blanks for this batch meet method specific criteria.

Sample(s) FA3312-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA3312-1, FA3312-2, FA3312-3, FA3312-4. Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21361

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) FA3324-1MS, FA3324-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA3312-1 for Chloride: Dilution required due to matrix interference.

FA3312-2 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

Matrix: AQ **Batch ID:** GP21409

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) FA3312-1MSD, FA3312-1MS were used as the QC samples for Fluoride.

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

FA3312-1 for Fluoride: Dilution required due to matrix interference.

FA3312-2 for Fluoride: Dilution required due to matrix interference.

FA3312-3 for Fluoride: Dilution required due to matrix interference.

FA3312-4 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21355

All method blanks for this batch meet method specific criteria.

Sample(s) FA3312-1FDUP, FA3312-1FMS were used as the QC samples for Phosphate, Ortho.

The following samples were prepped outside of holding time for method EPA 365.3: FA3312-2F. Sample analyzed beyond hold time.GP21355-S1 for Phosphate, Ortho: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Matrix: AQ **Batch ID:** GP21398

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3312-1MS, FA3312-1MSD, FA3312-3DUP were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN55029

Sample(s) FA3312-1DUP was used as the QC sample for pH.

FA3312-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA3312-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA3312-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA3312-4 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55096

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3312-3DUP, FA3312-3MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN55097

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3312-1DUP, FA3312-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix Spike Recovery(s) for Alkalinity, Total as CaCO3 are outside control limits. Spike recovery indicates possible matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55082

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3349-3FDUP was used as the QC sample for Solids, Total Dissolved.

Matrix: AQ **Batch ID:** GN55180

All method blanks for this batch meet method specific criteria.

Sample(s) FA3390-7DUP was used as the QC sample for Solids, Total Dissolved.

The following samples were run outside of holding time for method SM19 2540C: FA3312-3, FA3312-4. Exceeded holding time.

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

Narrative prepared by:

_____ Date: April 15, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA3312
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/01/13 thru 04/02/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3312-1	**A-27-090**					
Aluminum		0.0726 J	0.20	0.015	mg/l	SW846 6010C
Arsenic		0.0234	0.010	0.0025	mg/l	SW846 6010C
Calcium		365	1.0	0.050	mg/l	SW846 6010C
Iron		0.102 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		197	5.0	0.074	mg/l	SW846 6010C
Potassium		43.9	10	0.20	mg/l	SW846 6010C
Selenium		0.0458	0.010	0.0020	mg/l	SW846 6010C
Sodium		287	100	5.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		700	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		700	25	13	mg/l	SM19 2320B
Chloride [a]		39.3 J	50	20	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		66.0	2.5	1.3	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		104	25	7.0	mg/l	EPA 365.3
Solids, Total Dissolved		3230	200	20	mg/l	SM19 2540C
Specific Conductivity [b]		3880	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1590	50	15	mg/l	EPA 300/SW846 9056A
pH [c]		6.21			su	SM 4500H B/SW 9040C
FA3312-1F	**A-27-090**					
Phosphate, Ortho		51.6	50	9.5	mg/l	EPA 365.3
FA3312-2	**A-27-135**					
Aluminum		0.0616 J	0.20	0.015	mg/l	SW846 6010C
Arsenic		0.0473	0.010	0.0025	mg/l	SW846 6010C
Calcium		357	1.0	0.050	mg/l	SW846 6010C
Iron		0.0689 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		187	5.0	0.074	mg/l	SW846 6010C
Potassium		30.7	10	0.20	mg/l	SW846 6010C
Selenium		0.0398	0.010	0.0020	mg/l	SW846 6010C
Sodium		413	100	5.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		1110	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		1110	25	13	mg/l	SM19 2320B
Chloride		67.0	50	20	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [d]		20.3	2.5	1.3	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		73.4	25	7.0	mg/l	EPA 365.3
Solids, Total Dissolved		3120	500	50	mg/l	SM19 2540C
Specific Conductivity [b]		4080	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1570	50	15	mg/l	EPA 300/SW846 9056A
pH [c]		6.27			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA3312
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/01/13 thru 04/02/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3312-2F	**A-27-135**					
Phosphate, Ortho [d]		54.9	50	9.5	mg/l	EPA 365.3
FA3312-3	**A-35-155**					
Aluminum		0.0224 J	0.20	0.015	mg/l	SW846 6010C
Arsenic		0.0027 J	0.010	0.0025	mg/l	SW846 6010C
Calcium		353	1.0	0.050	mg/l	SW846 6010C
Iron		0.311	0.30	0.029	mg/l	SW846 6010C
Magnesium		152	5.0	0.074	mg/l	SW846 6010C
Potassium		8.48 J	10	0.20	mg/l	SW846 6010C
Selenium		0.0027 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		72.4	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		375	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		376	5.0	0.60	mg/l	SM19 2320B
Chloride		29.4	20	8.0	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		2.4	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		3.1	1.0	0.28	mg/l	EPA 365.3
Solids, Total Dissolved [e]		2350	400	40	mg/l	SM19 2540C
Specific Conductivity [b]		2350	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1340	100	30	mg/l	EPA 300/SW846 9056A
pH [c]		7.02			su	SM 4500H B/SW 9040C
FA3312-3F	**A-35-155**					
Phosphate, Ortho		0.64	0.20	0.038	mg/l	EPA 365.3
FA3312-4	**DUP 04022013**					
Arsenic		0.0026 J	0.010	0.0025	mg/l	SW846 6010C
Calcium		354	1.0	0.050	mg/l	SW846 6010C
Iron		0.288 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		154	5.0	0.074	mg/l	SW846 6010C
Potassium		8.63 J	10	0.20	mg/l	SW846 6010C
Sodium		73.8	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		371	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		372	5.0	0.60	mg/l	SM19 2320B
Chloride		31.7	20	8.0	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		2.2	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2.8	1.0	0.28	mg/l	EPA 365.3
Solids, Total Dissolved [e]		2190	400	40	mg/l	SM19 2540C
Specific Conductivity [b]		2380	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1370	100	30	mg/l	EPA 300/SW846 9056A
pH [c]		7.05			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA3312
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/01/13 thru 04/02/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3312-4F	**DUP 04022013**					
Phosphate, Ortho		0.57	0.20	0.038	mg/l	EPA 365.3

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-27-090		
Lab Sample ID:	FA3312-1	**Date Sampled:**	04/01/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0726 J	0.20	0.015	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0234	0.010	0.0025	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	365	1.0	0.050	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.102 J	0.30	0.029	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	197	5.0	0.074	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	43.9	10	0.20	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0458	0.010	0.0020	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	287	100	5.0	mg/l	10	04/11/13	04/12/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10668
(2) Instrument QC Batch: MA10670
(3) Prep QC Batch: MP24941

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-27-090		
Lab Sample ID:	FA3312-1	**Date Sampled:**	04/01/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		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	700	5.0	5.0	mg/l	1	04/06/13 10:15	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/06/13 10:15	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	700	25	13	mg/l	1	04/06/13	AC	SM19 2320B
Chloride [a]	39.3 J	50	20	mg/l	25	04/03/13 14:08	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	04/08/13 11:54	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	66.0	2.5	1.3	mg/l	25	04/03/13 14:08	AA	EPA 300/SW846 9056A
Phosphorus, Total	104	25	7.0	mg/l	250	04/08/13 09:50	LE	EPA 365.3
Solids, Total Dissolved	3230	200	20	mg/l	2	04/05/13 14:00	KC	SM19 2540C
Specific Conductivity [b]	3880	1.0	1.0	umhos/cm	1	04/03/13 15:10	LE	EPA 120.1
Sulfate	1590	50	15	mg/l	25	04/03/13 14:08	AA	EPA 300/SW846 9056A
pH [c]	6.21			su	1	04/03/13 15:20	LE	SM 4500H B/SW 9040C

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-27-090		
Lab Sample ID:	FA3312-1F	**Date Sampled:**	04/01/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		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	51.6	50	9.5	mg/l	500	04/03/13 13:40	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-27-135		
Lab Sample ID:	FA3312-2	**Date Sampled:**	04/01/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0616 J	0.20	0.015	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0473	0.010	0.0025	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	357	1.0	0.050	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.0689 J	0.30	0.029	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	187	5.0	0.074	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	30.7	10	0.20	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0398	0.010	0.0020	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	413	100	5.0	mg/l	10	04/11/13	04/12/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10668
(2) Instrument QC Batch: MA10670
(3) Prep QC Batch: MP24941

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-27-135		
Lab Sample ID:	FA3312-2	**Date Sampled:**	04/01/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		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	1110	5.0	5.0	mg/l	1	04/06/13 10:15	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/06/13 10:15	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	1110	25	13	mg/l	1	04/06/13	AC	SM19 2320B
Chloride	67.0	50	20	mg/l	25	04/03/13 14:40	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	04/08/13 12:10	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	20.3	2.5	1.3	mg/l	25	04/03/13 14:40	AA	EPA 300/SW846 9056A
Phosphorus, Total	73.4	25	7.0	mg/l	250	04/08/13 09:50	LE	EPA 365.3
Solids, Total Dissolved	3120	500	50	mg/l	5	04/05/13 14:00	KC	SM19 2540C
Specific Conductivity [c]	4080	1.0	1.0	umhos/cm	1	04/03/13 15:10	LE	EPA 120.1
Sulfate	1570	50	15	mg/l	25	04/03/13 14:40	AA	EPA 300/SW846 9056A
pH [d]	6.27			su	1	04/03/13 15:20	LE	SM 4500H B/SW 9040C

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-27-135		
Lab Sample ID:	FA3312-2F	**Date Sampled:**	04/01/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		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]	54.9	50	9.5	mg/l	500	04/03/13 13:40	MG	EPA 365.3

(a) Sample analyzed beyond hold time.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-35-155		
Lab Sample ID:	FA3312-3	**Date Sampled:**	04/02/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0224 J	0.20	0.015	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0027 J	0.010	0.0025	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	353	1.0	0.050	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.311	0.30	0.029	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	152	5.0	0.074	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	8.48 J	10	0.20	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0027 J	0.010	0.0020	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	72.4	10	0.50	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10668
(2) Prep QC Batch: MP24941

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-35-155		
Lab Sample ID:	FA3312-3	**Date Sampled:**	04/02/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		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	375	5.0	5.0	mg/l	1	04/06/13 09:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/06/13 09:00	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	376	5.0	0.60	mg/l	1	04/06/13 09:00	AC	SM19 2320B
Chloride	29.4	20	8.0	mg/l	10	04/03/13 14:56	AA	EPA 300/SW846 9056A
Fluoride [a]	0.60 U	2.0	0.60	mg/l	10	04/08/13 12:26	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	2.4	1.0	0.50	mg/l	10	04/03/13 14:56	AA	EPA 300/SW846 9056A
Phosphorus, Total	3.1	1.0	0.28	mg/l	10	04/08/13 09:50	LE	EPA 365.3
Solids, Total Dissolved [b]	2350	400	40	mg/l	2	04/10/13	KC	SM19 2540C
Specific Conductivity [c]	2350	1.0	1.0	umhos/cm	1	04/03/13 15:10	LE	EPA 120.1
Sulfate	1340	100	30	mg/l	50	04/09/13 17:09	AA	EPA 300/SW846 9056A
pH [d]	7.02			su	1	04/03/13 15:20	LE	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Exceeded 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-35-155		
Lab Sample ID:	FA3312-3F	**Date Sampled:**	04/02/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		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	0.64	0.20	0.038	mg/l	2	04/03/13 13:40	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:	DUP 04022013		
Lab Sample ID:	FA3312-4	**Date Sampled:**	04/02/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.015 U	0.20	0.015	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0026 J	0.010	0.0025	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	354	1.0	0.050	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.288 J	0.30	0.029	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	154	5.0	0.074	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	8.63 J	10	0.20	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	73.8	10	0.50	mg/l	1	04/11/13	04/11/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10668
(2) Prep QC Batch: MP24941

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:	DUP 04022013		
Lab Sample ID:	FA3312-4	**Date Sampled:**	04/02/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		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	371	5.0	5.0	mg/l	1	04/06/13 09:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/06/13 09:00	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	372	5.0	0.60	mg/l	1	04/06/13 09:00	AC	SM19 2320B
Chloride	31.7	20	8.0	mg/l	10	04/03/13 15:45	AA	EPA 300/SW846 9056A
Fluoride [a]	0.60 U	2.0	0.60	mg/l	10	04/08/13 12:41	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	2.2	1.0	0.50	mg/l	10	04/03/13 15:45	AA	EPA 300/SW846 9056A
Phosphorus, Total	2.8	1.0	0.28	mg/l	10	04/08/13 09:50	LE	EPA 365.3
Solids, Total Dissolved [b]	2190	400	40	mg/l	2	04/10/13	KC	SM19 2540C
Specific Conductivity [c]	2380	1.0	1.0	umhos/cm	1	04/03/13 15:10	LE	EPA 120.1
Sulfate	1370	100	30	mg/l	50	04/09/13 17:25	AA	EPA 300/SW846 9056A
pH [d]	7.05			su	1	04/03/13 15:20	LE	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Exceeded 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:	DUP 04022013		
Lab Sample ID:	FA3312-4F	**Date Sampled:**	04/02/13
Matrix:	AQ - Ground Water	**Date Received:**	04/03/13
		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	0.57	0.20	0.038	mg/l	2	04/03/13 13:40	MG	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA3312 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: WSP ENV+ENG
Address: 205 W. Park st.
City: JACKSON State: MO Zip: 63755
Project Contact: Jim Huff E-mail: TIM.HUFF@WSPGROUP.COM
Phone#: 571-217-6759
Sampler(s) Name(s) (Printed): T. HATTIE

Project Information

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

Analytical Information

SEE ATTACHED

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	HONa	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	SEE ATTACHED	LAB USE ONLY
1	A-27-090	040113	1410	TP	GW	4		X			X	X				X	
2	A-27-135	040113	1240	TP		4		X			X	X				X	
3	A-35-155	040213	1120	TP		4		X			X	X				X	
4	DUP04022013	040213	1020	TP		4		X			X	X				X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

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

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	040213 1230	2 FX	3 FX	4-3-13	4 J. Coope (AKE) 09:15
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 3.8

FA3312: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 3312 CLIENT: WSP PROJECT: AGRIUM

DATE/TIME RECEIVED: 4-3-13 09:15 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3228 9930

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 4-3-13 REVIEWER SIGNATURE/DATE R Miller 04-03-13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA3312: Chain of Custody

Page 2 of 3

FA3312

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

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

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

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

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10668
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:02	MA10668-STD1	1		STDA
09:05	MA10668-STD2	1		STDB
09:09	MA10668-STD3	1		STDC
09:12	MA10668-STD4	1		STDD
09:18	MA10668-HSTD1	1		
09:27	MA10668-ICV1	1		
09:37	MA10668-ICB1	1		
09:45	MA10668-CRIA1	1		
09:52	MA10668-ICSA1	1		
09:58	MA10668-ICSAB1	1		
10:07	MA10668-CCV1	1		
10:16	MA10668-CCB1	1		
10:56	MP24941-MB1	1		
11:00	MP24941-B1	1		
11:04	MA10668-CCV2	1		
11:08	MA10668-CCB2	1		
11:12	FA3477-3	1		(sample used for QC only; not part of login FA3312)
11:16	MP24941-D1	1		
11:21	MP24941-SD1	5		
11:25	MP24941-PS1	1		
11:29	MP24941-S1	1		
11:33	MP24941-S2	1		
11:36	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:45	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:53	MA10668-CCV3	1		
11:57	MA10668-CCB3	1		
12:01	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:10	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:18	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10668
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	12:23	ZZZZZZ	1		
	12:27	FA3312-1	1		
	12:31	FA3312-2	1		
	12:36	FA3312-3	1		
	12:40	FA3312-4	1		
---------->	Last reportable sample/prep for job FA3312				
	12:44	MA10668-CCV4	1		
	12:48	MA10668-CCB4	1		
	12:52	ZZZZZZ	1		
	13:06	MP24943-MB1	1		
	13:11	MP24943-B1	1		
	13:20	FA3400-3	1		(sample used for QC only; not part of login FA3312)
	13:25	MP24943-D1	1		
	13:29	MP24943-SD1	5		
	13:33	MP24943-PS1	1		
	13:37	MP24943-S1	1		
	13:41	MP24943-S2	1		
	13:45	ZZZZZZ	1		
	13:49	MA10668-CCV5	1		
	13:53	MA10668-CCB5	1		
	13:57	ZZZZZZ	1		
	14:02	ZZZZZZ	1		
	14:06	ZZZZZZ	1		
	14:10	ZZZZZZ	1		
	14:14	ZZZZZZ	1		
	14:18	ZZZZZZ	1		
	14:22	ZZZZZZ	1		
	14:26	ZZZZZZ	1		
	14:31	ZZZZZZ	1		
	14:35	ZZZZZZ	1		
	14:39	MA10668-CCV6	1		
	14:43	MA10668-CCB6	1		
	15:09	MA10668-CCV7	1		
	15:17	MA10668-CCB7	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10668
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:20	MP24944-MB1	1		
15:25	MP24944-B1	1		
15:29	FA3477-1	1		(sample used for QC only; not part of login FA3312)
15:33	MP24944-D1	1		
15:37	MP24944-SD1	5		
15:41	MP24944-PS1	1		
15:45	MP24944-S1	1		
15:49	MP24944-S2	1		
15:53	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:01	MA10668-CCV8	1		
16:05	MA10668-CCB8	1		
16:09	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:35	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:51	MA10668-CCV9	1		
16:55	MA10668-CCB9	1		
16:59	ZZZZZZ	1		
17:04	ZZZZZZ	1		
17:08	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:20	ZZZZZZ	1		
17:25	ZZZZZZ	20		
17:29	ZZZZZZ	4		
17:33	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10668
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:37	ZZZZZZ	4		
17:41	MA10668-CCV10	1		
17:45	MA10668-CCB10	1		
17:50	ZZZZZZ	2		
17:54	ZZZZZZ	2		
17:58	ZZZZZZ	2		
18:02	ZZZZZZ	5		
18:06	ZZZZZZ	5		
18:11	ZZZZZZ	5		
18:15	ZZZZZZ	2		
18:19	ZZZZZZ	2		
18:23	ZZZZZZ	2		
18:27	ZZZZZZ	2		
18:31	MA10668-CCV11	1		
18:35	MA10668-CCB11	1		
18:39	MA10668-CRIA2	1		
18:44	MA10668-ICSA2	1		
18:48	MA10668-ICSAB2	1		
18:52	MA10668-CCV12	1		
18:56	MA10668-CCB12	1		

----------> Last reportable CCB for job FA3312
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10668
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:02	MA10668-STD1	6355	36097	7023	2801
09:05	MA10668-STD2	6438	36227	7203	2639
09:09	MA10668-STD3	6192	34871	7223	2349
09:12	MA10668-STD4	5836	33121	6927	2088
09:18	MA10668-HSTD1	5888	33615	6932	2084
09:27	MA10668-ICV1	6084	34059	6959	2296
09:37	MA10668-ICB1	6415 R	36100 R	7020 R	2804 R
09:45	MA10668-CRIA1	6384	35659	7105	2694
09:52	MA10668-ICSA1	5703	31124	6894	2035
09:58	MA10668-ICSAB1	5632	30572	6759	1981
10:07	MA10668-CCV1	6202	34863	7130	2326
10:16	MA10668-CCB1	6523	36681	7201	2830
10:56	MP24941-MB1	6343	35957	7082	2819
11:00	MP24941-B1	6200	34797	7077	2493
11:04	MA10668-CCV2	6452	36000	7392	2437
11:08	MA10668-CCB2	6331	35636	6973	2780
11:12	FA3477-3	6343	36049	7095	2727
11:16	MP24941-D1	6318	35744	7178	2719
11:21	MP24941-SD1	6480	36608	7259	2822
11:25	MP24941-PS1	6590	37367	7534	2721
11:29	MP24941-S1	6268	35157	7191	2470
11:33	MP24941-S2	6194	34648	7145	2439
11:36	ZZZZZZ	6505	36805	7262	2791
11:41	ZZZZZZ	6508	37034	7379	2796
11:45	ZZZZZZ	6529	37047	7315	2836
11:49	ZZZZZZ	6113	34268	7166	2417
11:53	MA10668-CCV3	6120	34338	7008	2301
11:57	MA10668-CCB3	6461	36307	7137	2821
12:01	ZZZZZZ	6207	34582	7115	2489
12:06	ZZZZZZ	5905	32760	7036	2303
12:10	ZZZZZZ	5868	32975	7006	2299
12:14	ZZZZZZ	5930	33078	6960	2351
12:18	ZZZZZZ	5992	33764	7034	2443

INTERNAL STANDARD SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10668
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:23	ZZZZZZ	6131	34971	7050	2509
12:27	FA3312-1	5594	31411	6879	2124
12:31	FA3312-2	5493	30720	6792	2071
12:36	FA3312-3	5747	32953	7074	2260
12:40	FA3312-4	5732	32560	6978	2258
12:44	MA10668-CCV4	6025	33728	6926	2253
12:48	MA10668-CCB4	6630	37272	7314	2870
12:52	ZZZZZZ	6227	35372	7163	2575
13:06	MP24943-MB1	6688	38005	7596	2892
13:11	MP24943-B1	6354	35611	7241	2510
13:20	FA3400-3	8754 !	49096 !	10084 !	2427
13:25	MP24943-D1	8372 !	47250 !	9646 !	2442
13:29	MP24943-SD1	6924	38918	7702	2660
13:33	MP24943-PS1	8495 !	47636 !	9811 !	2334
13:37	MP24943-S1	9039 !	50950 !	10623 !	2345
13:41	MP24943-S2	8296 !	46742 !	9707 !	2280
13:45	ZZZZZZ	7784	43343	8880 !	2572
13:49	MA10668-CCV5	6163	35841	6982	2318
13:53	MA10668-CCB5	6418	36362	7061	2792
13:57	ZZZZZZ	8553 !	48134 !	9899 !	2436
14:02	ZZZZZZ	8583 !	48089 !	9956 !	2365
14:06	ZZZZZZ	8195 !	45901 !	9422 !	2478
14:10	ZZZZZZ	8756 !	49140 !	10024 !	2444
14:14	ZZZZZZ	8451 !	47269 !	9831 !	2250
14:18	ZZZZZZ	7660	42747	8602	2567
14:22	ZZZZZZ	9723 !	54613 !	10902 !	2539
14:26	ZZZZZZ	7343	40712	7996	2633
14:31	ZZZZZZ	7812	43621	8745	2526
14:35	ZZZZZZ	11836 !	65891 !	13190 !	2445
14:39	MA10668-CCV6	6116	33859	6906	2275
14:43	MA10668-CCB6	6731	37701	7378	2905
15:09	MA10668-CCV7	6212	34964	7165	2319
15:17	MA10668-CCB7	6651	37708	7325	2859

INTERNAL STANDARD SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10668
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:20	MP24944-MB1	6698	38261	7369	2893
15:25	MP24944-B1	6457	36531	7376	2536
15:29	FA3477-1	6967	39963	7683	3003
15:33	MP24944-D1	6390	36566	7328	2747
15:37	MP24944-SD1	6714	37945	7363	2915
15:41	MP24944-PS1	6776	38645	7610	2837
15:45	MP24944-S1	6241	35248	7105	2480
15:49	MP24944-S2	6347	36242	7241	2527
15:53	ZZZZZZ	6651	38293	7416	2893
15:57	ZZZZZZ	6751	38573	7570	2867
16:01	MA10668-CCV8	6094	34389	6987	2324
16:05	MA10668-CCB8	6553	37778	7376	2881
16:09	ZZZZZZ	7014	39476	7915	2637
16:13	ZZZZZZ	6968	38536	7858	2640
16:18	ZZZZZZ	7779	43357	9188	2182
16:22	ZZZZZZ	6557	37355	7371	2713
16:26	ZZZZZZ	6379	36455	8302	1659 !
16:30	ZZZZZZ	7484	41934	9148	1953
16:35	ZZZZZZ	No results reported for the elements associated with this internal standard.			
16:39	ZZZZZZ	5173	29498	6736	1830
16:43	ZZZZZZ	6833	39094	7675	2744
16:47	ZZZZZZ	6423	36881	7222	2725
16:51	MA10668-CCV9	6028	34479	6873	2321
16:55	MA10668-CCB9	6354	36266	7027	2815
16:59	ZZZZZZ	6577	37272	7783	2208
17:04	ZZZZZZ	6483	37307	7183	2838
17:08	ZZZZZZ	6396	36794	7195	2667
17:12	ZZZZZZ	6428	37103	7229	2809
17:16	ZZZZZZ	11977 !	67154 !	13608 !	2579
17:20	ZZZZZZ	8611 !	49269 !	10855 !	1872
17:25	ZZZZZZ	7494	41858	8510	2381
17:29	ZZZZZZ	6461	37028	7539	2713
17:33	ZZZZZZ	6127	34824	7098	2538

INTERNAL STANDARD SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10668
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:37	ZZZZZZ	6347	36720	7388	2670
17:41	MA10668-CCV10	6060	34722	7019	2337
17:45	MA10668-CCB10	6329	36439	7122	2806
17:50	ZZZZZZ	5929	33977	7060	2405
17:54	ZZZZZZ	6380	36202	7407	2602
17:58	ZZZZZZ	6361	36610	7435	2607
18:02	ZZZZZZ	7557	43011	8627	2588
18:06	ZZZZZZ	7200	41206	8255	2570
18:11	ZZZZZZ	7124	40560	8165	2538
18:15	ZZZZZZ	7226	41216	8444	2533
18:19	ZZZZZZ	7441	41875	8549	2627
18:23	ZZZZZZ	7435	41866	8434	2692
18:27	ZZZZZZ	7437	42154	8379	2744
18:31	MA10668-CCV11	6076	34913	7034	2314
18:35	MA10668-CCB11	6497	37478	7149	2858
18:39	MA10668-CRIA2	6458	36918	7253	2759
18:44	MA10668-ICSA2	5744	31788	7007	2072
18:48	MA10668-ICSAB2	5711	31785	6924	2034
18:52	MA10668-CCV12	6067	34662	7023	2313
18:56	MA10668-CCB12	6483	37177	7167	2842

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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10668 Units: ug/l

Time:			09:37		10:16		11:08		11:57	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-6.4	<200	-0.90	<200	-3.2	<200	-4.4	<200
Antimony	6.0	1.3	-1.1	<6.0	-1.2	<6.0	-1.3	<6.0	-1.2	<6.0
Arsenic	10	1.6	0.90	<10	0.50	<10	-0.30	<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	0.0	<5.0	0.0	<5.0
Calcium	1000	50	0.50	<1000	3.0	<1000	0.0	<1000	3.4	<1000
Chromium	10	1.8	-0.10	<10	0.0	<10	0.20	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-1.7	<300	3.1	<300	3.5	<300	1.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	15.6	<5000	12.5	<5000	11.6	<5000	14.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	15.7	<10000	-1.2	<10000	2.3	<10000	25.9	<10000
Selenium	10	2	-0.50	<10	-0.30	<10	-1.5	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	3.3	<10000	3.5	<10000	32.3	<10000	55.1	<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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10668 Units: ug/l

Time:			12:48		13:53		14:43		15:17	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-7.4	<200	-4.9	<200	-8.0	<200	9.9	<200
Antimony	6.0	1.3	-1.8	<6.0	-2.5	<6.0	-2.1	<6.0	0.50	<6.0
Arsenic	10	1.6	0.50	<10	0.0	<10	-0.20	<10	0.30	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.20	<5.0
Calcium	1000	50	3.1	<1000	1.4	<1000	1.2	<1000	25.7	<1000
Chromium	10	1.8	0.10	<10	0.10	<10	0.20	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	0.50	<300	1.1	<300	1.3	<300	7.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	13.7	<5000	8.8	<5000	1.3	<5000	13.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	20.5	<10000	12.1	<10000	-12	<10000	38.6	<10000
Selenium	10	2	-1.6	<10	-0.30	<10	-0.50	<10	-0.70	<10
Silver	10	.5	anr							
Sodium	10000	500	100	<10000	30.8	<10000	25.0	<10000	29.6	<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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10668 Units: ug/l

Time:			16:05		16:55		17:45		18:35	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.4	<200	6.6	<200	2.6	<200	15.2	<200
Antimony	6.0	1.3	0.80	<6.0	1.0	<6.0	0.50	<6.0	0.50	<6.0
Arsenic	10	1.6	0.40	<10	0.60	<10	0.10	<10	-0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.10	<5.0	0.20	<5.0
Calcium	1000	50	25.9	<1000	41.4	<1000	26.7	<1000	25.2	<1000
Chromium	10	1.8	0.20	<10	0.50	<10	0.60	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	11.5	<300	9.4	<300	8.9	<300	8.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	5.4	<5000	9.8	<5000	7.4	<5000	0.30	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	43.4	<10000	43.3	<10000	23.1	<10000	46.7	<10000
Selenium	10	2	0.70	<10	0.20	<10	1.0	<10	1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	27.8	<10000	28.5	<10000	28.0	<10000	15.2	<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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10668 Units: ug/l

Time:			18:56	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	15	9.8	<200
Antimony	6.0	1.3	0.40	<6.0
Arsenic	10	1.6	0.30	<10
Barium	200	1	anr	
Beryllium	4.0	.5	anr	
Cadmium	5.0	.5	0.20	<5.0
Calcium	1000	50	31.0	<1000
Chromium	10	1.8	0.10	<10
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	9.8	<300
Lead	5.0	1.1	anr	
Magnesium	5000	74	14.2	<5000
Manganese	15	.7	anr	
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200	14.7	<10000
Selenium	10	2	-1.5	<10
Silver	10	.5	anr	
Sodium	10000	500	20.2	<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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10668 Units: ug/l

Time:		09:27			10:07			11:04	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40700	101.8	40000	39900	99.8	40000	38100	95.3
Antimony	2000	1980	99.0	2000	2000	100.0	2000	1920	96.0
Arsenic	2000	1980	99.0	2000	2000	100.0	2000	1920	96.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2040	102.0	2000	1940	97.0
Calcium	40000	41400	103.5	40000	40100	100.3	40000	38300	95.8
Chromium	2000	2040	102.0	2000	2030	101.5	2000	1950	97.5
Cobalt									
Copper	anr								
Iron	40000	40800	102.0	40000	39400	98.5	40000	38100	95.3
Lead	anr								
Magnesium	40000	39300	98.3	40000	39800	99.5	40000	38300	95.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40400	101.0	40000	39500	98.8	40000	38300	95.8
Selenium	2000	2000	100.0	2000	2010	100.5	2000	1930	96.5
Silver	anr								
Sodium	40000	41100	102.8	40000	40200	100.5	40000	38400	96.0
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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10668 Units: ug/l

Time:		11:53			12:44			13:49	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40700	101.8	40000	41500	103.8	40000	40600	101.5
Antimony	2000	2050	102.5	2000	2080	104.0	2000	2030	101.5
Arsenic	2000	2040	102.0	2000	2080	104.0	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2100	105.0	2000	2060	103.0
Calcium	40000	40800	102.0	40000	41400	103.5	40000	40600	101.5
Chromium	2000	2070	103.5	2000	2100	105.0	2000	2000	100.0
Cobalt									
Copper	anr								
Iron	40000	40700	101.8	40000	41400	103.5	40000	40600	101.5
Lead	anr								
Magnesium	40000	40600	101.5	40000	41200	103.0	40000	40700	101.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40600	101.5	40000	41300	103.3	40000	40600	101.5
Selenium	2000	2060	103.0	2000	2100	105.0	2000	2050	102.5
Silver	anr								
Sodium	40000	41100	102.8	40000	41600	104.0	40000	41000	102.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10668 Units: ug/l

Time:		14:39			15:09			16:01	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41800	104.5	40000	39500	98.8	40000	39900	99.8
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2070	103.5
Arsenic	2000	2060	103.0	2000	2000	100.0	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2100	105.0	2000	2020	101.0	2000	2040	102.0
Calcium	40000	41800	104.5	40000	39700	99.3	40000	40100	100.3
Chromium	2000	2140	107.0	2000	2020	101.0	2000	2030	101.5
Cobalt									
Copper	anr								
Iron	40000	41300	103.3	40000	39800	99.5	40000	41100	102.8
Lead	anr								
Magnesium	40000	41500	103.8	40000	39800	99.5	40000	40700	101.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41400	103.5	40000	39600	99.0	40000	40700	101.8
Selenium	2000	2060	103.0	2000	2010	100.5	2000	2060	103.0
Silver	anr								
Sodium	40000	42200	105.5	40000	39700	99.3	40000	40100	100.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10668 Units: ug/l

Time:		16:51			17:41			18:31	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39000	97.5	40000	39500	98.8
Antimony	2000	2090	104.5	2000	2080	104.0	2000	2070	103.5
Arsenic	2000	2060	103.0	2000	2050	102.5	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0
Calcium	40000	39700	99.3	40000	39100	97.8	40000	39500	98.8
Chromium	2000	2000	100.0	2000	1970	98.5	2000	1990	99.5
Cobalt									
Copper	anr								
Iron	40000	41200	103.0	40000	40700	101.8	40000	40700	101.8
Lead	anr								
Magnesium	40000	40600	101.5	40000	39700	99.3	40000	40000	100.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	40300	100.8	40000	40400	101.0
Selenium	2000	2080	104.0	2000	2070	103.5	2000	2070	103.5
Silver	anr								
Sodium	40000	39900	99.8	40000	39300	98.3	40000	39700	99.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10668 Units: ug/l

Time:		18:52	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	40000	39500	98.8
Antimony	2000	2070	103.5
Arsenic	2000	2050	102.5
Barium	anr		
Beryllium	anr		
Cadmium	2000	2040	102.0
Calcium	40000	39600	99.0
Chromium	2000	2000	100.0
Cobalt			
Copper	anr		
Iron	40000	40600	101.5
Lead	anr		
Magnesium	40000	39900	99.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	40400	101.0
Selenium	2000	2070	103.5
Silver	anr		
Sodium	40000	39700	99.3
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10668 Units: ug/l

Time:		09:18	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	3990	99.8
Arsenic	4000	4000	100.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3980	99.5
Calcium	80000	80000	100.0
Chromium	4000	3940	98.5
Cobalt			
Copper	anr		
Iron	80000	80200	100.3
Lead	anr		
Magnesium	80000	80100	100.1
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80300	100.4
Selenium	4000	3990	99.8
Silver	anr		
Sodium	80000	80200	100.3
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10668 Units: ug/l

Time:			09:45		18:39	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	207	103.5	198	99.0
Antimony	10	5.0	4.2	84.0	5.1	102.0
Arsenic	20	10	10.7	107.0	10.1	101.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.1	102.0
Calcium	2000	1000	1050	105.0	992	99.2
Chromium	20	10	10.4	104.0	10.0	100.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	319	106.3	318	106.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5140	102.8	4910	98.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10000	100.0	9810	98.1
Selenium	20	10	9.4	94.0	10.3	103.0
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	9730	97.3
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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041113M1.ICP Date Analyzed: 04/11/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10668 Units: ug/l

Time:			09:52		09:58		18:44		18:48	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	497000	99.4	504000	100.8	479000	95.8	470000	94.0
Antimony		1000	0.30		975	97.5	3.4		975	97.5
Arsenic		1000	0.10		998	99.8	0.10		981	98.1
Barium		500	-0.40		507	101.4	0.10		498	99.6
Beryllium		500	-0.10		486	97.2	-0.10		479	95.8
Cadmium		1000	0.0		916	91.6	-0.30		874	87.4
Calcium	500000	500000	468000	93.6	478000	95.6	446000	89.2	448000	89.6
Chromium		500	-0.60		481	96.2	-0.60		446	89.2
Cobalt		500	0.20		450	90.0	0.20		431	86.2
Copper		500	0.0		507	101.4	0.70		496	99.2
Iron	200000	200000	186000	93.0	187000	93.5	183000	91.5	184000	92.0
Lead		1000	0.40		939	93.9	-5.9		855	85.5
Magnesium	500000	500000	468000	93.6	478000	95.6	450000	90.0	456000	91.2
Manganese		500	-0.60		488	97.6	-0.50		473	94.6
Molybdenum		1000	0.10		905	90.5	0.10		911	91.1
Nickel		1000	0.10		884	88.4	-0.20		881	88.1
Potassium			6.3		-1.3		33.4		50.9	
Selenium		1000	0.90		952	95.2	0.0		941	94.1
Silver		1000	0.20		968	96.8	-0.30		933	93.3
Sodium			81.5		97.6		104		110	
Strontium		1000	12.8		1020	102.0	12.9		1010	101.0
Thallium		1000	-0.10		930	93.0	2.0		908	90.8
Tin		1000	-0.70		910	91.0	-0.40		882	88.2
Titanium		1000	-2.5		1000	100.0	-2.2		995	99.5
Vanadium		500	0.0		482	96.4	-0.10		456	91.2
Zinc		1000	0.90		925	92.5	1.0		873	87.3

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	08:33	MA10670-STD1	1		STDA
	08:37	MA10670-STD2	1		STDB
	08:41	MA10670-STD3	1		STDC
	08:44	MA10670-STD4	1		STDD
	08:50	MA10670-HSTD1	1		
	08:59	MA10670-ICV1	1		
	09:04	MA10670-ICB1	1		
	09:14	MA10670-CRIA1	1		
	09:23	MA10670-ICSA1	1		
	09:30	MA10670-ICSAB1	1		
	09:41	MA10670-CCV1	1		
	09:48	MA10670-CCB1	1		
	09:51	ZZZZZZ	4		
	09:56	ZZZZZZ	10		
	10:00	ZZZZZZ	10		
	10:04	ZZZZZZ	4		
	10:08	ZZZZZZ	10		
	10:12	ZZZZZZ	5		
	10:17	ZZZZZZ	4		
	10:21	ZZZZZZ	4		
	10:26	ZZZZZZ	4		
	10:30	ZZZZZZ	4		
	10:34	MA10670-CCV2	1		
	10:38	MA10670-CCB2	1		
	10:42	ZZZZZZ	10		
	10:47	ZZZZZZ	10		
	10:51	ZZZZZZ	10		
	10:55	ZZZZZZ	1		
	10:59	FA3312-1	10		
	11:04	FA3312-2	10		
---------->	Last reportable sample/prep for job FA3312				
	11:08	ZZZZZZ	4		
	11:12	ZZZZZZ	20		
	11:16	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:21	ZZZZZZ	5		
11:25	MA10670-CCV3	1		
11:29	MA10670-CCB3	1		
11:33	ZZZZZZ	2		
11:38	MP24948-MB1	1		
11:42	MP24948-B1	1		
11:46	FA3374-1	1		(sample used for QC only; not part of login FA3312)
11:50	MP24948-D1	1		
11:54	MP24948-SD1	5		
11:58	MP24948-PS1	1		
12:02	MP24948-S1	1		
12:06	MP24948-S2	1		
12:10	ZZZZZZ	1		
12:14	MA10670-CCV4	1		
12:18	MA10670-CCB4	1		
12:23	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:07	MA10670-CCV5	1		
13:11	MA10670-CCB5	1		
13:15	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:36	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:41	MP24953-MB1	1		
13:45	MP24953-B1	1		
13:49	FA3378-1	1		(sample used for QC only; not part of login FA3312)
13:53	MP24953-D1	1		
13:57	MA10670-CCV6	1		
14:01	MA10670-CCB6	1		
15:06	MA10670-CCV7	1		
15:13	MA10670-CCB7	1		
15:17	MP24953-SD1	5		
15:22	MP24953-PS1	1		
15:26	MP24953-S1	1		
15:30	MP24953-S2	1		
15:34	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:00	MA10670-CCV8	1		
16:04	MA10670-CCB8	1		
16:08	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:51	MA10670-CCV9	1		
16:55	MA10670-CCB9	1		
16:59	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	17:04	ZZZZZZ	1		
	17:08	ZZZZZZ	1		
	17:12	MA10670-CRIA2	1		
	17:16	MA10670-ICSA2	1		
	17:21	MA10670-ICSAB2	1		
	17:25	MA10670-CCV10	1		
	17:29	MA10670-CCB10	1		
---------->	Last reportable CCB for job FA3312				
	Refer to raw data for calibration curve and standards.				

INTERNAL STANDARD SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:33	MA10670-STD1	4693	31634	7136	2218
08:37	MA10670-STD2	4512	30284	7080	2046
08:41	MA10670-STD3	4383	29626	7098	1867
08:44	MA10670-STD4	4128	28240	6935	1690
08:50	MA10670-HSTD1	4104	28374	6905	1689
08:59	MA10670-ICV1	4256	28900	6965	1848
09:04	MA10670-ICB1	4542 R	30815 R	7009 R	2184 R
09:14	MA10670-CRIA1	4544	30637	6898	2136
09:23	MA10670-ICSA1	3866	25568	6673	1621
09:30	MA10670-ICSAB1	3873	25819	6703	1601
09:41	MA10670-CCV1	4276	28998	6856	1842
09:48	MA10670-CCB1	4587	31181	7046	2204
09:51	ZZZZZZ	4433	30004	7047	2046
09:56	ZZZZZZ	4340	29355	6882	2014
10:00	ZZZZZZ	4424	30006	6951	2078
10:04	ZZZZZZ	4383	29941	7037	2061
10:08	ZZZZZZ	4686	31723	7692	1867
10:12	ZZZZZZ	4973	33628	8323	1736
10:17	ZZZZZZ	4476	30569	7067	2082
10:21	ZZZZZZ	4461	30178	6977	2092
10:26	ZZZZZZ	4412	30011	6902	2058
10:30	ZZZZZZ	4460	30327	6936	2105
10:34	MA10670-CCV2	4308	29007	6844	1853
10:38	MA10670-CCB2	4588	31124	7006	2189
10:42	ZZZZZZ	4556	30721	6986	2120
10:47	ZZZZZZ	4517	30642	7000	2106
10:51	ZZZZZZ	4510	30687	7016	2103
10:55	ZZZZZZ	4155	28521	6914	1814
10:59	FA3312-1	4445	30245	7005	2039
11:04	FA3312-2	4496	30258	7053	2048
11:08	ZZZZZZ	5085	34259	8780	1496
11:12	ZZZZZZ	4331	29161	6851	1930
11:16	ZZZZZZ	4561	30831	7278	1852

INTERNAL STANDARD SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:21	ZZZZZZ	5499	36901	8434	2123
11:25	MA10670-CCV3	4414	29751	6947	1866
11:29	MA10670-CCB3	4652	31453	7030	2206
11:33	ZZZZZZ	5231	35271	8823 !	1679
11:38	MP24948-MB1	4328	30857	6589	2082
11:42	MP24948-B1	3905	27976	6567	1726
11:46	FA3374-1	5541	37262	8642	1940
11:50	MP24948-D1	5152	34704	7916	1923
11:54	MP24948-SD1	4897	32959	7442	2164
11:58	MP24948-PS1	5470	36870	8459	1889
12:02	MP24948-S1	6128 !	41051 !	9629 !	1865
12:06	MP24948-S2	5758 !	38641 !	9119 !	1898
12:10	ZZZZZZ	6023 !	40543 !	9356 !	1903
12:14	MA10670-CCV4	4338	29259	6862	1867
12:18	MA10670-CCB4	4597	31152	6930	2196
12:23	ZZZZZZ	6446 !	43744 !	10478 !	1770
12:27	ZZZZZZ	6273 !	42316 !	10306 !	1666
12:32	ZZZZZZ	5408	36352	8292	1958
12:36	ZZZZZZ	6517 !	44065 !	10395 !	1787
12:40	ZZZZZZ	6989 !	47099 !	11604 !	1622
12:45	ZZZZZZ	6670 !	44927 !	10766 !	1758
12:50	ZZZZZZ	6742 !	45489 !	10761 !	1812
12:54	ZZZZZZ	6299 !	42417 !	10001 !	1777
12:58	ZZZZZZ	6255 !	42299 !	10005 !	1734
13:03	ZZZZZZ	6264 !	42444 !	10039 !	1729
13:07	MA10670-CCV5	4335	29479	6804	1867
13:11	MA10670-CCB5	4579	31183	6934	2195
13:15	ZZZZZZ	5856 !	39428 !	9465 !	1699
13:19	ZZZZZZ	6064 !	41013 !	9678 !	1777
13:24	ZZZZZZ	4405	29716	6651	2049
13:28	ZZZZZZ	4434	30424	6863	2012
13:32	ZZZZZZ	4600	31110	7033	2034
13:36	ZZZZZZ	4376	29484	6823	1915

INTERNAL STANDARD SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:41	MP24953-MB1	4685	32214	7109	2245
13:45	MP24953-B1	4433	30012	6926	1989
13:49	FA3378-1	4379	29912	6896	1983
13:53	MP24953-D1	4378	29800	6902	1981
13:57	MA10670-CCV6	4330	29317	6850	1861
14:01	MA10670-CCB6	4583	31203	6858	2204
15:06	MA10670-CCV7	4276	29021	6757	1861
15:13	MA10670-CCB7	4536	30880	6775	2179
15:17	MP24953-SD1	4477	30735	6801	2098
15:22	MP24953-PS1	4303	29380	6822	1925
15:26	MP24953-S1	4357	29692	6979	1904
15:30	MP24953-S2	4330	29353	6913	1890
15:34	ZZZZZZ	4230	29114	6897	1876
15:39	ZZZZZZ	4347	29808	6845	1990
15:43	ZZZZZZ	4954	33738	7793	2005
15:47	ZZZZZZ	4493	30659	7021	2026
15:51	ZZZZZZ	4521	31073	7091	2111
15:56	ZZZZZZ	4369	30038	6923	2003
16:00	MA10670-CCV8	4207	28700	6636	1824
16:04	MA10670-CCB8	4480	30764	6770	2156
16:08	ZZZZZZ	4188	28624	6706	1889
16:12	ZZZZZZ	4337	29756	6779	2016
16:17	ZZZZZZ	4308	29312	6928	1936
16:21	ZZZZZZ	4436	30250	6989	2060
16:25	ZZZZZZ	4097	28206	6781	1805
16:30	ZZZZZZ	4382	29812	6905	1999
16:34	ZZZZZZ	4504	30702	6985	2101
16:38	ZZZZZZ	4299	29311	6796	1926
16:43	ZZZZZZ	4352	29813	6719	2058
16:47	ZZZZZZ	4511	30883	6961	2103
16:51	MA10670-CCV9	4313	29177	6762	1859
16:55	MA10670-CCB9	4567	31069	6891	2184
16:59	ZZZZZZ	4663	32016	7124	2224

INTERNAL STANDARD SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10670
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:04	ZZZZZZ	4576	31200	7303	2101
17:08	ZZZZZZ	4596	31310	7046	2164
17:12	MA10670-CRIA2	4446	30209	6700	2083
17:16	MA10670-ICSA2	3924	25903	6537	1638
17:21	MA10670-ICSAB2	3921	26097	6519	1609
17:25	MA10670-CCV10	4282	28666	6629	1838
17:29	MA10670-CCB10	4563	30633	6736	2178

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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10670 Units: ug/l

Time:			09:04		09:48		10:38		11:29	
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	4.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	8.8	<10000	1.6	<10000	17.8	<10000	19.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10670 Units: ug/l

Time:			12:18		13:11		14:01		15:13	
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	4.0	.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	6.3	<10000	-0.20	<10000	0.50	<10000	15.4	<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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10670 Units: ug/l

Time:			16:04		16:55		17:29	
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	4.0	.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	33.2	<10000	27.9	<10000	25.6	<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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10670 Units: ug/l

Time:		08:59			09:41			10:34	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40300	100.8	40000	40200	100.5	40000	40200	100.5
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10670 Units: ug/l

Time:		11:25			12:14			13:07	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	39600	99.0	40000	40200	100.5	40000	39800	99.5
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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10670 Units: ug/l

Time:		13:57			15:06			16:00	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	39600	99.0	40000	39700	99.3	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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10670 Units: ug/l

Time:		16:51			17:25	
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						
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	40000	39800	99.5	40000	40500	101.3
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10670 Units: ug/l

Time:		08:50	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	80000	80300	100.4
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10670 Units: ug/l

Time:			09:14		17:12	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	9780	97.8
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041213M1.ICP Date Analyzed: 04/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10670 Units: ug/l

Time:			09:23		09:30		17:16		17:21	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	503000	100.6	497000	99.4	490000	98.0	483000	96.6
Antimony		1000	0.0		1020	102.0	-0.70		992	99.2
Arsenic		1000	1.0		1030	103.0	1.0		997	99.7
Barium		500	-0.20		513	102.6	-0.20		497	99.4
Beryllium		500	-0.20		493	98.6	-0.10		474	94.8
Cadmium		1000	0.0		914	91.4	0.30		898	89.8
Calcium	500000	500000	475000	95.0	468000	93.6	462000	92.4	461000	92.2
Chromium		500	-0.10		471	94.2	-0.20		466	93.2
Cobalt		500	0.40		453	90.6	0.40		445	89.0
Copper		500	0.0		522	104.4	-0.40		511	102.2
Iron	200000	200000	191000	95.5	188000	94.0	181000	90.5	181000	90.5
Lead		1000	-0.20		930	93.0	0.0		904	90.4
Magnesium	500000	500000	489000	97.8	487000	97.4	472000	94.4	475000	95.0
Manganese		500	-0.70		488	97.6	-0.60		475	95.0
Molybdenum		1000	-0.40		943	94.3	0.0		903	90.3
Nickel		1000	0.60		908	90.8	0.50		878	87.8
Potassium			9.0		10.4		4.4		13.0	
Selenium		1000	0.0		984	98.4	5.6		967	96.7
Silver		1000	0.20		975	97.5	0.20		1010	101.0
Sodium			71.3		99.1		95.6		132	
Strontium		1000	12.4		1040	104.0	11.8		995	99.5
Thallium		1000	-0.90		939	93.9	-31*		912	91.2
Tin		1000	-0.10		926	92.6	-0.50		904	90.4
Titanium		1000	-2.0		1020	102.0	-1.6		990	99.0
Vanadium		500	0.0		480	96.0	-0.10		472	94.4
Zinc		1000	2.2		930	93.0	1.7		890	89.0

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24941
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/11/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	2.1	<200
Antimony	6.0	1.3	1.3	-2.6	<6.0
Arsenic	10	1.6	2.5	-0.40	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	33.9	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-0.70	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	16.5	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-0.50	<10000
Selenium	10	2	2	-0.10	<10
Silver	10	.5	.5		
Sodium	10000	500	500	61.6	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3		
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1		
Zinc	20	3	5		

Associated samples MP24941: FA3312-1, FA3312-2, FA3312-3, FA3312-4

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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24941
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			04/11/13					04/11/13	
Metal	FA3477-3 Original	DUP	RPD	QC Limits	FA3477-3 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	259	244	6.0	0-20	259	28700	27000	105.3	80-120
Antimony	0.0	0.0	NC	0-20	0.0	525	500	105.0	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2070	2000	103.5	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	51.9	50	103.8	80-120
Calcium	31600	31100	1.6	0-20	31600	56200	25000	98.4	80-120
Chromium	2.1	1.9	10.0	0-20	2.1	218	200	108.0	80-120
Cobalt									
Copper	anr								
Iron	3180	3110	2.2	0-20	3180	30600	26000	105.5	80-120
Lead	anr								
Magnesium	2120	2070	2.4	0-20	2120	27900	25000	103.1	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	1870	1860	0.5	0-20	1870	28100	25000	104.9	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2070	2000	103.5	80-120
Silver	anr								
Sodium	1780	1760	1.1	0-20	1780	28100	25000	105.3	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP24941: FA3312-1, FA3312-2, FA3312-3, FA3312-4

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24941
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/11/13

Metal	FA3477-3 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	259	28900	27000	106.1	0.7	20
Antimony	0.0	534	500	106.8	1.7	20
Arsenic	0.0	2110	2000	105.5	1.9	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	52.7	50	105.4	1.5	20
Calcium	31600	56800	25000	100.8	1.1	20
Chromium	2.1	221	200	109.5	1.4	20
Cobalt						
Copper	anr					
Iron	3180	31000	26000	107.0	1.3	20
Lead	anr					
Magnesium	2120	28100	25000	103.9	0.7	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	1870	28400	25000	106.1	1.1	20
Selenium	0.0	2110	2000	105.5	1.9	20
Silver	anr					
Sodium	1780	28400	25000	106.5	1.1	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP24941: FA3312-1, FA3312-2, FA3312-3, FA3312-4

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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24941
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/11/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28900	27000	107.0	80-120
Antimony	534	500	106.8	80-120
Arsenic	2110	2000	105.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	53.6	50	107.2	80-120
Calcium	27100	25000	108.4	80-120
Chromium	220	200	110.0	80-120
Cobalt				
Copper	anr			
Iron	28300	26000	108.8	80-120
Lead	anr			
Magnesium	26600	25000	106.4	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	26800	25000	107.2	80-120
Selenium	2100	2000	105.0	80-120
Silver	anr			
Sodium	26800	25000	107.2	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24941: FA3312-1, FA3312-2, FA3312-3, FA3312-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24941
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/11/13

Metal	FA3477-3 Original	SDL 1:5	%DIF	QC Limits
Aluminum	259	181	30.1 (a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	31600	30100	4.9	0-10
Chromium	2.10	0.00	100.0(a)	0-10
Cobalt				
Copper	anr			
Iron	3180	3000	5.7	0-10
Lead	anr			
Magnesium	2120	1960	7.4	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	1870	1630	13.0 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	1780	0.00	100.0(a)	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24941: FA3312-1, FA3312-2, FA3312-3, FA3312-4

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: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24941
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/11/13

Metal	Sample ml	Final ml	FA3477-3 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	259	253.82	2637	0.2	125	2500	95.3	80-120
Antimony	9.8	10	0	0	99.4	0.2	5	100	99.4	80-120
Arsenic	9.8	10	0	0	99.6	0.2	5	100	99.6	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	50.6	0.2	2.5	50	101.2	80-120
Calcium	9.8	10	31620	30987.6	34610	0.2	250	5000	72.4*(a)	80-120
Chromium	9.8	10	2.1	2.058	53.4	0.2	2.5	50	102.7	80-120
Cobalt										
Copper										
Iron	9.8	10	3184	3120.32	5893	0.2	150	3000	92.4	80-120
Lead										
Magnesium	9.8	10	2117	2074.66	6763	0.2	250	5000	93.8	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	1872	1834.56	11440	0.2	500	10000	96.1	80-120
Selenium	9.8	10	0	0	98.3	0.2	5	100	98.3	80-120
Silver										
Sodium	9.8	10	1778	1742.44	11500	0.2	500	10000	97.6	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24941: FA3312-1, FA3312-2, FA3312-3, FA3312-4

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: FA3312
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	GN55096	5.0	0.0	mg/l	250	252	101.0	90-113%
Alkalinity, Total as CaCO3	GN55097	25	0.0	mg/l	250	255	102.0	90-113%
Chloride	GP21361/GN55042	2.0	0.0	mg/l	50	50.5	101.0	90-110%
Fluoride	GP21409/GN55132	0.20	0.0	mg/l	2.5	2.61	104.4	90-110%
Nitrogen, Nitrate	GP21361/GN55042	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Nitrogen, Nitrite	GP21361/GN55042	0.10	0.0	mg/l	2.5	2.50	100.0	90-110%
Phosphate, Ortho	GP21355/GN55018	0.10	0.0	mg/l	0.300	0.30	98.6	83-116%
Phosphorus, Total	GP21398/GN55117	0.10	0.0	mg/l	.300	0.29	95.7	81-118%
Solids, Total Dissolved	GN55082	100	0.0	mg/l				
Solids, Total Dissolved	GN55180	100	0.0	mg/l				
Specific Conductivity	GN55028	1.0	0.0	umhos/cm				
Sulfate	GP21361/GN55042	2.0	0.0	mg/l	50	49.5	99.0	90-110%

Associated Samples:
Batch GN55028: FA3312-1, FA3312-2, FA3312-3, FA3312-4
Batch GN55082: FA3312-1, FA3312-2
Batch GN55096: FA3312-3, FA3312-4
Batch GN55097: FA3312-1, FA3312-2
Batch GN55180: FA3312-3, FA3312-4
Batch GP21355: FA3312-1F, FA3312-2F, FA3312-3F, FA3312-4F
Batch GP21361: FA3312-1, FA3312-2, FA3312-3, FA3312-4
Batch GP21398: FA3312-1, FA3312-2, FA3312-3, FA3312-4
Batch GP21409: FA3312-1, FA3312-2, FA3312-3, FA3312-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3312
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	GN55096	FA3312-3	mg/l	376	377	0.5	0-20%
Alkalinity, Total as CaCO3	GN55097	FA3312-1	mg/l	700	693	1.1	0-20%
Phosphate, Ortho	GP21355/GN55018	FA3312-1F	mg/l	51.6	52.7	2.1	0-26%
Phosphorus, Total	GP21398/GN55117	FA3312-3	mg/l	3.1	3.0	1.5	0-22%
Solids, Total Dissolved	GN55082	FA3349-3F	mg/l	412	419	1.7	0-5%
Solids, Total Dissolved	GN55180	FA3390-7	mg/l	269	265	1.5	0-5%
Specific Conductivity	GN55028	FA3312-1	umhos/cm	3880	3890	0.2	0-10%
pH	GN55029	FA3312-1	su	6.21	6.20	0.2	0-10%

Associated Samples:
Batch GN55028: FA3312-1, FA3312-2, FA3312-3, FA3312-4
Batch GN55029: FA3312-1, FA3312-2, FA3312-3, FA3312-4
Batch GN55082: FA3312-1, FA3312-2
Batch GN55096: FA3312-3, FA3312-4
Batch GN55097: FA3312-1, FA3312-2
Batch GN55180: FA3312-3, FA3312-4
Batch GP21355: FA3312-1F, FA3312-2F, FA3312-3F, FA3312-4F
Batch GP21398: FA3312-1, FA3312-2, FA3312-3, FA3312-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3312
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	GN55096	FA3312-3	mg/l	376	250	610	93.6	90-113%
Alkalinity, Total as CaCO3	GN55097	FA3312-1	mg/l	700	250	908	83.0*(a)	90-113%
Chloride	GP21361/GN55042	FA3324-1	mg/l	17.0	50	67.1	100.2	90-110%
Fluoride	GP21409/GN55132	FA3312-1	mg/l	1.5 U	2.5	3.5	140.0N(a)	90-110%
Nitrogen, Nitrate	GP21361/GN55042	FA3324-1	mg/l	1.1	2.5	3.6	100.0	90-110%
Nitrogen, Nitrite	GP21361/GN55042	FA3324-1	mg/l	0.15	2.5	2.5	94.0	90-110%
Phosphate, Ortho	GP21355/GN55018	FA3312-1F	mg/l	51.6	0.300	190	94.4(b)	83-116%
Phosphorus, Total	GP21398/GN55117	FA3312-1	mg/l	104	.300	3.4	105.0	81-118%
Sulfate	GP21361/GN55042	FA3324-1	mg/l	1.7	50	51.3	99.2	90-110%

Associated Samples:
Batch GN55096: FA3312-3, FA3312-4
Batch GN55097: FA3312-1, FA3312-2
Batch GP21355: FA3312-1F, FA3312-2F, FA3312-3F, FA3312-4F
Batch GP21361: FA3312-1, FA3312-2, FA3312-3, FA3312-4
Batch GP21398: FA3312-1, FA3312-2, FA3312-3, FA3312-4
Batch GP21409: FA3312-1, FA3312-2, FA3312-3, FA3312-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3312
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	GP21361/GN55042	FA3324-1	mg/l	17.0	50	67.1	0.0	20%
Fluoride	GP21409/GN55132	FA3312-1	mg/l	1.5 U	2.5	2.9	18.8(a)	20%
Nitrogen, Nitrate	GP21361/GN55042	FA3324-1	mg/l	1.1	2.5	3.6	0.0	20%
Nitrogen, Nitrite	GP21361/GN55042	FA3324-1	mg/l	0.15	2.5	2.5	0.0	20%
Sulfate	GP21361/GN55042	FA3324-1	mg/l	1.7	50	51.2	0.2	20%

Associated Samples:
Batch GP21361: FA3312-1, FA3312-2, FA3312-3, FA3312-4
Batch GP21398: FA3312-1, FA3312-2, FA3312-3, FA3312-4
Batch GP21409: FA3312-1, FA3312-2, FA3312-3, FA3312-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313030401.TXT Date Analyzed: 04/03/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55042
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:13	GN55042-CCV1	1		
12:29	GP21361-MB1	1		
12:45	GP21361-B1	1		
14:08	FA3312-1	25		
14:40	FA3312-2	25		
14:56	FA3312-3	10		
15:12	GN55042-CCV2	1		
15:28	GN55042-CCB1	1		
15:45	FA3312-4	10		
17:06	FA3324-1	1		(sample used for QC only; not part of login FA3312)
17:23	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:55	ZZZZZZ	1		
18:12	FA3324-5	1		(sample used for QC only; not part of login FA3312)
18:28	GN55042-CCV3	1		
18:45	GN55042-CCB2	1		
19:00	ZZZZZZ	1		
19:17	ZZZZZZ	10		
19:33	ZZZZZZ	2		
19:48	ZZZZZZ	1		
20:05	ZZZZZZ	50		
20:21	GP21361-S1	1		
20:37	GP21361-S2	1		
20:52	GP21361-S3	1		
21:09	GP21361-S4	1		
21:26	GN55042-CCV4	1		
21:42	GN55042-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313030401.TXT Date Analyzed: 04/03/13 Methods: EPA 300/SW846 9056A
Run ID: GN55042 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55042-CCV1	Chloride	50.3	2.0	0.80	50	100.6	90-110
GN55042-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55042-CCV1	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN55042-CCV2	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN55042-CCV2	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55042-CCV2	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN55042-CCB1	Chloride	0.80 U	2.0	0.80			
GN55042-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55042-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55042-CCV3	Chloride	50.5	2.0	0.80	50	101.0	90-110
GN55042-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55042-CCV3	Sulfate	53.2	2.0	0.60	50	106.4	90-110
GN55042-CCB2	Chloride	0.80 U	2.0	0.80			
GN55042-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55042-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55042-CCV4	Chloride	50.7	2.0	0.80	50	101.4	90-110
GN55042-CCV4	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55042-CCV4	Sulfate	53.2	2.0	0.60	50	106.4	90-110
GN55042-CCB3	Chloride	0.80 U	2.0	0.80			
GN55042-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55042-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213080401.TXT Date Analyzed: 04/08/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55132
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:03	GN55132-CCV1	1		
10:35	GP21409-MB1	1		
10:50	GP21409-B1	1		
11:38	ZZZZZZ	2		
11:54	FA3312-1	25		
12:10	FA3312-2	25		
12:26	FA3312-3	10		
12:41	FA3312-4	10		
12:57	ZZZZZZ	25		
14:05	GN55132-CCV2	1		
15:06	GN55132-CCB1	1		
15:22	GP21409-S1	25		
15:38	GP21409-S2	25		
15:53	GN55132-CCV3	1		
16:12	GN55132-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213080401.TXT Date Analyzed: 04/08/13 Methods: EPA 300/SW846 9056A
Run ID: GN55132 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55132-CCV1	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55132-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55132-CCB1	Fluoride	0.069	0.20	0.060			
GN55132-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55132-CCB2	Fluoride	0.065	0.20	0.060			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55187
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:32	GN55187-CCV1	1		
10:48	GP21424-MB1	1		
11:04	GP21424-B1	1		
12:07	ZZZZZZ	5		
12:23	ZZZZZZ	5		
12:39	ZZZZZZ	5		
13:27	GN55187-CCV2	1		
13:42	GN55187-CCB1	1		
13:58	ZZZZZZ	50		
14:14	ZZZZZZ	50		
14:30	ZZZZZZ	10		
14:46	ZZZZZZ	2		
15:02	ZZZZZZ	2		
15:34	ZZZZZZ	50		
15:50	ZZZZZZ	5		
16:05	ZZZZZZ	1000		
16:21	ZZZZZZ	2		
16:37	GN55187-CCV3	1		
16:53	GN55187-CCB2	1		
17:09	FA3312-3	50		
17:25	FA3312-4	50		
17:41	ZZZZZZ	5		
17:57	ZZZZZZ	1		
18:13	ZZZZZZ	1		
18:29	ZZZZZZ	1		
18:44	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:48	GN55187-CCV4	1		
20:04	GN55187-CCB3	1		
20:20	ZZZZZZ	1		
20:36	FA3401-1	1		(sample used for QC only; not part of login FA3312)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55187
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:52	ZZZZZZ	1		
21:07	FA3401-3	1		(sample used for QC only; not part of login FA3312)
21:23	ZZZZZZ	5		
21:39	ZZZZZZ	1		
21:55	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:27	ZZZZZZ	25		
22:43	ZZZZZZ	1		
22:59	GN55187-CCV5	1		
23:15	GN55187-CCB4	1		
23:30	GP21424-S1	1		
23:46	GP21424-S2	1		
00:02	GP21424-S3	1		
00:18	GP21424-S4	1		
00:34	GN55187-CCV6	1		
00:50	GP21425-MB1	1		
01:06	GP21425-B1	1		
02:09	FA3401-11	1		(sample used for QC only; not part of login FA3312)
02:25	ZZZZZZ	1		
02:41	ZZZZZZ	5		
02:57	ZZZZZZ	1		
03:13	ZZZZZZ	1		
03:29	GN55187-CCV7	1		
03:45	GN55187-CCB5	1		
04:01	ZZZZZZ	100		
04:17	GP21425-S1	1		
04:32	GP21425-S2	1		
04:48	GN55187-CCV8	1		
05:04	GN55187-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3312
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Run ID: GN55187 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55187-CCV1	Sulfate	51.4	2.0	0.60	50	102.8	90-110
GN55187-CCV2	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN55187-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV3	Sulfate	52.4	2.0	0.60	50	104.8	90-110
GN55187-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV4	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN55187-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV5	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN55187-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV6	Sulfate	51.6	2.0	0.60	50	103.2	90-110
GN55187-CCB6	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

04/23/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA3366

Sampling Dates: 04/02/13 - 04/03/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

Total number of pages in report: **85**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

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

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA3366

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
FA3366-1	04/02/13	13:50	TP	04/04/13	AQ	Ground Water	A-35-080
FA3366-1F	04/02/13	13:50	TP	04/04/13	AQ	Groundwater Filtered	A-35-080
FA3366-2	04/02/13	14:50	TP	04/04/13	AQ	Ground Water	A-36-105
FA3366-2F	04/02/13	14:50	TP	04/04/13	AQ	Groundwater Filtered	A-36-105
FA3366-3	04/03/13	11:03	TP	04/04/13	AQ	Ground Water	A-36-145
FA3366-3F	04/03/13	11:03	TP	04/04/13	AQ	Groundwater Filtered	A-36-145

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA3366

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 4/19/2013 4:51:12 PM

3 Sample(s) were collected on/between 04/02/2013 and 04/03/2013 and were received at Accutest SE on 04/04/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA3366. 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:** MP24960

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) FA3551-1DUP, FA3551-1MS, FA3551-1MSD, FA3551-1PS, FA3551-1SDL were used as the QC samples.

FA3366-2 for Antimony, Selenium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55055

All method blanks for this batch meet method specific criteria.

Sample(s) FA3366-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA3366-1, FA3366-2, FA3366-3. Samples received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21365

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) FA3169-16MS, FA3169-16MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA3366-1 for Nitrogen, Nitrate: Sample analyzed beyond hold time. Dilution required due to matrix interference.

FA3366-2 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21400

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) FA3362-1MS, FA3362-1MSD were used as the QC samples for Chloride, Sulfate, Nitrogen, Nitrate.

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

FA3366-3 for Nitrogen, Nitrate: Sample received near the end of hold time. Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21409

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) FA3312-1MSD, FA3312-1MS were used as the QC samples for Fluoride.

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

FA3366-1 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21476

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) FA3410-1MSD, FA3410-1MS were used as the QC samples for Fluoride.

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

FA3366-2, FA3366-3 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21364

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) FA3366-2FDUP, FA3366-2FMS were used as the QC samples for Phosphate, Ortho.

GP21364-S1 for Phosphate, Ortho: Spike recovery indicates possible matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix: AQ **Batch ID:** GP21398

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3312-1MS, FA3312-1MSD, FA3312-3DUP were used as the QC samples for Phosphorus, Total.

Matrix: AQ **Batch ID:** GP21501

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

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

Matrix: AQ **Batch ID:** GN55054

Sample(s) FA3366-1DUP was used as the QC sample for pH.

FA3366-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA3366-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA3366-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55167

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3367-1DUP, FA3367-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN55183

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3366-3DUP, FA3366-3MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55180

All method blanks for this batch meet method specific criteria.

Sample(s) FA3390-7DUP was used as the QC sample for Solids, Total Dissolved.

The following samples were run outside of holding time for method SM19 2540C: FA3366-1, FA3366-2. Exceeded holding time.

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

Narrative prepared by:

_____ Date: April 19, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA3366
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/02/13 thru 04/03/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3366-1	**A-35-080**					
Aluminum		0.0548 J	0.20	0.015	mg/l	SW846 6010C
Arsenic		0.0131	0.010	0.0025	mg/l	SW846 6010C
Calcium		448	1.0	0.050	mg/l	SW846 6010C
Iron		0.168 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		274	5.0	0.074	mg/l	SW846 6010C
Potassium		48.3	10	0.20	mg/l	SW846 6010C
Sodium		220	50	2.5	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		678	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		678	25	3.0	mg/l	SM19 2320B
Chloride		76.1	50	20	mg/l	EPA 300/SW846 9056A
Fluoride [a]		1.5 J	5.0	1.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		44.4	10	2.8	mg/l	EPA 365.3
Solids, Total Dissolved [b]		3790	2500	250	mg/l	SM19 2540C
Specific Conductivity [c]		4870	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1990	100	30	mg/l	EPA 300/SW846 9056A
pH [d]		6.54			su	SM 4500H B/SW 9040C
FA3366-1F	**A-35-080**					
Phosphate, Ortho		28.9	10	22	mg/l	EPA 365.3
FA3366-2	**A-36-105**					
Aluminum		0.700	0.20	0.015	mg/l	SW846 6010C
Cadmium		0.0201	0.0050	0.00050	mg/l	SW846 6010C
Calcium		396	1.0	0.050	mg/l	SW846 6010C
Chromium		0.0037 J	0.010	0.0020	mg/l	SW846 6010C
Iron		2.65	0.30	0.029	mg/l	SW846 6010C
Magnesium		438	5.0	0.074	mg/l	SW846 6010C
Potassium		38.7	10	0.20	mg/l	SW846 6010C
Sodium		203	40	2.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		173	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		173	5.0	0.60	mg/l	SM19 2320B
Chloride		76.1	50	20	mg/l	EPA 300/SW846 9056A
Fluoride [a]		2.1 J	5.0	1.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		0.45	0.20	0.056	mg/l	EPA 365.3
Solids, Total Dissolved [b]		5280	2500	250	mg/l	SM19 2540C
Specific Conductivity [c]		5070	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		3710	100	30	mg/l	EPA 300/SW846 9056A
pH [d]		6.05			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA3366
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/02/13 thru 04/03/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3366-2F	**A-36-105**					
Phosphate, Ortho		0.64	0.50	0.020	mg/l	EPA 365.3
FA3366-3	**A-36-145**					
Calcium		663	2.0	0.10	mg/l	SW846 6010C
Iron		1.29	0.30	0.029	mg/l	SW846 6010C
Magnesium		389	5.0	0.074	mg/l	SW846 6010C
Potassium		10.7	10	0.20	mg/l	SW846 6010C
Sodium		115	20	1.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		535	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		535	25	3.0	mg/l	SM19 2320B
Chloride		77.9	50	20	mg/l	EPA 300/SW846 9056A
Solids, Total Dissolved		4690	500	50	mg/l	SM19 2540C
Specific Conductivity [c]		4330	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		2680	100	30	mg/l	EPA 300/SW846 9056A
pH [d]		6.87			su	SM 4500H B/SW 9040C
FA3366-3F	**A-36-145**					
Phosphate, Ortho		0.11 J	0.20	0.020	mg/l	EPA 365.3

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-35-080		
Lab Sample ID:	FA3366-1	**Date Sampled:**	04/02/13
Matrix:	AQ - Ground Water	**Date Received:**	04/04/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0548 J	0.20	0.015	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0131	0.010	0.0025	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	448	1.0	0.050	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.168 J	0.30	0.029	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	274	5.0	0.074	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	48.3	10	0.20	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	220	50	2.5	mg/l	5	04/15/13	04/16/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10676
(2) Instrument QC Batch: MA10680
(3) Prep QC Batch: MP24960

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-35-080		
Lab Sample ID:	FA3366-1	**Date Sampled:**	04/02/13
Matrix:	AQ - Ground Water	**Date Received:**	04/04/13
		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	678	5.0	5.0	mg/l	1	04/11/13 09:45	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/11/13 09:45	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	678	25	3.0	mg/l	1	04/11/13 09:45	LE	SM19 2320B
Chloride	76.1	50	20	mg/l	25	04/04/13 14:46	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 J	5.0	1.5	mg/l	25	04/08/13 12:57	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	1.3 U	2.5	1.3	mg/l	25	04/04/13 14:46	AA	EPA 300/SW846 9056A
Phosphorus, Total	44.4	10	2.8	mg/l	100	04/19/13 14:50	LE	EPA 365.3
Solids, Total Dissolved [c]	3790	2500	250	mg/l	5	04/10/13 16:50	KC	SM19 2540C
Specific Conductivity [d]	4870	1.0	1.0	umhos/cm	1	04/04/13 12:40	AA	EPA 120.1
Sulfate	1990	100	30	mg/l	50	04/09/13 14:14	AA	EPA 300/SW846 9056A
pH [e]	6.54			su	1	04/04/13 13:30	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) Exceeded holding time.
(d) Sample received outside the holding 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-35-080		
Lab Sample ID:	FA3366-1F	**Date Sampled:**	04/02/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/04/13
		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	28.9	10	22	mg/l	100	04/04/13 13:10	AC	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-36-105		
Lab Sample ID:	FA3366-2	**Date Sampled:**	04/02/13
Matrix:	AQ - Ground Water	**Date Received:**	04/04/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.700	0.20	0.015	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.033 U	0.15	0.033	mg/l	25	04/15/13	04/16/13	LM	SW846 6010C [2]	SW846 3010A [3]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.0201	0.0050	0.00050	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	396	1.0	0.050	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0037 J	0.010	0.0020	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	2.65	0.30	0.029	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	438	5.0	0.074	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	38.7	10	0.20	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.050 U	0.25	0.050	mg/l	25	04/15/13	04/16/13	LM	SW846 6010C [2]	SW846 3010A [3]
Sodium	203	40	2.0	mg/l	4	04/15/13	04/16/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10676
(2) Instrument QC Batch: MA10680
(3) Prep QC Batch: MP24960

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-36-105		
Lab Sample ID:	FA3366-2	**Date Sampled:**	04/02/13
Matrix:	AQ - Ground Water	**Date Received:**	04/04/13
		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	173	5.0	5.0	mg/l	1	04/10/13 09:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/10/13 09:00	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	173	5.0	0.60	mg/l	1	04/10/13 09:00	HH	SM19 2320B
Chloride	76.1	50	20	mg/l	25	04/04/13 14:30	AA	EPA 300/SW846 9056A
Fluoride [a]	2.1 J	5.0	1.5	mg/l	25	04/11/13 11:21	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	1.3 U	2.5	1.3	mg/l	25	04/04/13 14:30	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.45	0.20	0.056	mg/l	2	04/08/13 09:50	LE	EPA 365.3
Solids, Total Dissolved [b]	5280	2500	250	mg/l	5	04/10/13 16:50	KC	SM19 2540C
Specific Conductivity [c]	5070	1.0	1.0	umhos/cm	1	04/04/13 12:40	AA	EPA 120.1
Sulfate	3710	100	30	mg/l	50	04/09/13 13:58	AA	EPA 300/SW846 9056A
pH [d]	6.05			su	1	04/04/13 13:30	AA	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Exceeded 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-36-105		
Lab Sample ID:	FA3366-2F	**Date Sampled:**	04/02/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/04/13
		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	0.64	0.50	0.020	mg/l	5	04/04/13 13:10	AC	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-36-145		
Lab Sample ID:	FA3366-3	**Date Sampled:**	04/03/13
Matrix:	AQ - Ground Water	**Date Received:**	04/04/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.015 U	0.20	0.015	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0026 U	0.012	0.0026	mg/l	2	04/15/13	04/16/13	LM	SW846 6010C [2]	SW846 3010A [3]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.0010 U	0.010	0.0010	mg/l	2	04/15/13	04/16/13	LM	SW846 6010C [2]	SW846 3010A [3]
Calcium	663	2.0	0.10	mg/l	2	04/15/13	04/16/13	LM	SW846 6010C [2]	SW846 3010A [3]
Chromium	0.0040 U	0.020	0.0040	mg/l	2	04/15/13	04/16/13	LM	SW846 6010C [2]	SW846 3010A [3]
Iron	1.29	0.30	0.029	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	389	5.0	0.074	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	10.7	10	0.20	mg/l	1	04/15/13	04/15/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0040 U	0.020	0.0040	mg/l	2	04/15/13	04/16/13	LM	SW846 6010C [2]	SW846 3010A [3]
Sodium	115	20	1.0	mg/l	2	04/15/13	04/16/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10676
(2) Instrument QC Batch: MA10680
(3) Prep QC Batch: MP24960

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-36-145		
Lab Sample ID:	FA3366-3	**Date Sampled:**	04/03/13
Matrix:	AQ - Ground Water	**Date Received:**	04/04/13
		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	535	5.0	5.0	mg/l	1	04/11/13 09:45	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/11/13 09:45	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	535	25	3.0	mg/l	1	04/11/13 09:45	LE	SM19 2320B
Chloride	77.9	50	20	mg/l	25	04/06/13 00:48	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	04/11/13 11:36	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	1.3 U	2.5	1.3	mg/l	25	04/06/13 00:48	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	04/08/13 09:50	LE	EPA 365.3
Solids, Total Dissolved	4690	500	50	mg/l	5	04/10/13 16:50	KC	SM19 2540C
Specific Conductivity [c]	4330	1.0	1.0	umhos/cm	1	04/04/13 12:40	AA	EPA 120.1
Sulfate	2680	100	30	mg/l	50	04/09/13 15:34	AA	EPA 300/SW846 9056A
pH [d]	6.87			su	1	04/04/13 13:30	AA	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample received near the end of 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-36-145		
Lab Sample ID:	FA3366-3F	**Date Sampled:**	04/03/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/04/13
		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	0.11 J	0.20	0.020	mg/l	2	04/04/13 13:10	AC	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA 3366 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

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

Project Information

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

Analytical Information

SEE ATTACHED

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	SEE ATTACHED	LAB USE ONLY
1	A-35-080	04/02/13	1350	TP	GW	4		X			X	X				X	
2	A-36-105	04/02/13	1450					X			X	X				X	
3	A-36-145	04/02/13	1103					X			X	X				X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

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

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 TP	040313 1215	2 RP	3 RP 040413	0715	4 RWilliams
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

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FA3366: Chain of Custody
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ACCUTEST LABORATORIES FA3366

FA3366: Chain of Custody
Page 2 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

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

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

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

FA 3366

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA3366 CLIENT: WSP PROJECT: Atrium

DATE/TIME RECEIVED: 04-04-13 915 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3228 2720

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 Willm 04-04-13 REVIEWER SIGNATURE/DATE 4-4-13

NF 12/10

receipt confirmation 122910.xls

5.1 5

FA3366: Chain of Custody
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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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10676
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:34	MA10676-STD1	1		STDA
09:38	MA10676-STD2	1		STDB
09:41	MA10676-STD3	1		STDC
09:44	MA10676-STD4	1		STDD
09:55	MA10676-HSTD1	1		
10:02	MA10676-ICV1	1		
10:11	MA10676-ICB1	1		
10:15	MA10676-CRIA1	1		
10:22	MA10676-ICSA1	1		
10:28	MA10676-ICSAB1	1		
10:36	MA10676-CCV1	1		
10:43	MA10676-CCB1	1		
10:48	MP24948-S1	2		
10:52	MP24948-S2	2		
10:56	ZZZZZZ	2		
11:00	ZZZZZZ	4		
11:04	ZZZZZZ	2		
11:08	ZZZZZZ	2		
11:12	ZZZZZZ	4		
11:16	ZZZZZZ	4		
11:21	ZZZZZZ	4		
11:25	ZZZZZZ	4		
11:29	MA10676-CCV2	1		
11:33	MA10676-CCB2	1		
11:58	MA10676-CCV3	1		
12:05	MA10676-CCB3	1		
12:09	ZZZZZZ	4		
12:13	ZZZZZZ	4		
12:17	ZZZZZZ	2		
12:21	ZZZZZZ	2		
12:25	ZZZZZZ	4		
12:30	ZZZZZZ	5		
12:34	ZZZZZZ	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10676
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:38	FA3531-1	4		(sample used for QC only; not part of login FA3366)
12:42	MP24952-D1	4		
12:46	MP24952-S1	4		
12:50	MA10676-CCV4	1		
12:54	MA10676-CCB4	1		
12:59	MP24952-S2	4		
13:03	MP24952-PS1	4		
13:07	MP24952-SD1	20		
13:11	ZZZZZZ	10		
13:15	ZZZZZZ	4		
13:19	ZZZZZZ	10		
13:27	MP24960-B1	1		
13:31	FA3551-1	1		(sample used for QC only; not part of login FA3366)
13:35	MP24960-D1	1		
13:39	MA10676-CCV5	1		
13:43	MA10676-CCB5	1		
13:47	MP24960-SD1	5		
13:52	MP24960-PS1	1		
13:56	MP24960-S1	1		
14:00	MP24960-S2	1		
14:08	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:28	MA10676-CCV6	1		
14:32	MA10676-CCB6	1		
14:37	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:53	FA3366-1	1		
14:57	FA3366-2	1		
15:02	FA3366-3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10676
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	15:06	ZZZZZZ	1		
	15:10	ZZZZZZ	1		
	15:14	ZZZZZZ	1		
	15:18	MA10676-CCV7	1		
	15:22	MA10676-CCB7	1		
	15:27	ZZZZZZ	1		
	15:31	ZZZZZZ	1		
	15:35	ZZZZZZ	1		
	15:39	ZZZZZZ	1		
	15:43	ZZZZZZ	1		
	15:47	MP24960-MB1	1		
---------->	Last reportable sample/prep for job FA3366				
	15:51	MP24961-MB1	1		
	15:56	MP24961-B1	1		
	15:59	FA3604-1L	1		(sample used for QC only; not part of login FA3366)
	16:04	MP24961-D1	1		
	16:08	MA10676-CCV8	1		
	16:12	MA10676-CCB8	1		
	16:16	MP24961-SD1	5		
	16:20	MP24961-S1	1		
	16:25	MP24961-S2	1		
	16:29	ZZZZZZ	1		
	16:33	ZZZZZZ	1		
	16:37	ZZZZZZ	1		
	16:41	ZZZZZZ	1		
	16:46	ZZZZZZ	1		
	16:50	ZZZZZZ	1		
	16:54	ZZZZZZ	1		
	16:59	MA10676-CCV9	1		
	17:03	MA10676-CCB9	1		
	17:07	ZZZZZZ	1		
	17:11	MP24961-MB2	1		
	15:15	MP24961-B2	1		
	17:19	MP24961-MB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10676
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:24	MP24961-B3	1		
17:28	MA10676-CRIA2	1		
17:32	MA10676-ICSA2	1		
17:36	MA10676-ICSAB2	1		
17:40	MA10676-CCV10	1		
17:45	MA10676-CCB10	1		

----------> Last reportable CCB for job FA3366
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10676
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:34	MA10676-STD1	6886	37967	4406	2941
09:38	MA10676-STD2	6679	36808	4750	2666
09:41	MA10676-STD3	6426	35795	4667	2362
09:44	MA10676-STD4	6177	34438	4558	2128
09:55	MA10676-HSTD1	6199	34559	4669	2147
10:02	MA10676-ICV1	6491	35444	4656	2374
10:11	MA10676-ICB1	6709 R	37192 R	4639 R	2842 R
10:15	MA10676-CRIA1	6672	36373	4597	2746
10:22	MA10676-ICSA1	6008	32368	4621	2110
10:28	MA10676-ICSAB1	6092	32986	4677	2098
10:36	MA10676-CCV1	6381	35862	4753	2366
10:43	MA10676-CCB1	6718	36993	4672	2853
10:48	MP24948-S1	8569 !	47115 !	6187 !	2686
10:52	MP24948-S2	7995	44374	5839 !	2675
10:56	ZZZZZZ	8351	46510 !	6055 !	2824
11:00	ZZZZZZ	7512	42001	5560	2610
11:04	ZZZZZZ	8468 !	47254 !	6342 !	2550
11:08	ZZZZZZ	8514 !	47284 !	6365 !	2629
11:12	ZZZZZZ	7898	43737	5924 !	2588
11:16	ZZZZZZ	7763	42680	5713	2674
11:21	ZZZZZZ	7661	42266	5725	2639
11:25	ZZZZZZ	7632	42159	5603	2723
11:29	MA10676-CCV2	6231	34648	4652	2352
11:33	MA10676-CCB2	6711	37168	4837	2929
11:58	MA10676-CCV3	6428	35859	4807	2426
12:05	MA10676-CCB3	6647	36707	4773	2904
12:09	ZZZZZZ	7754	42124	5704	2673
12:13	ZZZZZZ	7752	42803	5688	2705
12:17	ZZZZZZ	8361	46032	6153 !	2578
12:21	ZZZZZZ	8429 !	46306	6217 !	2638
12:25	ZZZZZZ	6357	35452	4862	2587
12:30	ZZZZZZ	6598	36536	4773	2742
12:34	ZZZZZZ	6675	37108	4738	2793

INTERNAL STANDARD SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10676
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:38	FA3531-1	6586	36703	4905	2742
12:42	MP24952-D1	6457	36057	4768	2677
12:46	MP24952-S1	6694	36627	4801	2648
12:50	MA10676-CCV4	6340	35099	4702	2370
12:54	MA10676-CCB4	6785	37293	4919	2963
12:59	MP24952-S2	6592	36329	4804	2631
13:03	MP24952-PS1	6695	37305	4927	2737
13:07	MP24952-SD1	6680	37154	4766	2852
13:11	ZZZZZZ	6453	35704	4807	2669
13:15	ZZZZZZ	6444	36043	4852	2746
13:19	ZZZZZZ	6610	36183	4913	2715
13:27	MP24960-B1	6471	35601	4794	2573
13:31	FA3551-1	6452	35945	4859	2683
13:35	MP24960-D1	6547	36399	4801	2706
13:39	MA10676-CCV5	6599	36699	4945	2453
13:43	MA10676-CCB5	6552	36187	4742	2840
13:47	MP24960-SD1	6620	36664	4825	2830
13:52	MP24960-PS1	6601	36741	4924	2681
13:56	MP24960-S1	6482	35403	4756	2456
14:00	MP24960-S2	6505	35642	4784	2488
14:08	ZZZZZZ	6579	36388	4814	2750
14:12	ZZZZZZ	6736	36831	4901	2823
14:20	ZZZZZZ	6518	36016	4851	2737
14:24	ZZZZZZ	6719	37330	4981	2848
14:28	MA10676-CCV6	6308	34973	4661	2328
14:32	MA10676-CCB6	6660	36815	4733	2851
14:37	ZZZZZZ	6592	36585	4866	2793
14:41	ZZZZZZ	6523	35859	4886	2710
14:45	ZZZZZZ	6330	34987	4724	2567
14:49	ZZZZZZ	6707	36702	4916	2654
14:53	FA3366-1	5587	30676	4444	2104
14:57	FA3366-2	6535	35721	5313	2137
15:02	FA3366-3	5418	30169	4486	2118

INTERNAL STANDARD SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10676
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:06	ZZZZZZ	6370	35241	4763	2545
15:10	ZZZZZZ	6442	35854	4815	2663
15:14	ZZZZZZ	6326	35024	4803	2565
15:18	MA10676-CCV7	6115	33998	4664	2351
15:22	MA10676-CCB7	6592	36535	4728	2858
15:27	ZZZZZZ	6702	37029	4948	2692
15:31	ZZZZZZ	6508	36362	4878	2702
15:35	ZZZZZZ	6593	36582	4849	2650
15:39	ZZZZZZ	6528	36209	4777	2700
15:43	ZZZZZZ	6870	38188	5113	2685
15:47	MP24960-MB1	6739	37492	4860	2932
15:51	MP24961-MB1	6672	37246	4853	2867
15:56	MP24961-B1	6755	37333	4991	2639
15:59	FA3604-1L	6365	34925	4840	2510
16:04	MP24961-D1	6235	34025	4777	2480
16:08	MA10676-CCV8	6396	35607	4766	2389
16:12	MA10676-CCB8	6629	36713	4762	2863
16:16	MP24961-SD1	6554	36265	4837	2758
16:20	MP24961-S1	6236	34424	4728	2380
16:25	MP24961-S2	6188	34055	4700	2348
16:29	ZZZZZZ	6183	34015	4691	2480
16:33	ZZZZZZ	6122	33565	4763	2473
16:37	ZZZZZZ	6161	33879	4654	2495
16:41	ZZZZZZ	6193	33947	4661	2476
16:46	ZZZZZZ	6178	33951	4665	2480
16:50	ZZZZZZ	6240	34264	4806	2528
16:54	ZZZZZZ	6160	33954	4707	2496
16:59	MA10676-CCV9	6217	34603	4678	2331
17:03	MA10676-CCB9	6639	36730	4750	2877
17:07	ZZZZZZ	6166	33833	4756	2456
17:11	MP24961-MB2	6168	33829	4716	2489
17:15	MP24961-B2	6258	34570	4724	2409
17:19	MP24961-MB3	6256	34678	4773	2522

INTERNAL STANDARD SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10676
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:24	MP24961-B3	6139	33733	4679	2362
17:28	MA10676-CRIA2	6588	36416	4780	2771
17:32	MA10676-ICSA2	5852	31750	4544	2082
17:36	MA10676-ICSAB2	5885	31775	4810	2062
17:40	MA10676-CCV10	6267	34885	4750	2366
17:45	MA10676-CCB10	6756	37480	4820	2919

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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10676 Units: ug/l

Time:			10:11		10:43		11:33		12:05	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.5	<200	-14	<200	-3.9	<200	11.8	<200
Antimony	6.0	1.3	0.50	<6.0	-0.30	<6.0	-0.60	<6.0	0.20	<6.0
Arsenic	10	1.6	0.20	<10	-0.30	<10	0.50	<10	0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.10	<5.0	0.20	<5.0
Calcium	1000	50	3.9	<1000	13.9	<1000	9.5	<1000	6.0	<1000
Chromium	10	1.8	0.40	<10	0.30	<10	0.60	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	2.5	<300	7.9	<300	7.7	<300	7.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	6.3	<5000	10.5	<5000	16.2	<5000	9.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	30.0	<10000	20.5	<10000	25.4	<10000	61.8	<10000
Selenium	10	2	0.0	<10	-0.40	<10	-0.60	<10	-1.8	<10
Silver	10	.5	anr							
Sodium	10000	500	34.8	<10000	36.5	<10000	48.6	<10000	29.9	<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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10676 Units: ug/l

Time:			12:54		13:43		14:32		15:22	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.8	<200	8.7	<200	6.9	<200	6.8	<200
Antimony	6.0	1.3	-0.30	<6.0	0.20	<6.0	0.20	<6.0	0.30	<6.0
Arsenic	10	1.6	0.10	<10	-0.70	<10	-0.30	<10	-0.60	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	5.9	<1000	6.4	<1000	4.6	<1000	5.2	<1000
Chromium	10	1.8	0.20	<10	0.20	<10	0.10	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	6.6	<300	7.7	<300	6.4	<300	6.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-4.7	<5000	6.7	<5000	12.0	<5000	7.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	50.2	<10000	58.5	<10000	60.0	<10000	58.2	<10000
Selenium	10	2	-0.60	<10	-0.10	<10	-0.90	<10	-1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	35.7	<10000	42.3	<10000	36.5	<10000	54.3	<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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10676 Units: ug/l

Time:			16:12		17:03		17:45	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	6.1	<200	8.1	<200	16.3	<200
Antimony	6.0	1.3	0.20	<6.0	0.10	<6.0	0.0	<6.0
Arsenic	10	1.6	-0.30	<10	-0.20	<10	-0.30	<10
Barium	200	1	anr					
Beryllium	4.0	.5						
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	16.4	<1000	16.1	<1000	25.5	<1000
Chromium	10	1.8	0.40	<10	0.40	<10	0.10	<10
Cobalt	50	.5						
Copper	25	1	anr					
Iron	300	29	7.3	<300	8.4	<300	13.6	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	-2.8	<5000	10.9	<5000	11.2	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5						
Potassium	10000	200	74.0	<10000	39.7	<10000	22.3	<10000
Selenium	10	2	-0.50	<10	-0.90	<10	-1.2	<10
Silver	10	.5	anr					
Sodium	10000	500	93.2	<10000	129	<10000	90.1	<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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10676 Units: ug/l

Time:		10:02			10:36			11:29	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	40500	101.3	40000	41200	103.0
Antimony	2000	1940	97.0	2000	2090	104.5	2000	2130	106.5
Arsenic	2000	1940	97.0	2000	2070	103.5	2000	2110	105.5
Barium	anr								
Beryllium									
Cadmium	2000	1980	99.0	2000	2080	104.0	2000	2110	105.5
Calcium	40000	40300	100.8	40000	40500	101.3	40000	41100	102.8
Chromium	2000	2010	100.5	2000	2070	103.5	2000	2130	106.5
Cobalt									
Copper	anr								
Iron	40000	39400	98.5	40000	40700	101.8	40000	41600	104.0
Lead	anr								
Magnesium	40000	38000	95.0	40000	40400	101.0	40000	41400	103.5
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	39500	98.8	40000	40500	101.3	40000	41700	104.3
Selenium	2000	1970	98.5	2000	2090	104.5	2000	2120	106.0
Silver	anr								
Sodium	40000	40100	100.3	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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10676 Units: ug/l

Time:		11:58			12:50			13:39	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38900	97.3	40000	40400	101.0	40000	38400	96.0
Antimony	2000	1980	99.0	2000	2000	100.0	2000	1920	96.0
Arsenic	2000	1980	99.0	2000	2010	100.5	2000	1920	96.0
Barium	anr								
Beryllium									
Cadmium	2000	2000	100.0	2000	2060	103.0	2000	1970	98.5
Calcium	40000	39200	98.0	40000	40700	101.8	40000	38700	96.8
Chromium	2000	1980	99.0	2000	2070	103.5	2000	1960	98.0
Cobalt									
Copper	anr								
Iron	40000	39600	99.0	40000	40100	100.3	40000	38300	95.8
Lead	anr								
Magnesium	40000	39500	98.8	40000	40200	100.5	40000	38200	95.5
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	38900	97.3	40000	39800	99.5	40000	37800	94.5
Selenium	2000	1980	99.0	2000	2020	101.0	2000	1930	96.5
Silver	anr								
Sodium	40000	39100	97.8	40000	40600	101.5	40000	38700	96.8
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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10676 Units: ug/l

Time:		14:28			15:18			16:08	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40400	101.0	40000	39600	99.0
Antimony	2000	2030	101.5	2000	2110	105.5	2000	2000	100.0
Arsenic	2000	2020	101.0	2000	2080	104.0	2000	1990	99.5
Barium	anr								
Beryllium									
Cadmium	2000	2080	104.0	2000	2080	104.0	2000	2020	101.0
Calcium	40000	41200	103.0	40000	40700	101.8	40000	39800	99.5
Chromium	2000	2060	103.0	2000	2080	104.0	2000	2010	100.5
Cobalt									
Copper	anr								
Iron	40000	41000	102.5	40000	41700	104.3	40000	40100	100.3
Lead	anr								
Magnesium	40000	40800	102.0	40000	41200	103.0	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	40200	100.5	40000	40800	102.0	40000	39200	98.0
Selenium	2000	2030	101.5	2000	2100	105.0	2000	2000	100.0
Silver	anr								
Sodium	40000	41000	102.5	40000	40300	100.8	40000	39500	98.8
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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10676 Units: ug/l

Time:		16:59			17:40	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	40400	101.0
Antimony	2000	2060	103.0	2000	2070	103.5
Arsenic	2000	2060	103.0	2000	2060	103.0
Barium	anr					
Beryllium						
Cadmium	2000	2100	105.0	2000	2080	104.0
Calcium	40000	41000	102.5	40000	40800	102.0
Chromium	2000	2080	104.0	2000	2080	104.0
Cobalt						
Copper	anr					
Iron	40000	41300	103.3	40000	41200	103.0
Lead	anr					
Magnesium	40000	40900	102.3	40000	40800	102.0
Manganese	anr					
Molybdenum						
Nickel						
Potassium	40000	40200	100.5	40000	40200	100.5
Selenium	2000	2070	103.5	2000	2080	104.0
Silver	anr					
Sodium	40000	40500	101.3	40000	40100	100.3
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10676 Units: ug/l

Time:		09:55	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	78400	98.0
Antimony	4000	3940	98.5
Arsenic	4000	3930	98.3
Barium	anr		
Beryllium			
Cadmium	4000	3890	97.3
Calcium	80000	77900	97.4
Chromium	4000	3900	97.5
Cobalt			
Copper	anr		
Iron	80000	77900	97.4
Lead	anr		
Magnesium	80000	77700	97.1
Manganese	anr		
Molybdenum			
Nickel			
Potassium	80000	79000	98.8
Selenium	4000	3930	98.3
Silver	anr		
Sodium	80000	78100	97.6
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10676 Units: ug/l

Time:			10:15		17:28	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	201	100.5	196	98.0
Antimony	10	5.0	5.5	110.0	5.7	114.0
Arsenic	20	10	10.6	106.0	10.1	101.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.3	106.0	5.2	104.0
Calcium	2000	1000	1060	106.0	1040	104.0
Chromium	20	10	11.0	110.0	10.4	104.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	338	112.7	335	111.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5170	103.4	5060	101.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000	9960	99.6	9760	97.6
Selenium	20	10	9.2	92.0	8.4	84.0
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	10000	100.0
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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041513M1.ICP Date Analyzed: 04/15/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10676 Units: ug/l

Time:			10:22		10:28		17:32		17:36	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	494000	98.8	467000	93.4	497000	99.4	456000	91.2
Antimony		1000	-1.1		958	95.8	0.70		967	96.7
Arsenic		1000	0.80		980	98.0	-1.4		990	99.0
Barium		500	-0.10		481	96.2	0.10		467	93.4
Beryllium		500	0.0		458	91.6	-0.10		440	88.0
Cadmium		1000	0.0		861	86.1	0.0		884	88.4
Calcium	500000	500000	465000	93.0	448000	89.6	468000	93.6	435000	87.0
Chromium		500	-0.10		447	89.4	-0.70		456	91.2
Cobalt		500	0.30		425	85.0	0.30		435	87.0
Copper		500	-0.10		483	96.6	1.0		488	97.6
Iron	200000	200000	184000	92.0	179000	89.5	185000	92.5	173000	86.5
Lead		1000	1.0		869	86.9	-3.1		901	90.1
Magnesium	500000	500000	458000	91.6	450000	90.0	461000	92.2	437000	87.4
Manganese		500	-0.50		459	91.8	-0.40		473	94.6
Molybdenum		1000	0.20		873	87.3	0.40		880	88.0
Nickel		1000	0.30		845	84.5	0.80		856	85.6
Potassium			82.6		90.5		137		79.3	
Selenium		1000	0.70		924	92.4	-2.0		938	93.8
Silver		1000	0.0		978	97.8	0.20		1000	100.0
Sodium			138		179		455		327	
Strontium		1000	11.9		974	97.4	11.8		946	94.6
Thallium		1000	0.90		886	88.6	1.0		908	90.8
Tin		1000	-0.90		857	85.7	-0.30		872	87.2
Titanium		1000	-2.7		961	96.1	-2.4		983	98.3
Vanadium		500	-0.50		452	90.4	-0.60		460	92.0
Zinc		1000	1.8		863	86.3	1.9		876	87.6

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:04	MA10680-STD1	1		STDA
07:08	MA10680-STD2	1		STDB
07:11	MA10680-STD3	1		STDC
07:15	MA10680-STD4	1		STDD
07:19	MA10680-HSTD1	1		
07:27	MA10680-ICV1	1		
07:37	MA10680-ICB1	1		
07:44	MA10680-CRIA1	1		
07:54	MA10680-ICSA1	1		
08:00	MA10680-ICSAB1	1		
08:09	MA10680-CCV1	1		
08:17	MA10680-CCB1	1		
08:24	MP24964-MB1	1		
08:28	MP24964-B1	1		
08:32	FA3409-1	1		(sample used for QC only; not part of login FA3366)
08:36	MP24964-D1	1		
08:40	MP24964-SD1	5		
08:44	MP24964-PS1	1		
08:48	MP24964-S1	1		
08:52	MP24964-S2	1		
08:56	ZZZZZZ	1		
09:00	ZZZZZZ	1		
09:04	MA10680-CCV2	1		
09:08	MA10680-CCB2	1		
09:12	ZZZZZZ	1		
09:16	ZZZZZZ	1		
09:20	ZZZZZZ	1		
09:24	ZZZZZZ	1		
09:29	ZZZZZZ	1		
09:33	ZZZZZZ	1		
09:37	ZZZZZZ	1		
09:41	ZZZZZZ	1		
09:45	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:50	ZZZZZZ	1		
09:54	MA10680-CCV3	1		
09:58	MA10680-CCB3	1		
10:02	ZZZZZZ	1		
10:10	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:32	FA3366-1	5		
10:36	FA3366-2	4		
10:42	FA3366-2	25		
10:47	MA10680-CCV4	1		
10:51	MA10680-CCB4	1		
10:55	FA3366-3	2		
---------->	Last reportable sample/prep for job FA3366			
10:59	MP24967-MB1	1		
11:03	MP24967-B1	1		
11:07	FA1093-3T	1		(sample used for QC only; not part of login FA3366)
11:11	MP24967-D1	1		
11:15	MP24967-SD1	5		
11:20	MP24967-S1	1		
11:24	MP24967-S2	1		
11:28	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:36	MA10680-CCV5	1		
11:40	MA10680-CCB5	1		
11:44	ZZZZZZ	1		
11:49	MP24967-D2	1		
11:53	MP24967-MB2	1		
11:57	MP24967-B2	1		
12:13	MA10680-CCV6	1		
12:19	MA10680-CCB6	1		
12:24	MP24968-MB1	1		
12:28	MP24968-B1	1		
12:32	FA3550-1	1		(sample used for QC only; not part of login FA3366)
12:36	MP24968-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:40	MP24968-SD1	5		
12:44	MP24968-PS1	1		
12:49	MP24968-S1	1		
12:52	MP24968-S2	1		
12:56	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:05	MA10680-CCV7	1		
13:09	MA10680-CCB7	1		
13:13	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:47	MP24970-MB1	1		
13:52	MP24970-B1	1		
13:55	MA10680-CCV8	1		
14:00	MA10680-CCB8	1		
14:04	FA3413-1	1		(sample used for QC only; not part of login FA3366)
14:08	MP24970-D1	1		
14:12	MP24970-SD1	5		
14:16	MP24970-PS1	1		
14:20	MP24970-S1	1		
14:24	MP24970-S2	1		
14:28	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:45	MA10680-CCV9	1		
14:49	MA10680-CCB9	1		
14:53	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:57	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:34	MA10680-CCV10	1		
15:38	MA10680-CCB10	1		
15:42	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:59	MP24970-MB2A	1		
16:03	MP24970-MB3A	1		
16:07	MA10680-CRIA2	1		
16:11	MA10680-ICSA2	1		
16:15	MA10680-ICSAB2	1		
16:19	MA10680-CCV11	1		
16:24	MA10680-CCB11	1		

----------> Last reportable CCB for job FA3366
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:04	MA10680-STD1	7284	36676	5428	2994
07:08	MA10680-STD2	7141	35775	5462	2783
07:11	MA10680-STD3	6831	34682	5373	2482
07:15	MA10680-STD4	6567	33966	5291	2228
07:19	MA10680-HSTD1	6647	34033	5429	2254
07:27	MA10680-ICV1	6915	34996	5448	2506
07:37	MA10680-ICB1	7350 R	36787 R	5490 R	3000 R
07:44	MA10680-CRIA1	7357	36951	5548	2903
07:54	MA10680-ICSA1	6423	31413	5278	2221
08:00	MA10680-ICSAB1	6337	31260	5173	2141
08:09	MA10680-CCV1	6991	35014	5425	2484
08:17	MA10680-CCB1	7328	36688	5430	2983
08:24	MP24964-MB1	7387	37288	5616	2978
08:28	MP24964-B1	7077	35386	5483	2635
08:32	FA3409-1	7311	36775	5688	2762
08:36	MP24964-D1	7262	36515	5648	2753
08:40	MP24964-SD1	7342	37042	5530	2927
08:44	MP24964-PS1	7304	36385	5650	2701
08:48	MP24964-S1	7175	35633	5546	2559
08:52	MP24964-S2	7192	35894	5617	2565
08:56	ZZZZZZ	6888	34265	5430	2582
09:00	ZZZZZZ	7083	35612	5460	2710
09:04	MA10680-CCV2	6840	34602	5427	2501
09:08	MA10680-CCB2	7327	36781	5503	3028
09:12	ZZZZZZ	7676	38731	6060	2610
09:16	ZZZZZZ	7558	38163	5957	2608
09:20	ZZZZZZ	7823	39433	6139	2661
09:24	ZZZZZZ	6991	35134	5382	2747
09:29	ZZZZZZ	7297	36648	5686	2803
09:33	ZZZZZZ	6953	34915	5423	2670
09:37	ZZZZZZ	7130	36249	5554	2888
09:41	ZZZZZZ	6440	32766	5237	2454
09:45	ZZZZZZ	6272	31822	5194	2299

INTERNAL STANDARD SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:50	ZZZZZZ	7309	36725	5435	2987
09:54	MA10680-CCV3	6934	34767	5394	2508
09:58	MA10680-CCB3	7283	36417	5473	2997
10:02	ZZZZZZ	6920	34657	5471	2522
10:10	ZZZZZZ	8037	39867	6213	2658
10:27	ZZZZZZ	6997	34183	5816	2152
10:32	FA3366-1	6903	34373	5322	2625
10:36	FA3366-2	7072	35185	5517	2559
10:42	FA3366-2	7288	36221	5442	2885
10:47	MA10680-CCV4	6879	34481	5371	2504
10:51	MA10680-CCB4	7304	36340	5420	3007
10:55	FA3366-3	6518	32844	5269	2421
10:59	MP24967-MB1	7394	36868	5454	2998
11:03	MP24967-B1	7072	35115	5388	2638
11:07	FA1093-3T	7424	37092	5921	2315
11:11	MP24967-D1	7452	37529	6004	2325
11:15	MP24967-SD1	7227	36303	5610	2714
11:20	MP24967-S1	7332	36960	5914	2240
11:24	MP24967-S2	7404	37216	5935	2256
11:28	ZZZZZZ	6516	32503	5118	2398
11:32	ZZZZZZ	6764	33246	5378	2254
11:36	MA10680-CCV5	6974	34685	5243	2486
11:40	MA10680-CCB5	7382	36610	5380	3009
11:44	ZZZZZZ	7072	34698	5566	2329
11:49	MP24967-D2	7652	38777	6160	2347
11:53	MP24967-MB2	7475	37307	5384	3035
11:57	MP24967-B2	7145	35547	5338	2675
12:13	MA10680-CCV6	6969	34636	5269	2459
12:19	MA10680-CCB6	7352	36384	5325	2989
12:24	MP24968-MB1	7337	35978	5434	2962
12:28	MP24968-B1	6834	34090	5166	2574
12:32	FA3550-1	7318	35505	5213	2794
12:36	MP24968-D1	7579	37243	5363	2900

INTERNAL STANDARD SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:40	MP24968-SD1	7388	36439	5353	2924
12:44	MP24968-PS1	7151	36291	5244	2657
12:49	MP24968-S1	7058	34689	5251	2554
12:52	MP24968-S2	7086	34776	5237	2577
12:56	ZZZZZZ	6978	34930	5381	2425
13:01	ZZZZZZ	7034	34930	5386	2523
13:05	MA10680-CCV7	7004	35251	5352	2531
13:09	MA10680-CCB7	7431	37077	5382	3025
13:13	ZZZZZZ	7230	35925	5383	2618
13:17	ZZZZZZ	7422	35872	5286	2934
13:21	ZZZZZZ	7245	35760	5594	2329
13:26	ZZZZZZ	7553	38188	5452	2998
13:31	ZZZZZZ	9230 !	45643	6704	2774
13:35	ZZZZZZ	7260	36503	5363	2842
13:39	ZZZZZZ	7586	37967	5697	2696
13:43	ZZZZZZ	7440	36965	5535	2699
13:47	MP24970-MB1	7501	37674	5468	3039
13:52	MP24970-B1	7200	36068	5422	2691
13:55	MA10680-CCV8	7052	35098	5326	2496
14:00	MA10680-CCB8	7401	36772	5353	3005
14:04	FA3413-1	6577	34880	5434	2444
14:08	MP24970-D1	7031	35177	5429	2675
14:12	MP24970-SD1	7278	36454	5374	2866
14:16	MP24970-PS1	7068	35333	5446	2614
14:20	MP24970-S1	6924	34182	5311	2479
14:24	MP24970-S2	6986	34517	5308	2508
14:28	ZZZZZZ	7234	36273	5517	2777
14:33	ZZZZZZ	7260	36248	5577	2838
14:37	ZZZZZZ	7282	36530	5441	2833
14:41	ZZZZZZ	7229	36135	5414	2757
14:45	MA10680-CCV9	7094	35738	5381	2517
14:49	MA10680-CCB9	7457	37274	5482	3023
14:53	ZZZZZZ	7301	36204	5450	2797

INTERNAL STANDARD SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:57	ZZZZZZ	7208	35798	5375	2804
15:01	ZZZZZZ	7071	35293	5524	2607
15:05	ZZZZZZ	7473	37706	5725	2852
15:10	ZZZZZZ	7066	35723	5640	2719
15:18	ZZZZZZ	7566	39663	6502	2900
15:22	ZZZZZZ	7597	39705	6521	2895
15:26	ZZZZZZ	9222 !	48014 !	7619 !	3117
15:30	ZZZZZZ	8830	45620	7225 !	3155
15:34	MA10680-CCV10	7606	39217	6413	2704
15:38	MA10680-CCB10	7921	40851	6321	3237
15:42	ZZZZZZ	8779	45179	7140 !	3106
15:46	ZZZZZZ	14096 !	73021 !	11568 !	3002
15:50	ZZZZZZ	7640	40099	6495	3027
15:55	ZZZZZZ	7568	39741	6364	2986
15:59	MP24970-MB2A	7963	41395	6341	3262
16:03	MP24970-MB3A	8008	41511	6355	3283
16:07	MA10680-CRIA2	7762	40238	6281	3097
16:11	MA10680-ICSA2	6694	34032	5812	2347
16:15	MA10680-ICSAB2	6735	34243	5911	2294
16:19	MA10680-CCV11	7478	38276	6114	2662
16:24	MA10680-CCB11	7879	40087	6138	3215

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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10680 Units: ug/l

Time:			07:37		08:17		09:08		09:58	
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	-0.60	<6.0	-0.70	<6.0	-0.80	<6.0
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	-5.2	<1000	3.5	<1000	2.1	<1000	3.7	<1000
Chromium	10	1.8	-0.30	<10	0.30	<10	0.0	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	0.40	<10	1.1	<10	1.1	<10	1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	16.8	<10000	38.6	<10000	92.5	<10000	81.2	<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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10680 Units: ug/l

Time:			10:51		11:40		12:19		13:09	
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	-0.10	<6.0	-0.70	<6.0	-0.20	<6.0	-0.50	<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	0.0	<5.0	0.10	<5.0
Calcium	1000	50	0.90	<1000	10.1	<1000	-0.40	<1000	8.1	<1000
Chromium	10	1.8	-0.20	<10	0.0	<10	0.0	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	-0.10	<10	0.50	<10	0.70	<10	1.1	<10
Silver	10	.5	anr							
Sodium	10000	500	234	<10000	148	<10000	92.4	<10000	70.4	<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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10680 Units: ug/l

Time:			14:00		14:49		15:38		16:24	
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	-1.3	<6.0	-0.80	<6.0	-1.0	<6.0	-0.70	<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	3.8	<1000	4.3	<1000	4.3	<1000	10.0	<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	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	0.10	<10	0.80	<10	0.30	<10	1.4	<10
Silver	10	.5	anr							
Sodium	10000	500	60.9	<10000	95.8	<10000	127	<10000	77.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10680 Units: ug/l

Time:		07:27			08:09			09:04	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	2000	1960	98.0	2000	1940	97.0	2000	2010	100.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	1980	99.0	2000	2000	100.0	2000	2020	101.0
Calcium	40000	39700	99.3	40000	40100	100.3	40000	39900	99.8
Chromium	2000	2020	101.0	2000	2040	102.0	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	2000	1990	99.5	2000	1960	98.0	2000	2020	101.0
Silver	anr								
Sodium	40000	40100	100.3	40000	40200	100.5	40000	40100	100.3
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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10680 Units: ug/l

Time:		09:54			10:47			11:36	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	2000	1960	98.0	2000	2000	100.0	2000	1920	96.0
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	1990	99.5	2000	2010	100.5	2000	1990	99.5
Calcium	40000	39300	98.3	40000	39800	99.5	40000	39300	98.3
Chromium	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	2000	1960	98.0	2000	2020	101.0	2000	1930	96.5
Silver	anr								
Sodium	40000	39800	99.5	40000	40400	101.0	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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10680 Units: ug/l

Time:		12:13			13:05			13:55	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	2000	1930	96.5	2000	1980	99.0	2000	1930	96.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2000	100.0	2000	2000	100.0
Calcium	40000	40000	100.0	40000	39300	98.3	40000	39800	99.5
Chromium	2000	2080	104.0	2000	2020	101.0	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	2000	1950	97.5	2000	1990	99.5	2000	1940	97.0
Silver	anr								
Sodium	40000	41100	102.8	40000	40200	100.5	40000	40900	102.3
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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10680 Units: ug/l

Time:		14:45			15:34			16:19	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	2000	1930	96.5	2000	1950	97.5	2000	1960	98.0
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	1990	99.5	2000	1930	96.5	2000	1950	97.5
Calcium	40000	39600	99.0	40000	38400	96.0	40000	38800	97.0
Chromium	2000	2000	100.0	2000	1930	96.5	2000	1960	98.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	2000	1940	97.0	2000	1950	97.5	2000	1960	98.0
Silver	anr								
Sodium	40000	40500	101.3	40000	39600	99.0	40000	39900	99.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10680 Units: ug/l

Time:		07:19	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	4000	3970	99.3
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	4000	3950	98.8
Calcium	80000	79000	98.8
Chromium	4000	3970	99.3
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	4000	3960	99.0
Silver	anr		
Sodium	80000	79400	99.3
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10680 Units: ug/l

Time:			07:44		16:07	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	4.1	82.0	5.1	102.0
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.0	100.0	5.0	100.0
Calcium	2000	1000	1040	104.0	1030	103.0
Chromium	20	10	10.2	102.0	10.0	100.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	10.7	107.0	10.0	100.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10680 Units: ug/l

Time:			07:54		08:00		16:11		16:15	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	503000	100.6	496000	99.2	513000	102.6	486000	97.2
Antimony		1000	0.30		980	98.0	-0.60		1010	101.0
Arsenic		1000	-1.1		1010	101.0	-0.30		1030	103.0
Barium		500	-0.30		501	100.2	-0.50		508	101.6
Beryllium		500	-0.30		474	94.8	-0.10		470	94.0
Cadmium		1000	-0.30		907	90.7	0.0		887	88.7
Calcium	500000	500000	477000	95.4	481000	96.2	475000	95.0	464000	92.8
Chromium		500	-1.0		477	95.4	-1.0		454	90.8
Cobalt		500	0.10		447	89.4	0.20		443	88.6
Copper		500	0.0		503	100.6	1.4		510	102.0
Iron	200000	200000	186000	93.0	185000	92.5	188000	94.0	181000	90.5
Lead		1000	-0.50		928	92.8	-13		882	88.2
Magnesium	500000	500000	465000	93.0	472000	94.4	460000	92.0	446000	89.2
Manganese		500	-0.70		476	95.2	-0.40		466	93.2
Molybdenum		1000	0.10		885	88.5	0.20		894	89.4
Nickel		1000	0.90		870	87.0	1.4		869	86.9
Potassium			53.8		52.3		11.2		-26	
Selenium		1000	0.0		948	94.8	-1.3		976	97.6
Silver		1000	0.30		943	94.3	0.30		938	93.8
Sodium			161		169		278		205	
Strontium		1000	12.1		1060	106.0	13.3		1050	105.0
Thallium		1000	1.4		899	89.9	0.90		891	89.1
Tin		1000	-0.80		889	88.9	-0.90		869	86.9
Titanium		1000	-2.5		993	99.3	-3.2		992	99.2
Vanadium		500	-0.20		472	94.4	0.0		460	92.0
Zinc		1000	0.80		916	91.6	3.1		876	87.6

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24960
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/15/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	4.5	<200
Antimony	6.0	1.3	1.3	-0.20	<6.0
Arsenic	10	1.6	2.5	-0.90	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	-0.60	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-2.4	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-8.0	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	1.5	<10000
Selenium	10	2	2	-0.70	<10
Silver	10	.5	.5		
Sodium	10000	500	500	25.6	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3		
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1		
Zinc	20	3	5		

Associated samples MP24960: FA3366-1, FA3366-2, FA3366-3

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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24960
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			04/15/13					04/15/13	
Metal	FA3551-1 Original	DUP	RPD	QC Limits	FA3551-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	382	353	7.9	0-20	382	28000	27000	102.3	80-120
Antimony	0.0	0.0	NC	0-20	0.0	499	500	99.8	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	1990	2000	99.5	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	50.3	50	100.6	80-120
Calcium	42400	41200	2.9	0-20	42400	66700	25000	97.2	80-120
Chromium	0.0	0.0	NC	0-20	0.0	210	200	105.0	80-120
Cobalt									
Copper									
Iron	1760	1720	2.3	0-20	1760	28500	26000	102.8	80-120
Lead	anr								
Magnesium	9980	9710	2.7	0-20	9980	34600	25000	98.5	80-120
Manganese	anr								
Molybdenum									
Nickel									
Potassium	1050	1020	2.9	0-20	1050	26100	25000	100.2	80-120
Selenium	0.0	0.0	NC	0-20	0.0	1990	2000	99.5	80-120
Silver	anr								
Sodium	12100	11800	2.5	0-20	12100	37400	25000	101.2	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP24960: FA3366-1, FA3366-2, FA3366-3

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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24960
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/15/13

Metal	FA3551-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	382	27700	27000	101.2	1.1	20
Antimony	0.0	504	500	100.8	1.0	20
Arsenic	0.0	2000	2000	100.0	0.5	20
Barium	anr					
Beryllium						
Cadmium	0.0	50.1	50	100.2	0.4	20
Calcium	42400	65900	25000	94.0	1.2	20
Chromium	0.0	208	200	104.0	1.0	20
Cobalt						
Copper						
Iron	1760	28200	26000	101.7	1.1	20
Lead	anr					
Magnesium	9980	34200	25000	96.9	1.2	20
Manganese	anr					
Molybdenum						
Nickel						
Potassium	1050	25900	25000	99.4	0.8	20
Selenium	0.0	2000	2000	100.0	0.5	20
Silver	anr					
Sodium	12100	37000	25000	99.6	1.1	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP24960: FA3366-1, FA3366-2, FA3366-3

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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24960
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/15/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	27700	27000	102.6	80-120
Antimony	517	500	103.4	80-120
Arsenic	2040	2000	102.0	80-120
Barium	anr			
Beryllium				
Cadmium	52.6	50	105.2	80-120
Calcium	26200	25000	104.8	80-120
Chromium	214	200	107.0	80-120
Cobalt				
Copper				
Iron	27000	26000	103.8	80-120
Lead	anr			
Magnesium	25400	25000	101.6	80-120
Manganese	anr			
Molybdenum				
Nickel				
Potassium	25300	25000	101.2	80-120
Selenium	2070	2000	103.5	80-120
Silver	anr			
Sodium	25600	25000	102.4	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24960: FA3366-1, FA3366-2, FA3366-3

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24960
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/15/13

Metal	FA3551-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	382	404	5.7	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	42400	42900	1.2	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron	1760	1760	0.3	0-10
Lead	anr			
Magnesium	9980	10200	1.9	0-10
Manganese	anr			
Molybdenum				
Nickel				
Potassium	1050	1060	1.0	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	12100	12100	0.2	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24960: FA3366-1, FA3366-2, FA3366-3

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

POST DIGESTATE SPIKE SUMMARY

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24960
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/15/13

Metal	Sample ml	Final ml	FA3551-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	381.9	374.262	2747	0.2	125	2500	94.9	80-120
Antimony	9.8	10	0	0	98.1	0.2	5	100	98.1	80-120
Arsenic	9.8	10	0	0	98.8	0.2	5	100	98.8	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	50.8	0.2	2.5	50	101.6	80-120
Calcium	9.8	10	42350	41503	45730	0.2	250	5000	84.5	80-120
Chromium	9.8	10	0	0	52.3	0.2	2.5	50	104.6	80-120
Cobalt										
Copper										
Iron	9.8	10	1764	1728.72	4636	0.2	150	3000	96.9	80-120
Lead										
Magnesium	9.8	10	9975	9775.5	14200	0.2	250	5000	88.5	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	1051	1029.98	10510	0.2	500	10000	94.8	80-120
Selenium	9.8	10	0	0	98.2	0.2	5	100	98.2	80-120
Silver										
Sodium	9.8	10	12080	11838.4	21260	0.2	500	10000	94.2	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24960: FA3366-1, FA3366-2, FA3366-3

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

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: FA3366
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	GN55167	5.0	1.6	mg/l	250	240	96.0	90-113%
Alkalinity, Total as CaCO3	GN55183	25	0.0	mg/l	250	238	95.2	90-113%
Chloride	GP21365/GN55068	2.0	0.0	mg/l	50	51.0	102.0	90-110%
Chloride	GP21400/GN55123	2.0	0.0	mg/l	50	52.7	105.4	90-110%
Fluoride	GP21409/GN55132	0.20	0.0	mg/l	2.5	2.61	104.4	90-110%
Fluoride	GP21476/GN55296	0.20	0.0	mg/l	2.5	2.68	107.2	90-110%
Nitrogen, Nitrate	GP21365/GN55068	0.10	0.0	mg/l	2.5	2.52	100.8	90-110%
Nitrogen, Nitrate	GP21400/GN55123	0.10	0.0	mg/l	2.5	2.56	102.4	90-110%
Nitrogen, Nitrite	GP21400/GN55123	0.10	0.0	mg/l	2.5	2.55	102.0	90-110%
Phosphate, Ortho	GP21364/GN55052	0.10	0.0	mg/l	.300	0.31	102.3	83-116%
Phosphorus, Total	GP21398/GN55117	0.10	0.0	mg/l	.300	0.29	95.7	81-118%
Phosphorus, Total	GP21501/GN55335	0.10	0.0	mg/l	0.500	0.29	95.5	81-118%
Solids, Total Dissolved	GN55180	100	0.0	mg/l				
Specific Conductivity	GN55055	1.0	0.0	umhos/cm				
Sulfate	GP21365/GN55068	2.0	0.0	mg/l	50	49.4	98.8	90-110%
Sulfate	GP21400/GN55123	2.0	0.0	mg/l	50	51.2	102.4	90-110%

Associated Samples:
Batch GN55055: FA3366-1, FA3366-2, FA3366-3
Batch GN55167: FA3366-2
Batch GN55180: FA3366-1, FA3366-2, FA3366-3
Batch GN55183: FA3366-1, FA3366-3
Batch GP21364: FA3366-1F, FA3366-2F, FA3366-3F
Batch GP21365: FA3366-1, FA3366-2
Batch GP21398: FA3366-2, FA3366-3
Batch GP21400: FA3366-3
Batch GP21409: FA3366-1
Batch GP21476: FA3366-2, FA3366-3
Batch GP21501: FA3366-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3366
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	GN55167	FA3367-1	mg/l	125	124	0.8	0-20%
Alkalinity, Total as CaCO3	GN55183	FA3366-3	mg/l	535	525	1.9	0-20%
Phosphate, Ortho	GP21364/GN55052	FA3366-2F	mg/l	0.64	0.68	6.6	0-26%
Phosphorus, Total	GP21398/GN55117	FA3312-3	mg/l	3.1	3.0	1.5	0-22%
Solids, Total Dissolved	GN55180	FA3390-7	mg/l	269	265	1.5	0-5%
Specific Conductivity	GN55055	FA3366-1	umhos/cm	4870	4870	0.1	0-10%
pH	GN55054	FA3366-1	su	6.54	6.51	0.5	0-10%

Associated Samples:
Batch GN55054: FA3366-1, FA3366-2, FA3366-3
Batch GN55055: FA3366-1, FA3366-2, FA3366-3
Batch GN55167: FA3366-2
Batch GN55180: FA3366-1, FA3366-2, FA3366-3
Batch GN55183: FA3366-1, FA3366-3
Batch GP21364: FA3366-1F, FA3366-2F, FA3366-3F
Batch GP21398: FA3366-2, FA3366-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3366
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	GN55167	FA3367-1	mg/l	125	250	378	101.0	90-113%
Alkalinity, Total as CaCO3	GN55183	FA3366-3	mg/l	535	250	783	99.2	90-113%
Chloride	GP21365/GN55068	FA3169-16	mg/l	43.3	50	92.2	97.8	90-110%
Chloride	GP21400/GN55123	FA3362-1	mg/l	7.8	50	58.4	101.2	90-110%
Fluoride	GP21409/GN55132	FA3312-1	mg/l	1.5 U	2.5	3.5	140.0N(a)	90-110%
Fluoride	GP21476/GN55296	FA3410-1	mg/l	0.10	2.5	3.1	120.0N(a)	90-110%
Nitrogen, Nitrate	GP21365/GN55068	FA3169-16	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Nitrate	GP21400/GN55126	FA3362-1	mg/l	5.0	2.5	7.1	84.0N(a)	90-110%
Nitrogen, Nitrite	GP21400/GN55123	FA3362-1	mg/l	0.10	2.5	2.5	96.0	90-110%
Phosphate, Ortho	GP21364/GN55052	FA3366-2F	mg/l	0.64	.300	2.0	457.8*(a)	83-116%
Phosphorus, Total	GP21398/GN55117	FA3312-1	mg/l	104	.300	3.4	105.0	81-118%
Sulfate	GP21365/GN55068	FA3169-16	mg/l	23.7	50	71.9	96.4	90-110%
Sulfate	GP21400/GN55123	FA3362-1	mg/l	1.8	50	50.4	97.2	90-110%

Associated Samples:
Batch GN55167: FA3366-2
Batch GN55183: FA3366-1, FA3366-3
Batch GP21364: FA3366-1F, FA3366-2F, FA3366-3F
Batch GP21365: FA3366-1, FA3366-2
Batch GP21398: FA3366-2, FA3366-3
Batch GP21400: FA3366-3
Batch GP21409: FA3366-1
Batch GP21476: FA3366-2, FA3366-3
Batch GP21501: FA3366-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3366
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	GP21365/GN55068	FA3169-16	mg/l	43.3	50	92.5	0.3	20%
Chloride	GP21400/GN55123	FA3362-1	mg/l	7.8	50	58.4	0.0	20%
Fluoride	GP21409/GN55132	FA3312-1	mg/l	1.5 U	2.5	2.9	18.8(a)	20%
Fluoride	GP21476/GN55296	FA3410-1	mg/l	0.10	2.5	3.1	0.0(a)	20%
Nitrogen, Nitrate	GP21365/GN55068	FA3169-16	mg/l	0.050 U	2.5	2.4	0.0	20%
Nitrogen, Nitrate	GP21400/GN55126	FA3362-1	mg/l	5.0	2.5	7.2	1.4(a)	20%
Nitrogen, Nitrite	GP21400/GN55123	FA3362-1	mg/l	0.10	2.5	2.5	0.0	20%
Sulfate	GP21365/GN55068	FA3169-16	mg/l	23.7	50	71.6	0.4	20%
Sulfate	GP21400/GN55123	FA3362-1	mg/l	1.8	50	50.7	0.6	20%

Associated Samples:
Batch GP21365: FA3366-1, FA3366-2
Batch GP21398: FA3366-2, FA3366-3
Batch GP21400: FA3366-3
Batch GP21409: FA3366-1
Batch GP21476: FA3366-2, FA3366-3
Batch GP21501: FA3366-1
(*) 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: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313040401.TXT Date Analyzed: 04/04/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55068
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:14	GN55068-CCV1	1		
10:29	GP21365-MB1	1		
10:45	GP21365-B1	1		
11:33	ZZZZZZ	5		
11:49	ZZZZZZ	1		
12:05	ZZZZZZ	5		
12:21	ZZZZZZ	10		
12:36	ZZZZZZ	2		
12:52	FA3169-16	1		(sample used for QC only; not part of login FA3366)
13:08	GN55068-CCV2	1		
13:24	GN55068-CCB1	1		
13:40	FA3169-17	1		(sample used for QC only; not part of login FA3366)
13:56	ZZZZZZ	100		
14:12	ZZZZZZ	10		
14:30	FA3366-2	25		
14:46	FA3366-1	25		
15:01	GP21365-S1	1		
15:17	GP21365-S2	1		
15:33	GP21365-S3	1		
15:49	GP21365-S4	1		
16:05	GN55068-CCV3	1		
16:21	GN55068-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313040401.TXT Date Analyzed: 04/04/13 Methods: EPA 300/SW846 9056A
Run ID: GN55068 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55068-CCV1	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN55068-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55068-CCV1	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN55068-CCV2	Chloride	51.1	2.0	0.80	50	102.2	90-110
GN55068-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55068-CCV2	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN55068-CCB1	Chloride	0.80 U	2.0	0.80			
GN55068-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55068-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55068-CCV3	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN55068-CCV3	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55068-CCV3	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN55068-CCB2	Chloride	0.80 U	2.0	0.80			
GN55068-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55068-CCB2	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050401.TXT Date Analyzed: 04/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55123
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:05	GN55123-CCV1	1		
12:21	GP21399-MB1	1		
12:36	GP21399-B1	1		
13:25	ZZZZZZ	1		
13:40	ZZZZZZ	5		
13:56	ZZZZZZ	50		
14:12	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:44	ZZZZZZ	5		
15:00	GN55123-CCV2	1		
15:16	GN55123-CCB1	1		
15:31	ZZZZZZ	2		
15:47	ZZZZZZ	1		
16:03	ZZZZZZ	5		
16:19	ZZZZZZ	1		
16:35	FA3413-3	1		(sample used for QC only; not part of login FA3366)
16:51	FA3413-7	1		(sample used for QC only; not part of login FA3366)
17:07	ZZZZZZ	1		
17:23	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:54	ZZZZZZ	5		
18:10	GN55123-CCV3	1		
18:26	GN55123-CCB2	1		
18:42	ZZZZZZ	1		
18:58	ZZZZZZ	2		
19:14	ZZZZZZ	2		
19:30	ZZZZZZ	1		
19:45	GP21399-S1	1		
20:01	GP21399-S2	1		
20:17	GP21399-S3	1		
20:33	GP21399-S4	1		
20:49	GN55123-CCV4	1		
21:05	GP21400-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050401.TXT Date Analyzed: 04/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55123
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:21	GP21400-B1	1		
22:08	ZZZZZZ	5		
22:24	ZZZZZZ	1		
22:40	ZZZZZZ	5		
22:56	ZZZZZZ	1		
23:12	ZZZZZZ	2		
23:28	ZZZZZZ	1		
23:44	GN55123-CCV5	1		
23:59	GN55123-CCB3	1		
00:15	ZZZZZZ	1		
00:32	ZZZZZZ	1		
00:48	FA3366-3	25		
01:04	ZZZZZZ	1		
01:21	ZZZZZZ	1		
01:36	ZZZZZZ	5		
01:52	FA3362-1	1		(sample used for QC only; not part of login FA3366)
02:08	FA3362-2	1		(sample used for QC only; not part of login FA3366)
02:24	ZZZZZZ	1		
02:41	ZZZZZZ	1		
02:57	GN55123-CCV6	1		
03:12	GN55123-CCB4	1		
03:28	ZZZZZZ	1		
03:44	ZZZZZZ	1		
04:00	ZZZZZZ	1		
04:16	ZZZZZZ	1		
04:32	GP21400-S1	1		
04:48	GP21400-S2	1		
05:03	GP21400-S3	1		
05:19	GP21400-S4	1		
05:35	GN55123-CCV7	1		
05:51	GN55123-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050401.TXT Date Analyzed: 04/05/13 Methods: EPA 300/SW846 9056A
Run ID: GN55123 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55123-CCV1	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN55123-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV1	Sulfate	52.2	2.0	0.60	50	104.4	90-110
GN55123-CCV2	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN55123-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV2	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN55123-CCB1	Chloride	0.80 U	2.0	0.80			
GN55123-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55123-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55123-CCV3	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN55123-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV3	Sulfate	51.6	2.0	0.60	50	103.2	90-110
GN55123-CCB2	Chloride	0.80 U	2.0	0.80			
GN55123-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55123-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55123-CCV4	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN55123-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV4	Sulfate	52.1	2.0	0.60	50	104.2	90-110
GN55123-CCV5	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN55123-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV5	Sulfate	51.6	2.0	0.60	50	103.2	90-110
GN55123-CCB3	Chloride	0.80 U	2.0	0.80			
GN55123-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55123-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55123-CCV6	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN55123-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV6	Sulfate	51.9	2.0	0.60	50	103.8	90-110
GN55123-CCB4	Chloride	0.80 U	2.0	0.80			
GN55123-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55123-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55123-CCV7	Chloride	51.5	2.0	0.80	50	103.0	90-110
GN55123-CCV7	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV7	Sulfate	52.5	2.0	0.60	50	105.0	90-110
GN55123-CCB5	Chloride	0.80 U	2.0	0.80			
GN55123-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55123-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313080401.TXT Date Analyzed: 04/08/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55126
Parameters: Nitrogen, Nitrate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:01	GN55126-CCV1	1		
10:17	GP21405-MB1	1		
10:33	GP21405-B1	1		
11:21	ZZZZZZ	5		
11:36	FA3362-1	2		(sample used for QC only; not part of login FA3366)
12:15	GP21400-S1	2		
12:31	GP21400-S2	2		
12:47	ZZZZZZ	2		
13:03	ZZZZZZ	25		
13:19	GN55126-CCV2	1		
13:36	GN55126-CCB1	1		
13:51	ZZZZZZ	25		
14:08	ZZZZZZ	10		
15:17	ZZZZZZ	25		
15:32	ZZZZZZ	5		
15:48	ZZZZZZ	5		
16:04	ZZZZZZ	5		
16:21	FA3255-113	2		(sample used for QC only; not part of login FA3366)
16:36	ZZZZZZ	5		
16:53	ZZZZZZ	10		
17:08	FA3255-116	1		(sample used for QC only; not part of login FA3366)
17:24	GN55126-CCV3	1		
17:41	GN55126-CCB2	1		
17:56	ZZZZZZ	25		
18:13	ZZZZZZ	10		
18:29	ZZZZZZ	100		
18:44	ZZZZZZ	5		
19:00	ZZZZZZ	5		
19:16	ZZZZZZ	10		
19:32	GP21405-S1	1		
19:48	GP21405-S2	1		
20:04	GP21405-S3	2		
20:20	GP21405-S4	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313080401.TXT Date Analyzed: 04/08/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55126
Parameters: Nitrogen, Nitrate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:35	GN55126-CCV4	1		
20:52	GN55126-CCB3	1		
21:08	ZZZZZZ	5		
21:24	GN55126-CCV5	1		
21:41	GP21378-MB1	1		
21:57	GP21378-B1	1		
22:13	FA3364-1	1		(sample used for QC only; not part of login FA3366)
22:30	ZZZZZZ	1		
22:47	ZZZZZZ	1		
23:04	ZZZZZZ	1		
23:20	GP21378-S1	1		
23:37	GP21378-S2	1		
00:10	GN55126-CCV6	1		
00:26	GN55126-CCB4	1		
00:58	GP21352-S1	2		
01:15	GP21352-S2	2		
01:48	GP21352-S3	1		
02:05	GP21352-S4	1		
02:38	GP21341-S1	1		
02:54	GP21341-S2	1		
03:28	GN55126-CCV7	1		
03:44	GN55126-CCB5	1		
04:01	GP21341-S3	1		
04:17	GP21341-S4	1		
04:51	GP21331-S3	2		
05:08	GP21331-S4	2		
05:25	GN55126-CCV8	1		
05:42	GN55126-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313080401.TXT Date Analyzed: 04/08/13 Methods: EPA 300/SW846 9056A
Run ID: GN55126 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55126-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55126-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55126-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55126-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55126-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55126-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55126-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55126-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55126-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55126-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55126-CCV7	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55126-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55126-CCV8	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55126-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213080401.TXT Date Analyzed: 04/08/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55132
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:03	GN55132-CCV1	1		
10:35	GP21409-MB1	1		
10:50	GP21409-B1	1		
11:38	ZZZZZZ	2		
11:54	FA3312-1	25		(sample used for QC only; not part of login FA3366)
12:10	ZZZZZZ	25		
12:26	ZZZZZZ	10		
12:41	ZZZZZZ	10		
12:57	FA3366-1	25		
14:05	GN55132-CCV2	1		
15:06	GN55132-CCB1	1		
15:22	GP21409-S1	25		
15:38	GP21409-S2	25		
15:53	GN55132-CCV3	1		
16:12	GN55132-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213080401.TXT Date Analyzed: 04/08/13 Methods: EPA 300/SW846 9056A
Run ID: GN55132 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55132-CCV1	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55132-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55132-CCB1	Fluoride	0.069	0.20	0.060			
GN55132-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55132-CCB2	Fluoride	0.065	0.20	0.060			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55187
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:32	GN55187-CCV1	1		
10:48	GP21424-MB1	1		
11:04	GP21424-B1	1		
12:07	ZZZZZZ	5		
12:23	ZZZZZZ	5		
12:39	ZZZZZZ	5		
13:27	GN55187-CCV2	1		
13:42	GN55187-CCB1	1		
13:58	FA3366-2	50		
14:14	FA3366-1	50		
14:30	ZZZZZZ	10		
14:46	ZZZZZZ	2		
15:02	ZZZZZZ	2		
15:34	FA3366-3	50		
15:50	ZZZZZZ	5		
16:05	ZZZZZZ	1000		
16:21	ZZZZZZ	2		
16:37	GN55187-CCV3	1		
16:53	GN55187-CCB2	1		
17:09	ZZZZZZ	50		
17:25	ZZZZZZ	50		
17:41	ZZZZZZ	5		
17:57	ZZZZZZ	1		
18:13	ZZZZZZ	1		
18:29	ZZZZZZ	1		
18:44	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:48	GN55187-CCV4	1		
20:04	GN55187-CCB3	1		
20:20	ZZZZZZ	1		
20:36	FA3401-1	1		(sample used for QC only; not part of login FA3366)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55187
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:52	ZZZZZZ	1		
21:07	FA3401-3	1		(sample used for QC only; not part of login FA3366)
21:23	ZZZZZZ	5		
21:39	ZZZZZZ	1		
21:55	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:27	ZZZZZZ	25		
22:43	ZZZZZZ	1		
22:59	GN55187-CCV5	1		
23:15	GN55187-CCB4	1		
23:30	GP21424-S1	1		
23:46	GP21424-S2	1		
00:02	GP21424-S3	1		
00:18	GP21424-S4	1		
00:34	GN55187-CCV6	1		
00:50	GP21425-MB1	1		
01:06	GP21425-B1	1		
02:09	FA3401-11	1		(sample used for QC only; not part of login FA3366)
02:25	ZZZZZZ	1		
02:41	ZZZZZZ	5		
02:57	ZZZZZZ	1		
03:13	ZZZZZZ	1		
03:29	GN55187-CCV7	1		
03:45	GN55187-CCB5	1		
04:01	ZZZZZZ	100		
04:17	GP21425-S1	1		
04:32	GP21425-S2	1		
04:48	GN55187-CCV8	1		
05:04	GN55187-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Run ID: GN55187 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55187-CCV1	Sulfate	51.4	2.0	0.60	50	102.8	90-110
GN55187-CCV2	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN55187-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV3	Sulfate	52.4	2.0	0.60	50	104.8	90-110
GN55187-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV4	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN55187-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV5	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN55187-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV6	Sulfate	51.6	2.0	0.60	50	103.2	90-110
GN55187-CCB6	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213110401.TXT Date Analyzed: 04/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55296
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:07	GN55296-CCV1	1		
09:29	GP21476-MB1	1		
09:45	GP21476-B1	1		
10:33	ZZZZZZ	5		
10:49	ZZZZZZ	50		
11:05	ZZZZZZ	1		
11:21	FA3366-2	25		
11:36	FA3366-3	25		
11:52	FA3410-1	1		(sample used for QC only; not part of login FA3366)
14:03	GN55296-CCV2	1		
14:19	GN55296-CCB1	1		
14:53	GP21476-S1	1		
15:08	GP21476-S2	1		
15:24	GN55296-CCV3	1		
15:40	GN55296-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3366
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213110401.TXT Date Analyzed: 04/11/13 Methods: EPA 300/SW846 9056A
Run ID: GN55296 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55296-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN55296-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55296-CCB1	Fluoride	0.082	0.20	0.060			
GN55296-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55296-CCB2	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

04/24/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA3407

Sampling Date: 04/03/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

Total number of pages in report: **82**

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

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

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA3407

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
FA3407-1	04/03/13	15:30	TP	04/05/13	AQ	Ground Water	NW9
FA3407-1F	04/03/13	15:30	TP	04/05/13	AQ	Groundwater Filtered	NW9
FA3407-2	04/03/13	14:00	TP	04/05/13	AQ	Ground Water	MW-A-110
FA3407-2F	04/03/13	14:00	TP	04/05/13	AQ	Groundwater Filtered	MW-A-110
FA3407-3	04/03/13	14:30	TP	04/05/13	AQ	Equipment Blank	EB04032013
FA3407-3F	04/03/13	14:30	TP	04/05/13	AQ	Equip Blank Filtered	EB04032013

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA3407

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 4/19/2013 5:13:31 PM

4 Sample(s) were collected on 04/03/2013 and were received at Accutest SE on 04/05/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA3407. 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:** MP24964

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) FA3409-1DUP, FA3409-1MS, FA3409-1MSD, FA3409-1PS, FA3409-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Aluminum, Cadmium are outside control limits for sample MP24964-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55087

All method blanks for this batch meet method specific criteria.

Sample(s) FA3407-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA3407-1, FA3407-2, FA3407-3. Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21399

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) FA3413-3MS, FA3413-3MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

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

Matrix: AQ **Batch ID:** GP21476

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) FA3410-1MSD, FA3410-1MS were used as the QC samples for Fluoride.

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

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21376

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) FA3390-7DUP, FA3390-7MS were used as the QC samples for Phosphate, Ortho.

FA3407-2F for Phosphate, Ortho: Confirmed by reanalysis in GN55361.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21403

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3408-1DUP, FA3408-1MS, FA3408-1MSD were used as the QC samples for Phosphorus, Total.

FA3407-2 for Phosphorus, Total: Confirmed by reanalysis in GN55378.

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

Matrix: AQ **Batch ID:** GN55088

Sample(s) FA3407-1DUP was used as the QC sample for pH.

FA3407-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA3407-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA3407-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55167

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3367-1DUP, FA3367-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55180

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3390-7DUP 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: April 19, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA3407
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/03/13

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3407-1	**NW9**					
Aluminum		2.68	0.20	0.015	mg/l	SW846 6010C
Cadmium		0.0052	0.0050	0.00050	mg/l	SW846 6010C
Calcium		228	1.0	0.050	mg/l	SW846 6010C
Magnesium		91.5	5.0	0.074	mg/l	SW846 6010C
Potassium		7.34 J	10	0.20	mg/l	SW846 6010C
Selenium		0.0122	0.010	0.0020	mg/l	SW846 6010C
Sodium		63.1	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		262	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		262	5.0	0.60	mg/l	SM19 2320B
Chloride		79.4	10	4.0	mg/l	EPA 300/SW846 9056A
Fluoride		18.9	1.0	0.30	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		24.7	0.50	0.25	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2.9	1.0	0.28	mg/l	EPA 365.3
Solids, Total Dissolved		1350	100	10	mg/l	SM19 2540C
Specific Conductivity [a]		1750	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		581	20	6.0	mg/l	EPA 300/SW846 9056A
pH [b]		6.84			su	SM 4500H B/SW 9040C
FA3407-1F	**NW9**					
Phosphate, Ortho		1.9	1.0	0.19	mg/l	EPA 365.3
FA3407-2	**MW-A-110**					
Aluminum		1.16	0.20	0.015	mg/l	SW846 6010C
Arsenic		0.0044 J	0.010	0.0025	mg/l	SW846 6010C
Cadmium		0.0148	0.0050	0.00050	mg/l	SW846 6010C
Calcium		366	1.0	0.050	mg/l	SW846 6010C
Iron		0.273 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		241	5.0	0.074	mg/l	SW846 6010C
Potassium		23.7	10	0.20	mg/l	SW846 6010C
Selenium		0.0064 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		147	40	2.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		77.1	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		77.1	5.0	0.60	mg/l	SM19 2320B
Chloride		468	100	40	mg/l	EPA 300/SW846 9056A
Fluoride		5.2 J	10	3.0	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		234	5.0	2.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total [c]		6.7	2.5	0.028	mg/l	EPA 365.3
Solids, Total Dissolved		3190	500	50	mg/l	SM19 2540C
Specific Conductivity [a]		4390	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1020	100	30	mg/l	EPA 300/SW846 9056A
pH [b]		5.80			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA3407
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/03/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3407-2F	**MW-A-110**					
Phosphate, Ortho [d]		13.2	5.0	0.95	mg/l	EPA 365.3
FA3407-3	**EB04032013**					
Solids, Total Dissolved		11.0 J	100	10	mg/l	SM19 2540C
Specific Conductivity [a]		1.7	1.0	1.0	umhos/cm	EPA 120.1
pH [b]		5.58			su	SM 4500H B/SW 9040C
FA3407-3F	**EB04032013**					

No hits reported in this sample.

(a) Sample received outside the holding time.
(b) Field analysis required. Received out of hold time and analyzed by request.
(c) Confirmed by reanalysis in GN55378.
(d) Confirmed by reanalysis in GN55361.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	NW9		
Lab Sample ID:	FA3407-1	**Date Sampled:**	04/03/13
Matrix:	AQ - Ground Water	**Date Received:**	04/05/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2.68	0.20	0.015	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.0052	0.0050	0.00050	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	228	1.0	0.050	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.029 U	0.30	0.029	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	91.5	5.0	0.074	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	7.34 J	10	0.20	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0122	0.010	0.0020	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	63.1	10	0.50	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10680
(2) Prep QC Batch: MP24964

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	NW9		
Lab Sample ID:	FA3407-1	**Date Sampled:**	04/03/13
Matrix:	AQ - Ground Water	**Date Received:**	04/05/13
		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	262	5.0	5.0	mg/l	1	04/10/13 09:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/10/13 09:00	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	262	5.0	0.60	mg/l	1	04/10/13 09:00	HH	SM19 2320B
Chloride	79.4	10	4.0	mg/l	5	04/05/13 14:44	AA	EPA 300/SW846 9056A
Fluoride	18.9	1.0	0.30	mg/l	5	04/11/13 10:33	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	24.7	0.50	0.25	mg/l	5	04/05/13 14:44	AA	EPA 300/SW846 9056A
Phosphorus, Total	2.9	1.0	0.28	mg/l	10	04/09/13 15:40	LE	EPA 365.3
Solids, Total Dissolved	1350	100	10	mg/l	1	04/10/13 16:50	KC	SM19 2540C
Specific Conductivity [a]	1750	1.0	1.0	umhos/cm	1	04/05/13 17:00	HH	EPA 120.1
Sulfate	581	20	6.0	mg/l	10	04/09/13 14:30	AA	EPA 300/SW846 9056A
pH [b]	6.84			su	1	04/05/13 17:12	HH	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:	NW9		
Lab Sample ID:	FA3407-1F	**Date Sampled:**	04/03/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/05/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	1.9	1.0	0.19	mg/l	10	04/05/13 09:00	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:	MW-A-110		
Lab Sample ID:	FA3407-2	**Date Sampled:**	04/03/13
Matrix:	AQ - Ground Water	**Date Received:**	04/05/13
		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	1.16	0.20	0.015	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0044 J	0.010	0.0025	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.0148	0.0050	0.00050	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	366	1.0	0.050	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.273 J	0.30	0.029	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	241	5.0	0.074	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	23.7	10	0.20	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0064 J	0.010	0.0020	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	147	40	2.0	mg/l	4	04/15/13	04/18/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10680
(2) Instrument QC Batch: MA10683
(3) Prep QC Batch: MP24964

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:	MW-A-110		
Lab Sample ID:	FA3407-2	**Date Sampled:**	04/03/13
Matrix:	AQ - Ground Water	**Date Received:**	04/05/13
		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	77.1	5.0	5.0	mg/l	1	04/10/13 09:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/10/13 09:00	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	77.1	5.0	0.60	mg/l	1	04/10/13 09:00	HH	SM19 2320B
Chloride	468	100	40	mg/l	50	04/05/13 13:56	AA	EPA 300/SW846 9056A
Fluoride	5.2 J	10	3.0	mg/l	50	04/11/13 10:49	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	234	5.0	2.5	mg/l	50	04/05/13 13:56	AA	EPA 300/SW846 9056A
Phosphorus, Total [a]	6.7	2.5	0.028	mg/l	25	04/09/13 15:40	LE	EPA 365.3
Solids, Total Dissolved	3190	500	50	mg/l	5	04/10/13 16:50	KC	SM19 2540C
Specific Conductivity [b]	4390	1.0	1.0	umhos/cm	1	04/05/13 17:00	HH	EPA 120.1
Sulfate	1020	100	30	mg/l	50	04/05/13 13:56	AA	EPA 300/SW846 9056A
pH [c]	5.80			su	1	04/05/13 17:12	HH	SM 4500H B/SW 9040C

(a) Confirmed by reanalysis in GN55378.
(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:	MW-A-110		
Lab Sample ID:	FA3407-2F	**Date Sampled:**	04/03/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/05/13
		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]	13.2	5.0	0.95	mg/l	50	04/05/13 09:00	MG	EPA 365.3

(a) Confirmed by reanalysis in GN55361.

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:	EB04032013		
Lab Sample ID:	FA3407-3	**Date Sampled:**	04/03/13
Matrix:	AQ - Equipment Blank	**Date Received:**	04/05/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.015 U	0.20	0.015	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	0.050 U	1.0	0.050	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.029 U	0.30	0.029	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	0.074 U	5.0	0.074	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	0.20 U	10	0.20	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	0.50 U	10	0.50	mg/l	1	04/15/13	04/16/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10680
(2) Prep QC Batch: MP24964

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:	EB04032013		
Lab Sample ID:	FA3407-3	**Date Sampled:**	04/03/13
Matrix:	AQ - Equipment Blank	**Date Received:**	04/05/13
		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	04/10/13 09:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/10/13 09:00	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	04/10/13 09:00	HH	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	04/05/13 14:12	AA	EPA 300/SW846 9056A
Fluoride	0.060 U	0.20	0.060	mg/l	1	04/11/13 11:05	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	04/05/13 14:12	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.70 U	0.10	0.70	mg/l	1	04/09/13 15:40	LE	EPA 365.3
Solids, Total Dissolved	11.0 J	100	10	mg/l	1	04/10/13 16:50	KC	SM19 2540C
Specific Conductivity [a]	1.7	1.0	1.0	umhos/cm	1	04/05/13 17:00	HH	EPA 120.1
Sulfate	0.60 U	2.0	0.60	mg/l	1	04/05/13 14:12	AA	EPA 300/SW846 9056A
pH [b]	5.58			su	1	04/05/13 17:12	HH	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:	EB04032013		
Lab Sample ID:	FA3407-3F	**Date Sampled:**	04/03/13
Matrix:	AQ - Equip Blank Filtered	**Date Received:**	04/05/13
		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	04/05/13 09:00	MG	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA3407 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: WSP ENV & ENG
Address: 705 W. Park St.
City: Jackson State: MO Zip: 63755
Project Contact: Tim Hoff E-mail: Tim.Hoff@wspgroup.com
Phone#: 573-214-6759
Sampler(s) Name(s) (Printed): T. Hoff

Project Information

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

Analytical Information

See Attached

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	Total # of Bottles	Container Information: Other	None	HCl	NaOH	HNO3	H2SO4	NaOH/ZnAc	DI Water	MeOH	See Attached											LAB USE ONLY
1	NW9	04/03/13	1530	TP	GW	4		X			X	X				X											
2	MW-A-MD	04/03/13	1400	TP		4		X			X	X				X											
3	EQUIPMENT BLANK	04/03/13	1630	TP		4		X			X	X				X											

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

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

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	04/04/13 1030	2 KO	3 KO 0405-13	4 930	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.8

5.1 5

FA3407: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA3407 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 04-05-13 930 (MM/DD/YY 24:00) NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8013 5716 3460

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 RWilm 04-05-13 REVIEWER SIGNATURE/DATE [signature] 04/05/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA3407: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES FA3407

FA3407: Chain of Custody
Page 3 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

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

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

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

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:04	MA10680-STD1	1		STDA
07:08	MA10680-STD2	1		STDB
07:11	MA10680-STD3	1		STDC
07:15	MA10680-STD4	1		STDD
07:19	MA10680-HSTD1	1		
07:27	MA10680-ICV1	1		
07:37	MA10680-ICB1	1		
07:44	MA10680-CRIA1	1		
07:54	MA10680-ICSA1	1		
08:00	MA10680-ICSAB1	1		
08:09	MA10680-CCV1	1		
08:17	MA10680-CCB1	1		
08:24	MP24964-MB1	1		
08:28	MP24964-B1	1		
08:32	FA3409-1	1		(sample used for QC only; not part of login FA3407)
08:36	MP24964-D1	1		
08:40	MP24964-SD1	5		
08:44	MP24964-PS1	1		
08:48	MP24964-S1	1		
08:52	MP24964-S2	1		
08:56	ZZZZZZ	1		
09:00	ZZZZZZ	1		
09:04	MA10680-CCV2	1		
09:08	MA10680-CCB2	1		
09:12	ZZZZZZ	1		
09:16	ZZZZZZ	1		
09:20	ZZZZZZ	1		
09:24	ZZZZZZ	1		
09:29	ZZZZZZ	1		
09:33	ZZZZZZ	1		
09:37	ZZZZZZ	1		
09:41	FA3407-1	1		
09:45	FA3407-2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	09:50	FA3407-3	1		
---------->	Last reportable sample/prep for job FA3407				
	09:54	MA10680-CCV3	1		
	09:58	MA10680-CCB3	1		
	10:02	ZZZZZZ	1		
	10:10	ZZZZZZ	1		
	10:27	ZZZZZZ	1		
	10:32	ZZZZZZ	5		
	10:36	ZZZZZZ	4		
	10:42	ZZZZZZ	25		
	10:47	MA10680-CCV4	1		
	10:51	MA10680-CCB4	1		
	10:55	ZZZZZZ	2		
	10:59	MP24967-MB1	1		
	11:03	MP24967-B1	1		
	11:07	FA1093-3T	1		(sample used for QC only; not part of login FA3407)
	11:11	MP24967-D1	1		
	11:15	MP24967-SD1	5		
	11:20	MP24967-S1	1		
	11:24	MP24967-S2	1		
	11:28	ZZZZZZ	1		
	11:32	ZZZZZZ	1		
	11:36	MA10680-CCV5	1		
	11:40	MA10680-CCB5	1		
	11:44	ZZZZZZ	1		
	11:49	MP24967-D2	1		
	11:53	MP24967-MB2	1		
	11:57	MP24967-B2	1		
	12:13	MA10680-CCV6	1		
	12:19	MA10680-CCB6	1		
	12:24	MP24968-MB1	1		
	12:28	MP24968-B1	1		
	12:32	FA3550-1	1		(sample used for QC only; not part of login FA3407)
	12:36	MP24968-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:40	MP24968-SD1	5		
12:44	MP24968-PS1	1		
12:49	MP24968-S1	1		
12:52	MP24968-S2	1		
12:56	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:05	MA10680-CCV7	1		
13:09	MA10680-CCB7	1		
13:13	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:47	MP24970-MB1	1		
13:52	MP24970-B1	1		
13:55	MA10680-CCV8	1		
14:00	MA10680-CCB8	1		
14:04	FA3413-1	1		(sample used for QC only; not part of login FA3407)
14:08	MP24970-D1	1		
14:12	MP24970-SD1	5		
14:16	MP24970-PS1	1		
14:20	MP24970-S1	1		
14:24	MP24970-S2	1		
14:28	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:45	MA10680-CCV9	1		
14:49	MA10680-CCB9	1		
14:53	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:57	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:34	MA10680-CCV10	1		
15:38	MA10680-CCB10	1		
15:42	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:59	MP24970-MB2A	1		
16:03	MP24970-MB3A	1		
16:07	MA10680-CRIA2	1		
16:11	MA10680-ICSA2	1		
16:15	MA10680-ICSAB2	1		
16:19	MA10680-CCV11	1		
16:24	MA10680-CCB11	1		

----------> Last reportable CCB for job FA3407
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:04	MA10680-STD1	7284	36676	5428	2994
07:08	MA10680-STD2	7141	35775	5462	2783
07:11	MA10680-STD3	6831	34682	5373	2482
07:15	MA10680-STD4	6567	33966	5291	2228
07:19	MA10680-HSTD1	6647	34033	5429	2254
07:27	MA10680-ICV1	6915	34996	5448	2506
07:37	MA10680-ICB1	7350 R	36787 R	5490 R	3000 R
07:44	MA10680-CRIA1	7357	36951	5548	2903
07:54	MA10680-ICSA1	6423	31413	5278	2221
08:00	MA10680-ICSAB1	6337	31260	5173	2141
08:09	MA10680-CCV1	6991	35014	5425	2484
08:17	MA10680-CCB1	7328	36688	5430	2983
08:24	MP24964-MB1	7387	37288	5616	2978
08:28	MP24964-B1	7077	35386	5483	2635
08:32	FA3409-1	7311	36775	5688	2762
08:36	MP24964-D1	7262	36515	5648	2753
08:40	MP24964-SD1	7342	37042	5530	2927
08:44	MP24964-PS1	7304	36385	5650	2701
08:48	MP24964-S1	7175	35633	5546	2559
08:52	MP24964-S2	7192	35894	5617	2565
08:56	ZZZZZZ	6888	34265	5430	2582
09:00	ZZZZZZ	7083	35612	5460	2710
09:04	MA10680-CCV2	6840	34602	5427	2501
09:08	MA10680-CCB2	7327	36781	5503	3028
09:12	ZZZZZZ	7676	38731	6060	2610
09:16	ZZZZZZ	7558	38163	5957	2608
09:20	ZZZZZZ	7823	39433	6139	2661
09:24	ZZZZZZ	6991	35134	5382	2747
09:29	ZZZZZZ	7297	36648	5686	2803
09:33	ZZZZZZ	6953	34915	5423	2670
09:37	ZZZZZZ	7130	36249	5554	2888
09:41	FA3407-1	6440	32766	5237	2454
09:45	FA3407-2	6272	31822	5194	2299

INTERNAL STANDARD SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:50	FA3407-3	7309	36725	5435	2987
09:54	MA10680-CCV3	6934	34767	5394	2508
09:58	MA10680-CCB3	7283	36417	5473	2997
10:02	ZZZZZZ	6920	34657	5471	2522
10:10	ZZZZZZ	8037	39867	6213	2658
10:27	ZZZZZZ	6997	34183	5816	2152
10:32	ZZZZZZ	6903	34373	5322	2625
10:36	ZZZZZZ	7072	35185	5517	2559
10:42	ZZZZZZ	7288	36221	5442	2885
10:47	MA10680-CCV4	6879	34481	5371	2504
10:51	MA10680-CCB4	7304	36340	5420	3007
10:55	ZZZZZZ	6518	32844	5269	2421
10:59	MP24967-MB1	7394	36868	5454	2998
11:03	MP24967-B1	7072	35115	5388	2638
11:07	FA1093-3T	7424	37092	5921	2315
11:11	MP24967-D1	7452	37529	6004	2325
11:15	MP24967-SD1	7227	36303	5610	2714
11:20	MP24967-S1	7332	36960	5914	2240
11:24	MP24967-S2	7404	37216	5935	2256
11:28	ZZZZZZ	6516	32503	5118	2398
11:32	ZZZZZZ	6764	33246	5378	2254
11:36	MA10680-CCV5	6974	34685	5243	2486
11:40	MA10680-CCB5	7382	36610	5380	3009
11:44	ZZZZZZ	7072	34698	5566	2329
11:49	MP24967-D2	7652	38777	6160	2347
11:53	MP24967-MB2	7475	37307	5384	3035
11:57	MP24967-B2	7145	35547	5338	2675
12:13	MA10680-CCV6	6969	34636	5269	2459
12:19	MA10680-CCB6	7352	36384	5325	2989
12:24	MP24968-MB1	7337	35978	5434	2962
12:28	MP24968-B1	6834	34090	5166	2574
12:32	FA3550-1	7318	35505	5213	2794
12:36	MP24968-D1	7579	37243	5363	2900

INTERNAL STANDARD SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:40	MP24968-SD1	7388	36439	5353	2924
12:44	MP24968-PS1	7151	36291	5244	2657
12:49	MP24968-S1	7058	34689	5251	2554
12:52	MP24968-S2	7086	34776	5237	2577
12:56	ZZZZZZ	6978	34930	5381	2425
13:01	ZZZZZZ	7034	34930	5386	2523
13:05	MA10680-CCV7	7004	35251	5352	2531
13:09	MA10680-CCB7	7431	37077	5382	3025
13:13	ZZZZZZ	7230	35925	5383	2618
13:17	ZZZZZZ	7422	35872	5286	2934
13:21	ZZZZZZ	7245	35760	5594	2329
13:26	ZZZZZZ	7553	38188	5452	2998
13:31	ZZZZZZ	9230 !	45643	6704	2774
13:35	ZZZZZZ	7260	36503	5363	2842
13:39	ZZZZZZ	7586	37967	5697	2696
13:43	ZZZZZZ	7440	36965	5535	2699
13:47	MP24970-MB1	7501	37674	5468	3039
13:52	MP24970-B1	7200	36068	5422	2691
13:55	MA10680-CCV8	7052	35098	5326	2496
14:00	MA10680-CCB8	7401	36772	5353	3005
14:04	FA3413-1	6577	34880	5434	2444
14:08	MP24970-D1	7031	35177	5429	2675
14:12	MP24970-SD1	7278	36454	5374	2866
14:16	MP24970-PS1	7068	35333	5446	2614
14:20	MP24970-S1	6924	34182	5311	2479
14:24	MP24970-S2	6986	34517	5308	2508
14:28	ZZZZZZ	7234	36273	5517	2777
14:33	ZZZZZZ	7260	36248	5577	2838
14:37	ZZZZZZ	7282	36530	5441	2833
14:41	ZZZZZZ	7229	36135	5414	2757
14:45	MA10680-CCV9	7094	35738	5381	2517
14:49	MA10680-CCB9	7457	37274	5482	3023
14:53	ZZZZZZ	7301	36204	5450	2797

INTERNAL STANDARD SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10680
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:57	ZZZZZZ	7208	35798	5375	2804
15:01	ZZZZZZ	7071	35293	5524	2607
15:05	ZZZZZZ	7473	37706	5725	2852
15:10	ZZZZZZ	7066	35723	5640	2719
15:18	ZZZZZZ	7566	39663	6502	2900
15:22	ZZZZZZ	7597	39705	6521	2895
15:26	ZZZZZZ	9222 !	48014 !	7619 !	3117
15:30	ZZZZZZ	8830	45620	7225 !	3155
15:34	MA10680-CCV10	7606	39217	6413	2704
15:38	MA10680-CCB10	7921	40851	6321	3237
15:42	ZZZZZZ	8779	45179	7140 !	3106
15:46	ZZZZZZ	14096 !	73021 !	11568 !	3002
15:50	ZZZZZZ	7640	40099	6495	3027
15:55	ZZZZZZ	7568	39741	6364	2986
15:59	MP24970-MB2A	7963	41395	6341	3262
16:03	MP24970-MB3A	8008	41511	6355	3283
16:07	MA10680-CRIA2	7762	40238	6281	3097
16:11	MA10680-ICSA2	6694	34032	5812	2347
16:15	MA10680-ICSAB2	6735	34243	5911	2294
16:19	MA10680-CCV11	7478	38276	6114	2662
16:24	MA10680-CCB11	7879	40087	6138	3215

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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10680 Units: ug/l

Time:			07:37		08:17		09:08		09:58	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-7.5	<200	0.80	<200	-4.4	<200	-5.0	<200
Antimony	6.0	1.3	0.40	<6.0	-0.60	<6.0	-0.70	<6.0	-0.80	<6.0
Arsenic	10	1.6	-0.10	<10	-0.20	<10	-0.10	<10	0.20	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	-5.2	<1000	3.5	<1000	2.1	<1000	3.7	<1000
Chromium	10	1.8	-0.30	<10	0.30	<10	0.0	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-7.0	<300	1.2	<300	2.4	<300	2.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	1.3	<5000	19.6	<5000	13.5	<5000	-11	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	31.6	<10000	43.2	<10000	13.3	<10000	26.8	<10000
Selenium	10	2	0.40	<10	1.1	<10	1.1	<10	1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	16.8	<10000	38.6	<10000	92.5	<10000	81.2	<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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10680 Units: ug/l

Time:			10:51		11:40		12:19		13:09	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-2.5	<200	0.10	<200	-6.3	<200	2.5	<200
Antimony	6.0	1.3	-0.10	<6.0	-0.70	<6.0	-0.20	<6.0	-0.50	<6.0
Arsenic	10	1.6	0.0	<10	0.20	<10	0.10	<10	0.50	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	0.90	<1000	10.1	<1000	-0.40	<1000	8.1	<1000
Chromium	10	1.8	-0.20	<10	0.0	<10	0.0	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	0.90	<300	0.90	<300	-3.2	<300	2.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	10.6	<5000	3.2	<5000	4.8	<5000	11.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	3.6	<10000	28.6	<10000	-21	<10000	-1.1	<10000
Selenium	10	2	-0.10	<10	0.50	<10	0.70	<10	1.1	<10
Silver	10	.5	anr							
Sodium	10000	500	234	<10000	148	<10000	92.4	<10000	70.4	<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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10680 Units: ug/l

Time:			14:00		14:49		15:38		16:24	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	4.4	<200	-0.30	<200	7.4	<200	8.2	<200
Antimony	6.0	1.3	-1.3	<6.0	-0.80	<6.0	-1.0	<6.0	-0.70	<6.0
Arsenic	10	1.6	0.50	<10	0.40	<10	-0.10	<10	-0.10	<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	3.8	<1000	4.3	<1000	4.3	<1000	10.0	<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	-0.40	<300	0.30	<300	0.30	<300	3.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-5.3	<5000	3.6	<5000	11.4	<5000	11.0	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	-26	<10000	-28	<10000	-23	<10000	-18	<10000
Selenium	10	2	0.10	<10	0.80	<10	0.30	<10	1.4	<10
Silver	10	.5	anr							
Sodium	10000	500	60.9	<10000	95.8	<10000	127	<10000	77.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10680 Units: ug/l

Time:		07:27			08:09			09:04	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39000	97.5	40000	40000	100.0	40000	39800	99.5
Antimony	2000	1960	98.0	2000	1940	97.0	2000	2010	100.5
Arsenic	2000	1950	97.5	2000	1940	97.0	2000	1990	99.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	1980	99.0	2000	2000	100.0	2000	2020	101.0
Calcium	40000	39700	99.3	40000	40100	100.3	40000	39900	99.8
Chromium	2000	2020	101.0	2000	2040	102.0	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	38400	96.0	40000	38700	96.8	40000	39900	99.8
Lead	anr								
Magnesium	40000	37600	94.0	40000	39200	98.0	40000	39600	99.0
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	38700	96.8	40000	39200	98.0	40000	40100	100.3
Selenium	2000	1990	99.5	2000	1960	98.0	2000	2020	101.0
Silver	anr								
Sodium	40000	40100	100.3	40000	40200	100.5	40000	40100	100.3
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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10680 Units: ug/l

Time:		09:54			10:47			11:36	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39800	99.5	40000	39600	99.0
Antimony	2000	1960	98.0	2000	2000	100.0	2000	1920	96.0
Arsenic	2000	1940	97.0	2000	1990	99.5	2000	1920	96.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	1990	99.5	2000	2010	100.5	2000	1990	99.5
Calcium	40000	39300	98.3	40000	39800	99.5	40000	39300	98.3
Chromium	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	38700	96.8	40000	39300	98.3	40000	38000	95.0
Lead	anr								
Magnesium	40000	38800	97.0	40000	39400	98.5	40000	38200	95.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	39400	98.5	40000	40200	100.5	40000	39900	99.8
Selenium	2000	1960	98.0	2000	2020	101.0	2000	1930	96.5
Silver	anr								
Sodium	40000	39800	99.5	40000	40400	101.0	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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10680 Units: ug/l

Time:		12:13			13:05			13:55	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	39600	99.0	40000	40100	100.3
Antimony	2000	1930	96.5	2000	1980	99.0	2000	1930	96.5
Arsenic	2000	1930	96.5	2000	1970	98.5	2000	1930	96.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2000	100.0	2000	2000	100.0
Calcium	40000	40000	100.0	40000	39300	98.3	40000	39800	99.5
Chromium	2000	2080	104.0	2000	2020	101.0	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	38200	95.5	40000	39200	98.0	40000	38400	96.0
Lead	anr								
Magnesium	40000	38700	96.8	40000	38900	97.3	40000	38600	96.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	40000	100.0	40000	40400	101.0	40000	39900	99.8
Selenium	2000	1950	97.5	2000	1990	99.5	2000	1940	97.0
Silver	anr								
Sodium	40000	41100	102.8	40000	40200	100.5	40000	40900	102.3
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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10680 Units: ug/l

Time:		14:45			15:34			16:19	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	38900	97.3	40000	39300	98.3
Antimony	2000	1930	96.5	2000	1950	97.5	2000	1960	98.0
Arsenic	2000	1920	96.0	2000	1920	96.0	2000	1930	96.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	1990	99.5	2000	1930	96.5	2000	1950	97.5
Calcium	40000	39600	99.0	40000	38400	96.0	40000	38800	97.0
Chromium	2000	2000	100.0	2000	1930	96.5	2000	1960	98.0
Cobalt	anr								
Copper	anr								
Iron	40000	38400	96.0	40000	37200	93.0	40000	37800	94.5
Lead	anr								
Magnesium	40000	38400	96.0	40000	36200	90.5	40000	36800	92.0
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	39400	98.5	40000	38400	96.0	40000	38900	97.3
Selenium	2000	1940	97.0	2000	1950	97.5	2000	1960	98.0
Silver	anr								
Sodium	40000	40500	101.3	40000	39600	99.0	40000	39900	99.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10680 Units: ug/l

Time:		07:19	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79300	99.1
Antimony	4000	3970	99.3
Arsenic	4000	3960	99.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3950	98.8
Calcium	80000	79000	98.8
Chromium	4000	3970	99.3
Cobalt	anr		
Copper	anr		
Iron	80000	77700	97.1
Lead	anr		
Magnesium	80000	78200	97.8
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	79300	99.1
Selenium	4000	3960	99.0
Silver	anr		
Sodium	80000	79400	99.3
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10680 Units: ug/l

Time:			07:44		16:07	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	205	102.5	215	107.5
Antimony	10	5.0	4.1	82.0	5.1	102.0
Arsenic	20	10	9.5	95.0	10.3	103.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.0	100.0	5.0	100.0
Calcium	2000	1000	1040	104.0	1030	103.0
Chromium	20	10	10.2	102.0	10.0	100.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	307	102.3	306	102.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5010	100.2	4800	96.0
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	9710	97.1	9830	98.3
Selenium	20	10	10.7	107.0	10.0	100.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041613M1.ICP Date Analyzed: 04/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10680 Units: ug/l

Time:			07:54		08:00		16:11		16:15	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	503000	100.6	496000	99.2	513000	102.6	486000	97.2
Antimony		1000	0.30		980	98.0	-0.60		1010	101.0
Arsenic		1000	-1.1		1010	101.0	-0.30		1030	103.0
Barium		500	-0.30		501	100.2	-0.50		508	101.6
Beryllium		500	-0.30		474	94.8	-0.10		470	94.0
Cadmium		1000	-0.30		907	90.7	0.0		887	88.7
Calcium	500000	500000	477000	95.4	481000	96.2	475000	95.0	464000	92.8
Chromium		500	-1.0		477	95.4	-1.0		454	90.8
Cobalt		500	0.10		447	89.4	0.20		443	88.6
Copper		500	0.0		503	100.6	1.4		510	102.0
Iron	200000	200000	186000	93.0	185000	92.5	188000	94.0	181000	90.5
Lead		1000	-0.50		928	92.8	-13		882	88.2
Magnesium	500000	500000	465000	93.0	472000	94.4	460000	92.0	446000	89.2
Manganese		500	-0.70		476	95.2	-0.40		466	93.2
Molybdenum		1000	0.10		885	88.5	0.20		894	89.4
Nickel		1000	0.90		870	87.0	1.4		869	86.9
Potassium			53.8		52.3		11.2		-26	
Selenium		1000	0.0		948	94.8	-1.3		976	97.6
Silver		1000	0.30		943	94.3	0.30		938	93.8
Sodium			161		169		278		205	
Strontium		1000	12.1		1060	106.0	13.3		1050	105.0
Thallium		1000	1.4		899	89.9	0.90		891	89.1
Tin		1000	-0.80		889	88.9	-0.90		869	86.9
Titanium		1000	-2.5		993	99.3	-3.2		992	99.2
Vanadium		500	-0.20		472	94.4	0.0		460	92.0
Zinc		1000	0.80		916	91.6	3.1		876	87.6

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:02	MA10683-STD1	1		STDA
09:05	MA10683-STD2	1		STDB
09:09	MA10683-STD3	1		STDC
09:13	MA10683-STD4	1		STDD
09:20	MA10683-HSTD1	1		
09:29	MA10683-ICV1	1		
09:40	MA10683-ICB1	1		
09:43	MA10683-CRIA1	1		
09:53	MA10683-ICSA1	1		
10:01	MA10683-ICSAB1	1		
10:12	MA10683-CCV1	1		
10:21	MA10683-CCB1	1		
10:28	MP24981-MB1	1		
10:32	MP24981-B1	1		
10:36	FA3752-1	1		(sample used for QC only; not part of login FA3407)
10:40	MP24981-D1	1		
10:44	MP24981-SD1	5		
10:48	MP24981-PS1	1		
10:52	MP24981-S1	1		
10:56	MP24981-S2	1		
11:00	ZZZZZZ	1		
11:04	ZZZZZZ	1		
11:08	MA10683-CCV2	1		
11:12	MA10683-CCB2	1		
11:16	ZZZZZZ	1		
11:20	ZZZZZZ	1		
11:24	MP24977-MB1	1		
11:28	MP24977-B1	1		
11:32	FA3656-1	1		(sample used for QC only; not part of login FA3407)
11:36	MP24977-D1	1		
11:41	MP24977-SD1	5		
11:45	MP24977-S1	1		
11:49	MP24977-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:53	ZZZZZZ	1		
11:57	MA10683-CCV3	1		
12:01	MA10683-CCB3	1		
12:05	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:18	MP24977-D2	1		
12:22	MP24977-MB2	1		
12:26	MP24977-B2	1		
12:30	MP24978-MB1	1		
12:35	MP24978-B1	1		
12:38	FA3502-8F	1		(sample used for QC only; not part of login FA3407)
12:43	MP24978-D1	1		
12:47	MA10683-CCV4	1		
12:51	MA10683-CCB4	1		
12:55	MP24978-SD1	5		
12:59	MP24978-PS1	1		
13:03	MP24978-S1	1		
13:07	MP24978-S2	1		
13:11	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:37	MA10683-CCV5	1		
13:41	MA10683-CCB5	1		
13:45	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:57	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:06	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	14:10	ZZZZZZ	1		
	14:14	ZZZZZZ	1		
	14:18	ZZZZZZ	1		
	14:23	ZZZZZZ	1		
	14:27	MA10683-CCV6	1		
	14:31	MA10683-CCB6	1		
	14:35	ZZZZZZ	1		
	14:39	ZZZZZZ	1		
	14:44	FA3407-2	4		
---------->	Last reportable sample/prep for job FA3407				
	14:48	ZZZZZZ	4		
	14:52	ZZZZZZ	5		
	14:56	ZZZZZZ	50		
	15:00	ZZZZZZ	50		
	15:04	FA1093-3T	2		(sample used for QC only; not part of login FA3407)
	15:09	MP24967-D1	2		
	15:13	MP24967-S1	2		
	15:17	MA10683-CCV7	1		
	15:21	MA10683-CCB7	1		
	15:25	MP24967-S2	2		
	15:29	MP24967-SD1	10		
	15:33	ZZZZZZ	2		
	15:38	ZZZZZZ	2		
	15:42	ZZZZZZ	2		
	15:46	MP24967-D2	2		
	15:50	ZZZZZZ	2		
	15:54	ZZZZZZ	2		
	15:59	ZZZZZZ	2		
	16:03	FA3413-1	2		(sample used for QC only; not part of login FA3407)
	16:07	MA10683-CCV8	1		
	16:11	MA10683-CCB8	1		
	16:15	MP24970-D1	2		
	16:19	MP24970-S1	2		
	16:23	MP24970-S2	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:27	MP24970-PS1	2		
16:31	MP24970-SD1	10		
16:36	ZZZZZZ	10		
16:40	MP24979-MB1	1		
16:48	FA3423-4	1		(sample used for QC only; not part of login FA3407)
16:52	MP24979-D1	1		
16:56	MA10683-CCV9	1		
17:00	MA10683-CCB9	1		
17:04	MP24979-SD1	5		
17:08	MP24979-PS1	1		
17:12	MP24979-S1	1		
17:16	MP24979-S2	1		
17:20	ZZZZZZ	1		
17:24	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:45	MA10683-CCV10	1		
17:49	MA10683-CCB10	1		
17:53	ZZZZZZ	1		
17:57	ZZZZZZ	1		
18:02	ZZZZZZ	1		
18:06	ZZZZZZ	1		
18:10	ZZZZZZ	1		
18:15	ZZZZZZ	1		
18:19	ZZZZZZ	1		
18:23	ZZZZZZ	1		
18:27	ZZZZZZ	1		
18:31	ZZZZZZ	1		
18:35	MA10683-CCV11	1		
18:39	MA10683-CCB11	1		
18:44	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:48	ZZZZZZ	1		
18:52	ZZZZZZ	1		
18:56	MP24985-MB1	1		
19:00	MP24985-B1	1		
19:04	FA3738-1	1		(sample used for QC only; not part of login FA3407)
19:09	MP24985-D1	1		
19:13	MP24985-SD1	5		
19:17	MP24985-PS1	1		
19:21	MP24985-S1	1		
19:26	MA10683-CCV12	1		
19:30	MA10683-CCB12	1		
19:34	MP24985-S2	1		
19:38	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:47	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:56	ZZZZZZ	1		
20:00	ZZZZZZ	1		
20:05	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:18	MA10683-CCV13	1		
20:22	MA10683-CCB13	1		
20:26	ZZZZZZ	1		
20:31	ZZZZZZ	1		
20:35	ZZZZZZ	1		
20:40	MA10683-CRIA2	1		
20:44	MA10683-ICSA2	1		
20:48	MA10683-ICSAB2	1		
20:53	MA10683-CCV14	1		
20:57	MA10683-CCB14	1		

----------> Last reportable CCB for job FA3407
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:02	MA10683-STD1	7117	40660	7083	3000
09:05	MA10683-STD2	7006	39989	7061	2732
09:09	MA10683-STD3	6794	39161	7058	2468
09:13	MA10683-STD4	6426	37569	6990	2210
09:20	MA10683-HSTD1	6534	37499	7005	2193
09:29	MA10683-ICV1	6767	38318	7010	2431
09:40	MA10683-ICB1	7160 R	40921 R	7099 R	3007 R
09:43	MA10683-CRIA1	7036	40084	7015	2833
09:53	MA10683-ICSA1	6242	34464	6751	2168
10:01	MA10683-ICSAB1	6158	34318	6757	2102
10:12	MA10683-CCV1	6697	38235	6957	2431
10:21	MA10683-CCB1	7078	40678	6989	3012
10:28	MP24981-MB1	7355	42974	7302	3068
10:32	MP24981-B1	7142	41057	7243	2721
10:36	FA3752-1	7446	42239	7530	2790
10:40	MP24981-D1	7469	41991	7559	2719
10:44	MP24981-SD1	7349	41999	7243	2980
10:48	MP24981-PS1	7431	42540	7577	2739
10:52	MP24981-S1	7412	42205	7648	2578
10:56	MP24981-S2	7426	41851	7503	2641
11:00	ZZZZZZ	7553	42113	7625	2663
11:04	ZZZZZZ	7638	42947	7506	2839
11:08	MA10683-CCV2	6696	38884	6857	2437
11:12	MA10683-CCB2	7089	40616	6886	3023
11:16	ZZZZZZ	7568	43125	7606	2762
11:20	ZZZZZZ	7855	43821	7726	2867
11:24	MP24977-MB1	7212	42147	7058	3067
11:28	MP24977-B1	6918	39517	6977	2650
11:32	FA3656-1	6786	38691	7062	2624
11:36	MP24977-D1	6812	38477	6957	2640
11:41	MP24977-SD1	6972	39715	6940	2825
11:45	MP24977-S1	6746	38212	6951	2497
11:49	MP24977-S2	6695	38227	6994	2509

INTERNAL STANDARD SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:53	ZZZZZZ	6687	38304	6990	2623
11:57	MA10683-CCV3	6685	37991	6827	2455
12:01	MA10683-CCB3	7088	40565	6971	3019
12:05	ZZZZZZ	6803	38313	6959	2616
12:09	ZZZZZZ	7082	40152	7346	2616
12:14	ZZZZZZ	6819	38709	7003	2631
12:18	MP24977-D2	6783	38423	7030	2637
12:22	MP24977-MB2	6752	38075	6925	2623
12:26	MP24977-B2	6713	38164	7027	2496
12:30	MP24978-MB1	7166	41568	7045	3039
12:35	MP24978-B1	6930	39665	7038	2650
12:38	FA3502-8F	6978	40184	7037	2795
12:43	MP24978-D1	6965	40087	7009	2799
12:47	MA10683-CCV4	6665	38111	6778	2444
12:51	MA10683-CCB4	7009	40750	6870	3009
12:55	MP24978-SD1	7001	40573	6952	2948
12:59	MP24978-PS1	6911	39538	6988	2713
13:03	MP24978-S1	6776	38697	6969	2549
13:07	MP24978-S2	6814	38848	7007	2570
13:11	ZZZZZZ	6623	37942	6953	2529
13:15	ZZZZZZ	6761	38806	6946	2611
13:20	ZZZZZZ	6743	38755	6977	2605
13:24	ZZZZZZ	6728	38734	6962	2582
13:28	ZZZZZZ	6526	37443	6940	2487
13:32	ZZZZZZ	6716	38601	6959	2609
13:37	MA10683-CCV5	6585	37864	6791	2427
13:41	MA10683-CCB5	7033	40510	6909	3012
13:45	ZZZZZZ	6675	38573	6892	2594
13:49	ZZZZZZ	6651	38076	6935	2537
13:53	ZZZZZZ	6843	39076	6990	2655
13:57	ZZZZZZ	6493	36991	6855	2457
14:02	ZZZZZZ	6487	36647	6794	2464
14:06	ZZZZZZ	6483	36980	6704	2530

INTERNAL STANDARD SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:10	ZZZZZZ	6531	36751	6871	2486
14:14	ZZZZZZ	6457	36555	6694	2506
14:18	ZZZZZZ	6509	36136	6884	2478
14:23	ZZZZZZ	6452	36486	6673	2505
14:27	MA10683-CCV6	6685	38656	6952	2455
14:31	MA10683-CCB6	7161	41364	7108	3045
14:35	ZZZZZZ	6430	36385	6789	2508
14:39	ZZZZZZ	6498	36842	6854	2467
14:44	FA3407-2	6737	38884	7077	2612
14:48	ZZZZZZ	7807	44622	7797	2874
14:52	ZZZZZZ	7292	41031	7623	2547
14:56	ZZZZZZ	7504	43436	7508	2911
15:00	ZZZZZZ	7716	44000	7820	2728
15:04	FA1093-3T	6924	39449	7350	2441
15:09	MP24967-D1	7000	39709	7335	2451
15:13	MP24967-S1	6940	39576	7371	2397
15:17	MA10683-CCV7	6649	38233	6864	2440
15:21	MA10683-CCB7	7046	40647	6980	3007
15:25	MP24967-S2	6865	39505	7318	2395
15:29	MP24967-SD1	6928	40033	7142	2770
15:33	ZZZZZZ	6426	36905	6810	2506
15:38	ZZZZZZ	6624	37583	7123	2409
15:42	ZZZZZZ	6744	38243	7131	2436
15:46	MP24967-D2	7010	39960	7411	2454
15:50	ZZZZZZ	6792	39299	6976	2561
15:54	ZZZZZZ	7034	40387	7277	2539
15:59	ZZZZZZ	8082	46868	8053	2896
16:03	FA3413-1	6791	39472	6975	2701
16:07	MA10683-CCV8	6568	38136	6824	2438
16:11	MA10683-CCB8	6957	40168	6906	2997
16:15	MP24970-D1	6808	39607	6946	2710
16:19	MP24970-S1	6725	38698	7014	2584
16:23	MP24970-S2	6773	38749	6993	2605

INTERNAL STANDARD SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:27	MP24970-PS1	6795	39399	6959	2711
16:31	MP24970-SD1	6974	40923	7022	2950
16:36	ZZZZZZ	6886	39646	7069	2661
16:40	MP24979-MB1	7146	42383	7089	3060
16:48	FA3423-4	7748	44859	7867	2799
16:52	MP24979-D1	7707	44954	7853	2802
16:56	MA10683-CCV9	6633	38864	6873	2469
17:00	MA10683-CCB9	6986	41325	6994	3017
17:04	MP24979-SD1	7197	41858	7280	2930
17:08	MP24979-PS1	7754	44463	7856	2741
17:12	MP24979-S1	7628	44080	7891	2572
17:16	MP24979-S2	7570	43341	7833	2538
17:20	ZZZZZZ	7120	41580	7203	2859
17:24	ZZZZZZ	7197	42148	7173	2958
17:28	ZZZZZZ	7117	41827	7075	2932
17:32	ZZZZZZ	6792	38753	7730	2020
17:37	ZZZZZZ	7347	43086	7280	3000
17:41	ZZZZZZ	8772	49853	8848	2743
17:45	MA10683-CCV10	6689	38785	6855	2462
17:49	MA10683-CCB10	7029	41316	6893	3009
17:53	ZZZZZZ	9168 !	50896	9529 !	2420
17:57	ZZZZZZ	8944	50349	9305 !	2454
18:02	ZZZZZZ	11321 !	64495 !	11875 !	2361
18:06	ZZZZZZ	5906	33938	6766	1982
18:10	ZZZZZZ	22381 !	128840 !	24867 !	2051
18:15	ZZZZZZ	7736	44634	7773	2741
18:19	ZZZZZZ	8486	47922	8373	2773
18:23	ZZZZZZ	9928 !	56514 !	10302 !	2422
18:27	ZZZZZZ	14901 !	86379 !	15319 !	2524
18:31	ZZZZZZ	7436	41773	7617	2391
18:35	MA10683-CCV11	6813	39164	6875	2469
18:39	MA10683-CCB11	7143	41090	6961	3013
18:44	ZZZZZZ	6721	38421	7261	2252

INTERNAL STANDARD SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:48	ZZZZZZ	8283	47489	8291	2764
18:52	ZZZZZZ	6870	39381	7550	2146
18:56	MP24985-MB1	7228	42274	7096	3049
19:00	MP24985-B1	6861	39360	6879	2615
19:04	FA3738-1	4795	26893	6864	1226 !
19:09	MP24985-D1	4781	26933	6978	1223 !
19:13	MP24985-SD1	6027	33398	7143	1995
19:17	MP24985-PS1	4864	27393	6868	1261 !
19:21	MP24985-S1	4924	27494	7002	1247 !
19:26	MA10683-CCV12	6977	40900	7466	2555
19:30	MA10683-CCB12	7350	42659	7330	3112
19:34	MP24985-S2	4960	27715	6855	1257 !
19:38	ZZZZZZ	6168	36206	7193	2257
19:43	ZZZZZZ	6458	37856	7332	2421
19:47	ZZZZZZ	5183	29569	6562	1744 !
19:52	ZZZZZZ	6211	34912	7030	2206
19:56	ZZZZZZ	4488	24720	6501	1472 !
20:00	ZZZZZZ	6227	35891	7083	2240
20:05	ZZZZZZ	6423	37746	7183	2404
20:09	ZZZZZZ	5108	28624	7006	1647 !
20:14	ZZZZZZ	6087	35558	8803	2033
20:18	MA10683-CCV13	7641	47239	9900 !	2810
20:22	MA10683-CCB13	8065	50786	10047 !	3456
20:26	ZZZZZZ	6851	42594	9560 !	2577
20:31	ZZZZZZ	5674	32099	8590	1989
20:35	ZZZZZZ	5959	37479	9241 !	2158
20:40	MA10683-CRIA2	7914	49506	10081 !	3264
20:44	MA10683-ICSA2	6920	42290	9528 !	2434
20:48	MA10683-ICSAB2	6878	42086	9420 !	2370
20:53	MA10683-CCV14	7532	47172	9786 !	2763
20:57	MA10683-CCB14	8071	50444	9960 !	3459

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

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10683
Parameters: Na

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 %

6.2.1

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10683 Units: ug/l

Time:			09:40		10:21		11:12		12:01	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	30.2	<10000	22.1	<10000	34.5	<10000	116	<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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10683 Units: ug/l

Time:			12:51		13:41		14:31		15:21	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	85.5	<10000	82.4	<10000	133	<10000	98.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10683 Units: ug/l

Time:			16:11		17:00		17:49		18:39	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	68.2	<10000	61.2	<10000	53.5	<10000	49.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10683 Units: ug/l

Time:			19:30		20:22		20:57	
Sample ID:			CCB12		CCB13		CCB14	
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						
Nickel	40	.5	anr					
Potassium	10000	200	anr					
Selenium	10	2	anr					
Silver	10	.5	anr					
Sodium	10000	500	3550	<10000*a	2080	<10000*a	684	<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
(a) No samples for Na_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10683 Units: ug/l

Time:		09:29			10:12			11:08	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	41200	103.0	40000	40300	100.8	40000	40200	100.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10683 Units: ug/l

Time:		11:57			12:47			13:37	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40300	100.8	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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10683 Units: ug/l

Time:		14:27			15:17			16:07	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40400	101.0	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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10683 Units: ug/l

Time:		16:56			17:45			18:35	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40400	101.0	40000	40700	101.8	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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10683 Units: ug/l

Time:		19:26			20:18			20:53	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	37500	93.8	40000	32900	82.3*(a)	40000	37000	92.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10683 Units: ug/l

Time:		09:20	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	80000	79400	99.3
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10683 Units: ug/l

Time:			09:43		20:40	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	10800	108.0
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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041813M1.ICP Date Analyzed: 04/18/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10683 Units: ug/l

Time:			09:53		10:01		20:44		20:48	
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	488000	97.6	475000	95.0	470000	94.0
Antimony		1000	-1.6		983	98.3	-3.3		1030	103.0
Arsenic		1000	-1.4		1020	102.0	-1.5		1020	102.0
Barium		500	0.20		501	100.2	-0.10		515	103.0
Beryllium		500	0.0		476	95.2	0.0		447	89.4
Cadmium		1000	0.0		906	90.6	1.8		856	85.6
Calcium	500000	500000	479000	95.8	474000	94.8	433000	86.6	434000	86.8
Chromium		500	-0.80		473	94.6	-0.70		427	85.4
Cobalt		500	0.20		446	89.2	0.10		433	86.6
Copper		500	0.10		496	99.2	0.40		501	100.2
Iron	200000	200000	185000	92.5	184000	92.0	161000	80.5	161000	80.5
Lead		1000	0.70		919	91.9	-20 (a)		831	83.1
Magnesium	500000	500000	471000	94.2	473000	94.6	394000	78.8*(a)	399000	79.8*(a)
Manganese		500	-0.30		487	97.4	-0.20		440	88.0
Molybdenum		1000	0.30		895	89.5	0.50		886	88.6
Nickel		1000	-0.90		881	88.1	-1.0		842	84.2
Potassium			124		100		967		656	
Selenium		1000	0.90		951	95.1	0.50		976	97.6
Silver		1000	-0.40		945	94.5	-0.30		908	90.8
Sodium			188		184		2470		1660	
Strontium		1000	12.8		1040	104.0	13.6		1070	107.0
Thallium		1000	0.0		936	93.6	-0.40		886	88.6
Tin		1000	-0.40		889	88.9	-0.60		830	83.0
Titanium		1000	-2.1		1010	101.0	-3.3		940	94.0
Vanadium		500	0.0		469	93.8	0.40		439	87.8
Zinc		1000	3.2		918	91.8	1.4		817	81.7

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24964
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/15/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-1.0	<200
Antimony	6.0	1.3	1.3	0.0	<6.0
Arsenic	10	1.6	2.5	-0.70	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	-1.6	<1000
Chromium	10	1.8	2	-0.20	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-7.4	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-4.7	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-23	<10000
Selenium	10	2	2	1.2	<10
Silver	10	.5	.5		
Sodium	10000	500	500	24.9	<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 MP24964: FA3407-1, FA3407-2, FA3407-3

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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24964
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			04/15/13					04/15/13	
Metal	FA3409-1 Original	DUP	RPD	QC Limits	FA3409-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	155	157	1.3	0-20	155	27500	27000	101.3	80-120
Antimony	0.0	0.0	NC	0-20	0.0	497	500	99.4	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	1980	2000	99.0	80-120
Barium									
Beryllium									
Cadmium	0.70	0.70	0.0	0-20	0.70	51.0	50	100.6	80-120
Calcium	11900	12000	0.8	0-20	11900	37500	25000	102.4	80-120
Chromium	0.0	0.0	NC	0-20	0.0	211	200	105.5	80-120
Cobalt									
Copper									
Iron	1500	1540	2.6	0-20	1500	27500	26000	100.0	80-120
Lead	anr								
Magnesium	9920	10100	1.8	0-20	9920	34500	25000	98.3	80-120
Manganese	anr								
Molybdenum									
Nickel									
Potassium	1640	1650	0.6	0-20	1640	26800	25000	100.6	80-120
Selenium	0.0	0.0	NC	0-20	0.0	1970	2000	98.5	80-120
Silver									
Sodium	49800	50500	1.4	0-20	49800	75200	25000	101.6	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP24964: FA3407-1, FA3407-2, FA3407-3

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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24964
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/15/13

Metal	FA3409-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	155	27300	27000	100.5	0.7	20
Antimony	0.0	495	500	99.0	0.4	20
Arsenic	0.0	1970	2000	98.5	0.5	20
Barium						
Beryllium						
Cadmium	0.70	50.9	50	100.4	0.2	20
Calcium	11900	37100	25000	100.8	1.1	20
Chromium	0.0	210	200	105.0	0.5	20
Cobalt						
Copper						
Iron	1500	27400	26000	99.6	0.4	20
Lead	anr					
Magnesium	9920	34200	25000	97.1	0.9	20
Manganese	anr					
Molybdenum						
Nickel						
Potassium	1640	26600	25000	99.8	0.7	20
Selenium	0.0	1970	2000	98.5	0.0	20
Silver						
Sodium	49800	74400	25000	98.4	1.1	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP24964: FA3407-1, FA3407-2, FA3407-3

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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24964
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/15/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28500	27000	105.6	80-120
Antimony	519	500	103.8	80-120
Arsenic	2050	2000	102.5	80-120
Barium				
Beryllium				
Cadmium	53.2	50	106.4	80-120
Calcium	26800	25000	107.2	80-120
Chromium	222	200	111.0	80-120
Cobalt				
Copper				
Iron	26800	26000	103.1	80-120
Lead	anr			
Magnesium	25600	25000	102.4	80-120
Manganese	anr			
Molybdenum				
Nickel				
Potassium	25800	25000	103.2	80-120
Selenium	2050	2000	102.5	80-120
Silver				
Sodium	26400	25000	105.6	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24964: FA3407-1, FA3407-2, FA3407-3

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24964
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/15/13

Metal	FA3409-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	155	180	15.9 (a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium				
Cadmium	0.700	0.00	100.0(a)	0-10
Calcium	11900	12900	8.4	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron	1500	1580	5.1	0-10
Lead	anr			
Magnesium	9920	10700	8.1	0-10
Manganese	anr			
Molybdenum				
Nickel				
Potassium	1640	1680	2.6	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	49800	53300	7.1	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24964: FA3407-1, FA3407-2, FA3407-3

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: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24964
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/15/13

Metal	Sample ml	Final ml	FA3409-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	155.1	151.998	2504	0.2	125	2500	94.1	80-120
Antimony	9.8	10	0	0	92.8	0.2	5	100	92.8	80-120
Arsenic	9.8	10	0	0	94	0.2	5	100	94.0	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0.7	0.686	49.5	0.2	2.5	50	97.6	80-120
Calcium	9.8	10	11900	11662	17170	0.2	250	5000	110.2	80-120
Chromium	9.8	10	0	0	50.2	0.2	2.5	50	100.4	80-120
Cobalt										
Copper										
Iron	9.8	10	1504	1473.92	4308	0.2	150	3000	94.5	80-120
Lead										
Magnesium	9.8	10	9924	9725.52	14340	0.2	250	5000	92.3	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	1639	1606.22	10930	0.2	500	10000	93.2	80-120
Selenium	9.8	10	0	0	93.5	0.2	5	100	93.5	80-120
Silver										
Sodium	9.8	10	49790	48794.2	58200	0.2	500	10000	94.1	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24964: FA3407-1, FA3407-2, FA3407-3

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

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: FA3407
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	GN55167	5.0	1.6	mg/l	250	240	96.0	90-113%
Bromide	GP21399/GN55123	0.50	0.0	mg/l	12.5	13.1	104.8	90-110%
Chloride	GP21399/GN55123	2.0	0.0	mg/l	50	52.5	105.0	90-110%
Fluoride	GP21476/GN55296	0.20	0.0	mg/l	2.5	2.68	107.2	90-110%
Nitrogen, Nitrate	GP21399/GN55123	0.10	0.0	mg/l	2.5	2.50	100.0	90-110%
Nitrogen, Nitrite	GP21399/GN55123	0.10	0.0	mg/l	2.5	2.52	100.8	90-110%
Phosphate, Ortho	GP21376/GN55070	0.10	0.0	mg/l	0.300	0.31	102.9	83-116%
Phosphorus, Total	GP21403/GN55143	0.10	0.0	mg/l	.300	0.30	99.4	81-118%
Solids, Total Dissolved	GN55180	100	0.0	mg/l				
Specific Conductivity	GN55087	1.0	0.0	umhos/cm				
Sulfate	GP21399/GN55123	2.0	0.0	mg/l	50	49.9	99.8	90-110%

Associated Samples:
Batch GN55087: FA3407-1, FA3407-2, FA3407-3
Batch GN55167: FA3407-1, FA3407-2, FA3407-3
Batch GN55180: FA3407-1, FA3407-2, FA3407-3
Batch GP21376: FA3407-1F, FA3407-2F, FA3407-3F
Batch GP21399: FA3407-1, FA3407-2, FA3407-3
Batch GP21403: FA3407-1, FA3407-2, FA3407-3
Batch GP21476: FA3407-1, FA3407-2, FA3407-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3407
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	GN55167	FA3367-1	mg/l	125	124	0.8	0-20%
Phosphate, Ortho	GP21376/GN55070	FA3390-7	mg/l	0.15	0.15	2.9	0-26%
Phosphorus, Total	GP21403/GN55143	FA3408-1	mg/l	0.26	0.27	3.4	0-22%
Solids, Total Dissolved	GN55180	FA3390-7	mg/l	269	265	1.5	0-5%
Specific Conductivity	GN55087	FA3407-1	umhos/cm	1750	1750	0.1	0-10%
pH	GN55088	FA3407-1	su	6.84	6.77	1.0	0-10%

Associated Samples:
Batch GN55087: FA3407-1, FA3407-2, FA3407-3
Batch GN55088: FA3407-1, FA3407-2, FA3407-3
Batch GN55167: FA3407-1, FA3407-2, FA3407-3
Batch GN55180: FA3407-1, FA3407-2, FA3407-3
Batch GP21376: FA3407-1F, FA3407-2F, FA3407-3F
Batch GP21403: FA3407-1, FA3407-2, FA3407-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3407
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	GN55167	FA3367-1	mg/l	125	250	378	101.0	90-113%
Bromide	GP21399/GN55123	FA3413-3	mg/l	0.0	12.5	7.5	60.0N(a)	90-110%
Chloride	GP21399/GN55123	FA3413-3	mg/l	17.8	50	66.4	97.2	90-110%
Fluoride	GP21476/GN55296	FA3410-1	mg/l	0.10	2.5	3.1	120.0N(a)	90-110%
Nitrogen, Nitrate	GP21399/GN55123	FA3413-3	mg/l	0.0	2.5	2.4	96.0	90-110%
Nitrogen, Nitrite	GP21399/GN55123	FA3413-3	mg/l	0.0	2.5	2.3	92.0	90-110%
Phosphate, Ortho	GP21376/GN55070	FA3390-7	mg/l	0.15	0.300	0.42	89.4	83-116%
Phosphorus, Total	GP21403/GN55143	FA3408-1	mg/l	0.26	.300	0.58	108.0	81-118%
Sulfate	GP21399/GN55123	FA3413-3	mg/l	99.3	50	142	85.4N(a)	90-110%

Associated Samples:
Batch GN55167: FA3407-1, FA3407-2, FA3407-3
Batch GP21376: FA3407-1F, FA3407-2F, FA3407-3F
Batch GP21399: FA3407-1, FA3407-2, FA3407-3
Batch GP21403: FA3407-1, FA3407-2, FA3407-3
Batch GP21476: FA3407-1, FA3407-2, FA3407-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3407
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	GP21399/GN55123	FA3413-3	mg/l	0.0	12.5	7.4	1.3	20%
Chloride	GP21399/GN55123	FA3413-3	mg/l	17.8	50	66.6	0.3	20%
Fluoride	GP21476/GN55296	FA3410-1	mg/l	0.10	2.5	3.1	0.0	20%
Nitrogen, Nitrate	GP21399/GN55123	FA3413-3	mg/l	0.0	2.5	2.4	0.0	20%
Nitrogen, Nitrite	GP21399/GN55123	FA3413-3	mg/l	0.0	2.5	2.4	4.3	20%
Phosphorus, Total	GP21403/GN55143	FA3408-1	mg/l	0.26	.300	0.614	5.2	22%
Sulfate	GP21399/GN55123	FA3413-3	mg/l	99.3	50	141	0.7	20%

Associated Samples:
Batch GP21399: FA3407-1, FA3407-2, FA3407-3
Batch GP21403: FA3407-1, FA3407-2, FA3407-3
Batch GP21476: FA3407-1, FA3407-2, FA3407-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050401.TXT Date Analyzed: 04/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55123
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:05	GN55123-CCV1	1		
12:21	GP21399-MB1	1		
12:36	GP21399-B1	1		
13:25	ZZZZZZ	1		
13:40	ZZZZZZ	5		
13:56	FA3407-2	50		
14:12	FA3407-3	1		
14:28	ZZZZZZ	1		
14:44	FA3407-1	5		
15:00	GN55123-CCV2	1		
15:16	GN55123-CCB1	1		
15:31	ZZZZZZ	2		
15:47	ZZZZZZ	1		
16:03	ZZZZZZ	5		
16:19	ZZZZZZ	1		
16:35	FA3413-3	1		(sample used for QC only; not part of login FA3407)
16:51	FA3413-7	1		(sample used for QC only; not part of login FA3407)
17:07	ZZZZZZ	1		
17:23	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:54	ZZZZZZ	5		
18:10	GN55123-CCV3	1		
18:26	GN55123-CCB2	1		
18:42	ZZZZZZ	1		
18:58	ZZZZZZ	2		
19:14	ZZZZZZ	2		
19:30	ZZZZZZ	1		
19:45	GP21399-S1	1		
20:01	GP21399-S2	1		
20:17	GP21399-S3	1		
20:33	GP21399-S4	1		
20:49	GN55123-CCV4	1		
21:05	GP21400-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050401.TXT Date Analyzed: 04/05/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55123
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:21	GP21400-B1	1		
22:08	ZZZZZZ	5		
22:24	ZZZZZZ	1		
22:40	ZZZZZZ	5		
22:56	ZZZZZZ	1		
23:12	ZZZZZZ	2		
23:28	ZZZZZZ	1		
23:44	GN55123-CCV5	1		
23:59	GN55123-CCB3	1		
00:15	ZZZZZZ	1		
00:32	ZZZZZZ	1		
00:48	ZZZZZZ	25		
01:04	ZZZZZZ	1		
01:21	ZZZZZZ	1		
01:36	ZZZZZZ	5		
01:52	FA3362-1	1		(sample used for QC only; not part of login FA3407)
02:08	FA3362-2	1		(sample used for QC only; not part of login FA3407)
02:24	ZZZZZZ	1		
02:41	ZZZZZZ	1		
02:57	GN55123-CCV6	1		
03:12	GN55123-CCB4	1		
03:28	ZZZZZZ	1		
03:44	ZZZZZZ	1		
04:00	ZZZZZZ	1		
04:16	ZZZZZZ	1		
04:32	GP21400-S1	1		
04:48	GP21400-S2	1		
05:03	GP21400-S3	1		
05:19	GP21400-S4	1		
05:35	GN55123-CCV7	1		
05:51	GN55123-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313050401.TXT Date Analyzed: 04/05/13 Methods: EPA 300/SW846 9056A
Run ID: GN55123 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55123-CCV1	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN55123-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV1	Sulfate	52.2	2.0	0.60	50	104.4	90-110
GN55123-CCV2	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN55123-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV2	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN55123-CCB1	Chloride	0.80 U	2.0	0.80			
GN55123-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55123-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55123-CCV3	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN55123-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV3	Sulfate	51.6	2.0	0.60	50	103.2	90-110
GN55123-CCB2	Chloride	0.80 U	2.0	0.80			
GN55123-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55123-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55123-CCV4	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN55123-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV4	Sulfate	52.1	2.0	0.60	50	104.2	90-110
GN55123-CCV5	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN55123-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV5	Sulfate	51.6	2.0	0.60	50	103.2	90-110
GN55123-CCB3	Chloride	0.80 U	2.0	0.80			
GN55123-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55123-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55123-CCV6	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN55123-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV6	Sulfate	51.9	2.0	0.60	50	103.8	90-110
GN55123-CCB4	Chloride	0.80 U	2.0	0.80			
GN55123-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55123-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55123-CCV7	Chloride	51.5	2.0	0.80	50	103.0	90-110
GN55123-CCV7	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55123-CCV7	Sulfate	52.5	2.0	0.60	50	105.0	90-110
GN55123-CCB5	Chloride	0.80 U	2.0	0.80			
GN55123-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55123-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55187
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:32	GN55187-CCV1	1		
10:48	GP21424-MB1	1		
11:04	GP21424-B1	1		
12:07	ZZZZZZ	5		
12:23	ZZZZZZ	5		
12:39	ZZZZZZ	5		
13:27	GN55187-CCV2	1		
13:42	GN55187-CCB1	1		
13:58	ZZZZZZ	50		
14:14	ZZZZZZ	50		
14:30	FA3407-1	10		
14:46	ZZZZZZ	2		
15:02	ZZZZZZ	2		
15:34	ZZZZZZ	50		
15:50	ZZZZZZ	5		
16:05	ZZZZZZ	1000		
16:21	ZZZZZZ	2		
16:37	GN55187-CCV3	1		
16:53	GN55187-CCB2	1		
17:09	ZZZZZZ	50		
17:25	ZZZZZZ	50		
17:41	ZZZZZZ	5		
17:57	ZZZZZZ	1		
18:13	ZZZZZZ	1		
18:29	ZZZZZZ	1		
18:44	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:48	GN55187-CCV4	1		
20:04	GN55187-CCB3	1		
20:20	ZZZZZZ	1		
20:36	FA3401-1	1		(sample used for QC only; not part of login FA3407)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55187
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:52	ZZZZZZ	1		
21:07	FA3401-3	1		(sample used for QC only; not part of login FA3407)
21:23	ZZZZZZ	5		
21:39	ZZZZZZ	1		
21:55	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:27	ZZZZZZ	25		
22:43	ZZZZZZ	1		
22:59	GN55187-CCV5	1		
23:15	GN55187-CCB4	1		
23:30	GP21424-S1	1		
23:46	GP21424-S2	1		
00:02	GP21424-S3	1		
00:18	GP21424-S4	1		
00:34	GN55187-CCV6	1		
00:50	GP21425-MB1	1		
01:06	GP21425-B1	1		
02:09	FA3401-11	1		(sample used for QC only; not part of login FA3407)
02:25	ZZZZZZ	1		
02:41	ZZZZZZ	5		
02:57	ZZZZZZ	1		
03:13	ZZZZZZ	1		
03:29	GN55187-CCV7	1		
03:45	GN55187-CCB5	1		
04:01	ZZZZZZ	100		
04:17	GP21425-S1	1		
04:32	GP21425-S2	1		
04:48	GN55187-CCV8	1		
05:04	GN55187-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Run ID: GN55187 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55187-CCV1	Sulfate	51.4	2.0	0.60	50	102.8	90-110
GN55187-CCV2	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN55187-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV3	Sulfate	52.4	2.0	0.60	50	104.8	90-110
GN55187-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV4	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN55187-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV5	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN55187-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV6	Sulfate	51.6	2.0	0.60	50	103.2	90-110
GN55187-CCB6	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213110401.TXT Date Analyzed: 04/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55296
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:07	GN55296-CCV1	1		
09:29	GP21476-MB1	1		
09:45	GP21476-B1	1		
10:33	FA3407-1	5		
10:49	FA3407-2	50		
11:05	FA3407-3	1		
11:21	ZZZZZZ	25		
11:36	ZZZZZZ	25		
11:52	FA3410-1	1		(sample used for QC only; not part of login FA3407)
14:03	GN55296-CCV2	1		
14:19	GN55296-CCB1	1		
14:53	GP21476-S1	1		
15:08	GP21476-S2	1		
15:24	GN55296-CCV3	1		
15:40	GN55296-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3407
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213110401.TXT Date Analyzed: 04/11/13 Methods: EPA 300/SW846 9056A
Run ID: GN55296 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55296-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN55296-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55296-CCB1	Fluoride	0.082	0.20	0.060			
GN55296-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55296-CCB2	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

Reissue #1
04/26/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA3440

Sampling Date: 04/04/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

Total number of pages in report: **85**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

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

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Test results relate only to samples analyzed.

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April 25, 2013

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

RE: Accutest job FA3440 Reissue

Dear Mr. Huff,

The final report for job number FA3440 been edited to reflect the following corrections. These edits have been incorporated into the revised report.

The metals and fluoride results have been corrected.

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

Sincerely,

Accutest Laboratories, SE

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

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA3440

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
FA3440-1	04/04/13	14:55	JP	04/06/13	AQ	Ground Water	A-34-022
FA3440-1F	04/04/13	14:55	JP	04/06/13	AQ	Groundwater Filtered	A-34-022
FA3440-2	04/04/13	12:15	JP	04/06/13	AQ	Ground Water	MWB-120
FA3440-2F	04/04/13	12:15	JP	04/06/13	AQ	Groundwater Filtered	MWB-120

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA3440

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 4/24/2013 10:09:56 AM

2 Sample(s) were collected on 04/04/2013 and were received at Accutest SE on 04/06/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA3440. 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:** MP24971

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) FA3442-1DUP, FA3442-1MS, FA3442-1MSD, FA3442-1PS, FA3442-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Iron, Potassium are outside control limits for sample MP24971-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

FA3440-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA3440-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA3440-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA3440-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA3440-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA3440-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55115

All method blanks for this batch meet method specific criteria.

Sample(s) FA3440-2DUP was used as the QC samples for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA3440-1, FA3440-2. Samples received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21418

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) FA3408-1MS, FA3408-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA3440-1 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

FA3440-2 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

Matrix: AQ **Batch ID:** GP21478

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) FA3440-2MS, FA3440-2MSD were used as the QC samples for Fluoride.

Matrix Spike 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 365.3

Matrix: AQ **Batch ID:** GP21394

All method blanks for this batch meet method specific criteria.

Sample(s) FA3440-1FDUP, FA3440-1FMS were used as the QC samples for Phosphate, Ortho.

The following samples were prepped outside of holding time for method EPA 365.3: FA3440-1F. Sample analyzed beyond hold 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:** GP21408

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) FA3440-2FDUP, FA3440-2FMS 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.

Matrix: AQ **Batch ID:** GP21459

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3531-2DUP, FA3531-2MS were used as the QC samples for Phosphorus, Total.

GP21459-S1 for Phosphorus, Total: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

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

Matrix: AQ **Batch ID:** GN55129

Sample(s) FA3440-2DUP was used as the QC sample for pH.

FA3440-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA3440-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55244

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3557-6DUP, FA3557-6MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55196

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3531-4DUP was used as the QC sample for Solids, Total Dissolved.

Matrix: AQ **Batch ID:** GN55263

All method blanks for this batch meet method specific criteria.

Sample(s) FA3557-4DUP was used as the QC sample for Solids, Total Dissolved.

The following sample was run outside of holding time for method SM19 2540C: FA3440-1. Sample exceeded hold time due to reanalysis.

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

Narrative prepared by:

_____ Date: April 24, 2013

Kim Benham, Client Services (signature on file)

Narrative revised by:

_____ Date: April 26, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA3440
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/04/13

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3440-1	**A-34-022**					
Aluminum		1300	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.24	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		3.1	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		557	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.8	0.050	0.010	mg/l	SW846 6010C
Iron		1260	1.5	0.15	mg/l	SW846 6010C
Magnesium		894	25	0.37	mg/l	SW846 6010C
Potassium		394	50	1.0	mg/l	SW846 6010C
Sodium		701	100	5.0	mg/l	SW846 6010C
Chloride		449	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		4640	400	120	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]		10.2	10	5.0	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2150	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved [c]		28300	2000	200	mg/l	SM19 2540C
Specific Conductivity [d]		15300	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		15500	2000	600	mg/l	EPA 300/SW846 9056A
pH [e]		2.34			su	SM 4500H B/SW 9040C
FA3440-1F	**A-34-022**					
Phosphate, Ortho [b]		1800	500	100	mg/l	EPA 365.3
FA3440-2	**MWB-120**					
Aluminum		0.576	0.20	0.015	mg/l	SW846 6010C
Cadmium		0.00260 J	0.0050	0.00050	mg/l	SW846 6010C
Calcium		145	1.0	0.050	mg/l	SW846 6010C
Magnesium		54.2	5.0	0.074	mg/l	SW846 6010C
Potassium		4.65 J	10	0.20	mg/l	SW846 6010C
Selenium		0.027	0.010	0.0020	mg/l	SW846 6010C
Sodium		33.7	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		243	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		244	5.0	0.60	mg/l	SM19 2320B
Chloride		28.6	10	4.0	mg/l	EPA 300/SW846 9056A
Fluoride		23.0	1.0	0.30	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]		4.0	0.50	0.25	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		1.5	0.50	0.14	mg/l	EPA 365.3
Solids, Total Dissolved		822	100	10	mg/l	SM19 2540C
Specific Conductivity [d]		970	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		282	10	3.0	mg/l	EPA 300/SW846 9056A
pH [e]		7.08			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA3440
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/04/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3440-2F	**MWB-120**					
Phosphate, Ortho		1.4	0.50	0.095	mg/l	EPA 365.3

(a) Elevated reporting limit(s) due to matrix interference.
(b) Sample analyzed beyond hold time.
(c) Sample exceeded hold time due to reanalysis.
(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-34-022		
Lab Sample ID:	FA3440-1	**Date Sampled:**	04/04/13
Matrix:	AQ - Ground Water	**Date Received:**	04/06/13
		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	1300	1.0	0.075	mg/l	5	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	0.24	0.050	0.013	mg/l	5	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	3.1	0.025	0.0025	mg/l	5	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	557	5.0	0.25	mg/l	5	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2.8	0.050	0.010	mg/l	5	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	1260	1.5	0.15	mg/l	5	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	894	25	0.37	mg/l	5	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	394	50	1.0	mg/l	5	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	701	100	5.0	mg/l	10	04/16/13	04/22/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10685
(2) Prep QC Batch: MP24971

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA3440-1	**Date Sampled:**	04/04/13
Matrix:	AQ - Ground Water	**Date Received:**	04/06/13
		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	04/15/13 09:20	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/15/13 09:20	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	04/15/13 09:20	HH	SM19 2320B
Chloride	449	200	80	mg/l	100	04/06/13 20:51	AA	EPA 300/SW846 9056A
Fluoride	4640	400	120	mg/l	2000	04/15/13 15:23	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	10.2	10	5.0	mg/l	100	04/06/13 20:51	AA	EPA 300/SW846 9056A
Phosphorus, Total	2150	1000	280	mg/l	10000	04/15/13 09:40	LE	EPA 365.3
Solids, Total Dissolved [b]	28300	2000	200	mg/l	20	04/15/13 11:30	KC	SM19 2540C
Specific Conductivity [c]	15300	1.0	1.0	umhos/cm	1	04/06/13 15:05	LE	EPA 120.1
Sulfate	15500	2000	600	mg/l	1000	04/09/13 16:05	AA	EPA 300/SW846 9056A
pH [d]	2.34			su	1	04/04/13 15:10	JA	SM 4500H B/SW 9040C

(a) Sample analyzed beyond hold time.
(b) Sample exceeded hold time due to reanalysis.
(c) Sample received outside the holding time.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA3440-1F	**Date Sampled:**	04/04/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/06/13
		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 [a]	1800	500	100	mg/l	5000	04/08/13 13:40	LE	EPA 365.3

(a) Sample analyzed beyond hold time.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	MWB-120		
Lab Sample ID:	FA3440-2	**Date Sampled:**	04/04/13
Matrix:	AQ - Ground Water	**Date Received:**	04/06/13
		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	0.576	0.20	0.015	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00260 J	0.0050	0.00050	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	145	1.0	0.050	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.029 U	0.30	0.029	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	54.2	5.0	0.074	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	4.65 J	10	0.20	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.027	0.010	0.0020	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	33.7	10	0.50	mg/l	1	04/16/13	04/17/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10690
(2) Prep QC Batch: MP24971

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	MWB-120		
Lab Sample ID:	FA3440-2	**Date Sampled:**	04/04/13
Matrix:	AQ - Ground Water	**Date Received:**	04/06/13
		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	243	5.0	5.0	mg/l	1	04/15/13 09:20	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/15/13 09:20	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	244	5.0	0.60	mg/l	1	04/15/13 09:20	HH	SM19 2320B
Chloride	28.6	10	4.0	mg/l	5	04/06/13 21:06	AA	EPA 300/SW846 9056A
Fluoride	23.0	1.0	0.30	mg/l	5	04/15/13 14:35	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	4.0	0.50	0.25	mg/l	5	04/06/13 21:06	AA	EPA 300/SW846 9056A
Phosphorus, Total	1.5	0.50	0.14	mg/l	5	04/15/13 09:40	LE	EPA 365.3
Solids, Total Dissolved	822	100	10	mg/l	1	04/11/13 16:07	KC	SM19 2540C
Specific Conductivity [b]	970	1.0	1.0	umhos/cm	1	04/06/13 15:05	LE	EPA 120.1
Sulfate	282	10	3.0	mg/l	5	04/06/13 21:06	AA	EPA 300/SW846 9056A
pH [c]	7.08			su	1	04/04/13 15:10	JA	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:	MWB-120		
Lab Sample ID:	FA3440-2F	**Date Sampled:**	04/04/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/06/13
		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	1.4	0.50	0.095	mg/l	5	04/06/13 12:00	JA	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA3440 PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

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

Project Information

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

Analytical Information: SEE ATTACHED

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

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By:	Matrix	Total # of Bottles	Other	None	HCl	HCl	HNO3	H2SO4	NaOH+ZnAc	DI Water	NaOH	LAB USE ONLY
1	A-34-022	040413	1455		GW	4		X			X	X			X	
2	MW B-120	040413	1215		GW	4		X			X	X			X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

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

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	040413 1615	2 FX	3 FX	4.16.13	4 J. Costanza (ALS) 10:20
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

FA3440: Chain of Custody
Page 1 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA3440 CLIENT: WSP PROJECT: AGalum

DATE/TIME RECEIVED: 4.6.13 10:00 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8013 5716 3172

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
- [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: NO BOTTLE OPO4 RECEIVED FOR Sample # 1 RECEIVED 2 (250) TPO4

TECHNICIAN SIGNATURE/DATE [signature] 4-6-13 REVIEWER SIGNATURE/DATE [signature] 04/06/13

NF 12/10 receipt confirmation 122910.xls

5.1

5

FA3440: Chain of Custody

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Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

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

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

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

Job Change Order: FA3440_4/8/2013

Requested Date:	4/8/2013	**Received Date:**	4/6/2013
Account Name:	WSP Environment & Energy	**Due Date:**	4/22/2013
Project Description:	Nu-West Conda Phosphate Operations, 3010	**Deliverable:**	REDT1
CSR:	AC	**TAT (Days):**	14

Sample #:
FA3440-1

Change: Please lab filter an aliquot and analyze OPO4.

A-34-022

Above Changes Tim Huff **Date:** 4/8/2013

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

Page 1 of 1

Southeast ACCUTEST LABORATORIES

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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:20	MA10685-STD1	1		STDA
08:25	MA10685-STD2	1		STDB
08:28	MA10685-STD3	1		STDC
08:33	MA10685-STD4	1		STDD
08:39	MA10685-HSTD1	1		
08:47	MA10685-ICV1	1		
08:55	MA10685-ICB1	1		
08:59	MA10685-CRIA1	1		
09:10	MA10685-ICSA1	1		
09:18	MA10685-ICSAB1	1		
09:26	MA10685-CCV1	1		
09:40	MA10685-CCB1	1		
09:44	MP24972-MB1	1		
09:49	MP24972-B1	1		
09:53	FA3483-1	1		(sample used for QC only; not part of login FA3440)
09:57	MP24972-D1	1		
10:01	MP24972-SD1	5		
10:05	MP24972-PS1	1		
10:09	MP24972-S1	1		
10:13	MP24972-S2	1		
10:17	ZZZZZZ	1		
10:22	ZZZZZZ	1		
10:26	MA10685-CCV2	1		
10:30	MA10685-CCB2	1		
10:39	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:48	ZZZZZZ	1		
10:52	ZZZZZZ	1		
10:57	ZZZZZZ	1		
11:01	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:13	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:18	MA10685-CCV3	1		
11:22	MA10685-CCB3	1		
11:26	ZZZZZZ	1		
11:30	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:39	ZZZZZZ	1		
11:43	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:51	ZZZZZZ	1		
11:55	MP24971-MB1	1		
12:00	MP24971-B1	1		
12:04	FA3442-1	1		(sample used for QC only; not part of login FA3440)
12:08	MA10685-CCV4	1		
12:12	MA10685-CCB4	1		
12:16	MP24971-D1	1		
12:21	MP24971-SD1	5		
12:25	MP24971-PS1	1		
12:29	MP24971-S1	1		
12:33	MP24971-S2	1		
12:37	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:59	MA10685-CCV5	1		
13:03	MA10685-CCB5	1		
13:07	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:42	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:46	ZZZZZZ	1		
13:51	MA10685-CCV6	1		
13:55	MA10685-CCB6	1		
14:08	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:17	MP24971-MB2A	1		
14:22	MP24973-MB1	1		
14:30	FA3629-1F	1		(sample used for QC only; not part of login FA3440)
14:35	MP24973-B1	1		
14:39	MP24973-D1	1		
14:43	MA10685-CCV7	1		
14:47	MA10685-CCB7	1		
15:24	MA10685-CCV8	1		
15:32	MA10685-CCB8	1		
15:36	MP24973-SD1	5		
15:40	MP24973-PS1	1		
15:44	MP24973-S1	1		
15:48	MP24973-S2	1		
15:52	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:17	MA10685-CCV9	1		
16:21	MA10685-CCB9	1		
16:26	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:51	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:55	ZZZZZZ	1		
17:00	ZZZZZZ	1		
17:08	MA10685-CCV10	1		
17:12	MA10685-CCB10	1		
17:17	ZZZZZZ	1		
17:25	ZZZZZZ	1		
17:30	MP24973-MB2	1		
17:34	MP24975-MB1	1		
17:38	MP24975-B1	1		
17:42	FA3572-1	1		(sample used for QC only; not part of login FA3440)
17:46	MP24975-D1	1		
17:51	MP24975-SD1	5		
17:55	MP24975-PS1	1		
17:59	MA10685-CCV11	1		
18:03	MA10685-CCB11	1		
18:07	MP24975-S1	1		
18:11	MP24975-S2	1		
18:15	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:24	ZZZZZZ	1		
18:28	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:37	ZZZZZZ	1		
18:41	ZZZZZZ	1		
18:45	ZZZZZZ	1		
18:49	MA10685-CCV12	1		
18:53	MA10685-CCB12	1		
18:58	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:06	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:15	ZZZZZZ	1		
19:19	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:24	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:36	ZZZZZZ	1		
19:41	MA10685-CCV13	1		
19:45	MA10685-CCB13	1		
19:49	MP24975-MB2A	1		
19:53	MP24976-MB1	1		
19:58	MP24976-B1	1		
20:02	FA3595-1	1		(sample used for QC only; not part of login FA3440)
20:06	MP24976-D1	1		
20:10	MP24976-SD1	5		
20:14	MP24976-PS1	1		
20:19	MP24976-S1	1		
20:22	MP24976-S2	1		
20:26	ZZZZZZ	1		
20:31	MA10685-CCV14	1		
20:35	MA10685-CCB14	1		
20:39	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:56	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:23	MA10685-CCV15	1		
21:27	MA10685-CCB15	1		
21:41	ZZZZZZ	1		
21:45	ZZZZZZ	1		
21:49	ZZZZZZ	1		
21:54	ZZZZZZ	1		
21:58	ZZZZZZ	1		
22:02	ZZZZZZ	1		
22:07	MP24976-MB2A	1		
22:11	MA10685-CRIA2	1		
22:15	MA10685-CCV16	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:19	MA10685-CCB16	1		
22:23	MA10685-ICSA2	1		
22:28	MA10685-ICSAB2	1		
22:32	MA10685-CCV17	1		
22:36	MA10685-CCB17	1		
12:41	FA3440-1	10		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:20	MA10685-STD1	3956	29658	7307	1933
08:25	MA10685-STD2	3868	28937	7331	1811
08:28	MA10685-STD3	3700	27506	7306	1643
08:33	MA10685-STD4	3640	27526	7301	1494
08:39	MA10685-HSTD1	3635	27328	7218	1488
08:47	MA10685-ICV1	3676	27596	7078	1594
08:55	MA10685-ICB1	3907 R	29937 R	7413 R	1958 R
08:59	MA10685-CRIA1	3916	29545	7498	1898
09:10	MA10685-ICSA1	3465	25106	7036	1430
09:18	MA10685-ICSAB1	3443	25101	7021	1400
09:26	MA10685-CCV1	3724	27930	7217	1622
09:40	MA10685-CCB1	3922	29676	7228	1928
09:44	MP24972-MB1	3928	29745	7314	1947
09:49	MP24972-B1	3778	28293	7206	1723
09:53	FA3483-1	3745	28742	7200	1814
09:57	MP24972-D1	3788	28750	7202	1841
10:01	MP24972-SD1	3875	29351	7208	1915
10:05	MP24972-PS1	3733	28472	7317	1793
10:09	MP24972-S1	3745	28295	7307	1698
10:13	MP24972-S2	3777	28314	7261	1698
10:17	ZZZZZZ	3781	28837	7281	1816
10:22	ZZZZZZ	3893	29412	7374	1826
10:26	MA10685-CCV2	3750	28207	7180	1631
10:30	MA10685-CCB2	3859	29181	7218	1936
10:39	ZZZZZZ	3851	28588	7789	1480
10:43	ZZZZZZ	3696	27634	7552	1470
10:48	ZZZZZZ	3835	28796	7663	1548
10:52	ZZZZZZ	4301	31830	8690	1466
10:57	ZZZZZZ	3747	28554	7218	1774
11:01	ZZZZZZ	4036	30801	7915	1781
11:05	ZZZZZZ	3856	29271	7390	1841
11:09	ZZZZZZ	3759	28476	7238	1767
11:13	ZZZZZZ	3848	28939	7249	1824

INTERNAL STANDARD SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:18	MA10685-CCV3	3714	27757	7094	1618
11:22	MA10685-CCB3	3872	29071	7152	1917
11:26	ZZZZZZ	3723	28236	7208	1775
11:30	ZZZZZZ	3744	28279	7519	1637
11:35	ZZZZZZ	3719	28118	7196	1755
11:39	ZZZZZZ	3764	28189	7237	1741
11:43	ZZZZZZ	4445	33172	8313	1778
11:47	ZZZZZZ	3442	25897	6842	1520
11:51	ZZZZZZ	3709	28071	7073	1747
11:55	MP24971-MB1	3863	29517	7190	1927
12:00	MP24971-B1	3717	28124	7232	1714
12:04	FA3442-1	3714	28209	7154	1736
12:08	MA10685-CCV4	3720	27811	7089	1605
12:12	MA10685-CCB4	3898	29375	7121	1908
12:16	MP24971-D1	3737	28279	7112	1730
12:21	MP24971-SD1	3855	29083	7131	1852
12:25	MP24971-PS1	3718	28035	7071	1702
12:29	MP24971-S1	3658	27492	7104	1623
12:33	MP24971-S2	3649	27564	7164	1624
12:37	ZZZZZZ	3728	28222	7121	1729
12:50	ZZZZZZ	3824	29020	7112	1830
12:55	ZZZZZZ	3806	28816	7063	1835
12:59	MA10685-CCV5	3716	27787	6952	1606
13:03	MA10685-CCB5	3890	29300	7006	1912
13:07	ZZZZZZ	3729	27993	7001	1764
13:11	ZZZZZZ	3782	28711	7077	1839
13:16	ZZZZZZ	3770	28551	7165	1850
13:20	ZZZZZZ	3753	28301	7086	1777
13:24	ZZZZZZ	3653	27698	6994	1681
13:28	ZZZZZZ	3652	27510	6996	1686
13:33	ZZZZZZ	4222	30776	8591	1343
13:37	ZZZZZZ	4393	32890	8388	1644
13:42	ZZZZZZ	3691	27660	7273	1544

INTERNAL STANDARD SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:46	ZZZZZZ	3791	27328	7640	1397
13:51	MA10685-CCV6	3676	27703	6940	1627
13:55	MA10685-CCB6	3845	29205	7051	1921
14:08	ZZZZZZ	3539	26544	7110	1487
14:13	ZZZZZZ	3593	26955	7000	1682
14:17	MP24971-MB2A	3835	29575	7156	1935
14:22	MP24973-MB1	3847	29518	7111	1919
14:30	FA3629-1F	3723	28338	6973	1798
14:35	MP24973-B1	3715	28263	7073	1710
14:39	MP24973-D1	3694	27509	7115	1802
14:43	MA10685-CCV7	3640	27657	6983	1607
14:47	MA10685-CCB7	3850	29292	7005	1906
15:24	MA10685-CCV8	3689	28000	6930	1584
15:32	MA10685-CCB8	3881	29507	7067	1894
15:36	MP24973-SD1	3818	29129	7154	1858
15:40	MP24973-PS1	3751	28564	7082	1733
15:44	MP24973-S1	3764	28349	7072	1640
15:48	MP24973-S2	3764	28377	7154	1649
15:52	ZZZZZZ	4023	30612	7465	1789
15:56	ZZZZZZ	3912	29556	7183	1842
16:01	ZZZZZZ	3867	29223	7134	1834
16:05	ZZZZZZ	3793	28630	7070	1762
16:09	ZZZZZZ	3802	28810	7107	1768
16:13	ZZZZZZ	3853	29192	7117	1817
16:17	MA10685-CCV9	3710	27903	6913	1595
16:21	MA10685-CCB9	3870	29309	6950	1887
16:26	ZZZZZZ	3816	29037	7097	1795
16:30	ZZZZZZ	3577	27285	6894	1638
16:34	ZZZZZZ	3775	28833	7086	1781
16:39	ZZZZZZ	3788	28890	7114	1764
16:43	ZZZZZZ	3920	29963	7155	1879
16:47	ZZZZZZ	3481	26414	6806	1546
16:51	ZZZZZZ	3756	28666	7007	1768

INTERNAL STANDARD SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:55	ZZZZZZ	3809	29086	7073	1819
17:00	ZZZZZZ	3830	29177	7112	1814
17:08	MA10685-CCV10	3717	28095	6945	1629
17:12	MA10685-CCB10	3922	29703	7024	1941
17:17	ZZZZZZ	3799	28959	7063	1832
17:25	ZZZZZZ	3742	28657	7026	1768
17:30	MP24973-MB2	3944	30192	7116	1960
17:34	MP24975-MB1	3910	30023	7121	1951
17:38	MP24975-B1	3797	28791	7029	1740
17:42	FA3572-1	3649	27745	6941	1724
17:46	MP24975-D1	3658	27750	6906	1724
17:51	MP24975-SD1	3858	29226	7021	1878
17:55	MP24975-PS1	3648	27715	6887	1693
17:59	MA10685-CCV11	3729	28392	6937	1630
18:03	MA10685-CCB11	3918	29775	7003	1938
18:07	MP24975-S1	3689	27748	6941	1636
18:11	MP24975-S2	3676	27723	6943	1621
18:15	ZZZZZZ	3884	29425	7186	1817
18:20	ZZZZZZ	3671	27430	6923	1683
18:24	ZZZZZZ	3755	28505	7029	1789
18:28	ZZZZZZ	3653	27858	6964	1703
18:32	ZZZZZZ	3681	28143	6995	1746
18:37	ZZZZZZ	3650	28221	6969	1753
18:41	ZZZZZZ	3713	28488	7098	1812
18:45	ZZZZZZ	3806	29297	7086	1847
18:49	MA10685-CCV12	3757	28358	6967	1642
18:53	MA10685-CCB12	3951	29873	7017	1946
18:58	ZZZZZZ	4110	30957	7531	1803
19:02	ZZZZZZ	3964	29763	7545	1597
19:06	ZZZZZZ	5043	37806	9475	1640
19:11	ZZZZZZ	5246	39521	9902	1675
19:15	ZZZZZZ	3942	29969	7262	1809
19:19	ZZZZZZ	3618	27651	6905	1677

INTERNAL STANDARD SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:24	ZZZZZZ	3616	27561	6999	1700
19:28	ZZZZZZ	3735	28272	7050	1763
19:32	ZZZZZZ	3758	28794	7049	1817
19:36	ZZZZZZ	3684	28144	6919	1762
19:41	MA10685-CCV13	3771	28268	7028	1658
19:45	MA10685-CCB13	3934	29958	7098	1954
19:49	MP24975-MB2A	3918	29906	7085	1961
19:53	MP24976-MB1	3874	29786	7032	1943
19:58	MP24976-B1	3728	28287	7084	1746
20:02	FA3595-1	3789	28901	7079	1839
20:06	MP24976-D1	3810	29033	7017	1836
20:10	MP24976-SD1	3908	29551	7052	1919
20:14	MP24976-PS1	3828	28873	7047	1801
20:19	MP24976-S1	3746	28282	7016	1692
20:22	MP24976-S2	3701	28117	7100	1696
20:26	ZZZZZZ	3755	28610	7094	1856
20:31	MA10685-CCV14	3720	28251	6941	1637
20:35	MA10685-CCB14	3953	29854	7055	1954
20:39	ZZZZZZ	3920	29670	7130	1901
20:52	ZZZZZZ	3690	27882	7039	1788
20:56	ZZZZZZ	3740	28469	7040	1783
21:01	ZZZZZZ	3913	29848	7046	1949
21:23	MA10685-CCV15	3765	28267	6919	1648
21:27	MA10685-CCB15	3940	29708	7097	1942
21:41	ZZZZZZ	3892	30154	7123	1956
21:45	ZZZZZZ	3726	28621	7006	1756
21:49	ZZZZZZ	3761	28556	6977	1778
21:54	ZZZZZZ	3745	28674	6902	1766
21:58	ZZZZZZ	3727	28524	7067	1805
22:02	ZZZZZZ	3812	29011	7030	1845
22:07	MP24976-MB2A	3955	30303	7195	1956
22:11	MA10685-CRIA2	3901	29283	6968	1865
22:15	MA10685-CCV16	3734	28098	6957	1636

INTERNAL STANDARD SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10685
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:19	MA10685-CCB16	3901	29576	7129	1936
22:23	MA10685-ICSA2	3454	25266	6783	1427
22:28	MA10685-ICSAB2	3457	25409	6717	1403
22:32	MA10685-CCV17	3745	27945	6926	1634
22:36	MA10685-CCB17	3913	29733	7086	1939
12:41	FA3440-1	3603	27193	7020	1650

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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10685 Units: ug/l

Time:			08:55		09:40		10:30		11:22	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.0	<200	6.0	<200	6.4	<200	2.0	<200
Antimony	6.0	1.3	-0.80	<6.0	0.0	<6.0	0.10	<6.0	0.10	<6.0
Arsenic	10	1.6	-1.3	<10	0.20	<10	0.0	<10	-0.40	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.20	<5.0	0.0	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	-6.4	<1000	6.6	<1000	1.6	<1000	3.0	<1000
Chromium	10	1.8	-0.20	<10	0.0	<10	0.10	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-2.7	<300	3.8	<300	6.2	<300	7.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-9.7	<5000	21.0	<5000	6.7	<5000	2.6	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-6.7	<10000	3.9	<10000	18.3	<10000	12.8	<10000
Selenium	10	2	0.10	<10	0.20	<10	1.2	<10	1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	-13	<10000	-3.8	<10000	1.3	<10000	28.7	<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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10685 Units: ug/l

Time:			12:12		13:03		13:55		14:47	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.2	<200	6.2	<200	4.0	<200	2.9	<200
Antimony	6.0	1.3	0.0	<6.0	-0.20	<6.0	0.60	<6.0	-0.40	<6.0
Arsenic	10	1.6	-0.50	<10	-0.10	<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	0.0	<5.0	0.0	<5.0
Calcium	1000	50	4.7	<1000	4.4	<1000	4.3	<1000	10.4	<1000
Chromium	10	1.8	0.20	<10	0.20	<10	0.10	<10	-0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	4.6	<300	9.3	<300	8.0	<300	5.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.60	<5000	7.3	<5000	5.7	<5000	-3.0	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	14.3	<10000	52.9	<10000	48.3	<10000	25.8	<10000
Selenium	10	2	1.1	<10	0.50	<10	1.1	<10	1.1	<10
Silver	10	.5	anr							
Sodium	10000	500	16.8	<10000	39.0	<10000	172	<10000	54.6	<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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10685 Units: ug/l

Time:			15:32		16:21		17:12		18:03	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.8	<200	7.5	<200	15.8	<200	11.4	<200
Antimony	6.0	1.3	1.1	<6.0	0.80	<6.0	1.0	<6.0	1.1	<6.0
Arsenic	10	1.6	0.30	<10	0.30	<10	-0.10	<10	0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	16.8	<1000	23.3	<1000	36.8	<1000	32.5	<1000
Chromium	10	1.8	0.50	<10	0.50	<10	0.50	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	7.1	<300	11.5	<300	13.0	<300	12.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-1.0	<5000	0.60	<5000	11.4	<5000	3.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	13.5	<10000	17.7	<10000	28.6	<10000	19.9	<10000
Selenium	10	2	2.5	<10	0.50	<10	0.90	<10	2.1	<10
Silver	10	.5	anr							
Sodium	10000	500	-1.1	<10000	-9.0	<10000	12.0	<10000	2.6	<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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10685 Units: ug/l

Time:			18:53		19:45		20:35		21:27	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	14.5	<200	18.4	<200	18.0	<200	19.4	<200
Antimony	6.0	1.3	0.90	<6.0	1.0	<6.0	0.90	<6.0	1.3	<6.0
Arsenic	10	1.6	0.0	<10	0.20	<10	0.50	<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	0.20	<5.0	0.20	<5.0
Calcium	1000	50	32.3	<1000	57.4	<1000	55.5	<1000	56.0	<1000
Chromium	10	1.8	0.30	<10	0.40	<10	0.50	<10	0.50	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	7.5	<300	12.1	<300	11.9	<300	12.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-1.7	<5000	-9.0	<5000	3.9	<5000	4.8	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-12	<10000	15.5	<10000	12.1	<10000	27.2	<10000
Selenium	10	2	2.1	<10	1.2	<10	1.0	<10	1.6	<10
Silver	10	.5	anr							
Sodium	10000	500	-7.6	<10000	-0.30	<10000	-10	<10000	45.0	<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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10685 Units: ug/l

Time:			22:19		22:36	
Sample ID:			CCB16		CCB17	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	11.1	<200	22.5	<200
Antimony	6.0	1.3	1.2	<6.0	0.90	<6.0
Arsenic	10	1.6	-0.10	<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
Calcium	1000	50	53.7	<1000	58.7	<1000
Chromium	10	1.8	0.40	<10	0.40	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	11.4	<300	13.7	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	-10	<5000	-5.3	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	15.9	<10000	-8.7	<10000
Selenium	10	2	1.5	<10	0.70	<10
Silver	10	.5	anr			
Sodium	10000	500	12.1	<10000	1.2	<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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10685 Units: ug/l

Time:		08:47			09:26			10:26	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41100	102.8	40000	39900	99.8	40000	39700	99.3
Antimony	2000	2020	101.0	2000	1980	99.0	2000	1990	99.5
Arsenic	2000	2010	100.5	2000	1980	99.0	2000	1990	99.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2040	102.0	2000	2040	102.0
Calcium	40000	42000	105.0	40000	40000	100.0	40000	40200	100.5
Chromium	2000	2070	103.5	2000	2030	101.5	2000	2020	101.0
Cobalt									
Copper	anr								
Iron	40000	41000	102.5	40000	39800	99.5	40000	40100	100.3
Lead	anr								
Magnesium	40000	39400	98.5	40000	39500	98.8	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40600	101.5	40000	39600	99.0	40000	39300	98.3
Selenium	2000	2020	101.0	2000	1980	99.0	2000	1990	99.5
Silver	anr								
Sodium	40000	41500	103.8	40000	40400	101.0	40000	40100	100.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10685 Units: ug/l

Time:		11:18			12:08			12:59	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	40600	101.5	40000	40500	101.3
Antimony	2000	2010	100.5	2000	2000	100.0	2000	2010	100.5
Arsenic	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2070	103.5	2000	2070	103.5
Calcium	40000	40800	102.0	40000	40900	102.3	40000	40800	102.0
Chromium	2000	2070	103.5	2000	2060	103.0	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	40000	40600	101.5	40000	40700	101.8	40000	40800	102.0
Lead	anr								
Magnesium	40000	40500	101.3	40000	40400	101.0	40000	40400	101.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40000	100.0	40000	40000	100.0	40000	40400	101.0
Selenium	2000	2010	100.5	2000	2000	100.0	2000	2010	100.5
Silver	anr								
Sodium	40000	40500	101.3	40000	41000	102.5	40000	41000	102.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10685 Units: ug/l

Time:		13:51			14:43			15:24	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40400	101.0	40000	39500	98.8
Antimony	2000	2050	102.5	2000	2080	104.0	2000	1960	98.0
Arsenic	2000	2040	102.0	2000	2070	103.5	2000	1970	98.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2090	104.5	2000	2020	101.0
Calcium	40000	40500	101.3	40000	40500	101.3	40000	40000	100.0
Chromium	2000	2040	102.0	2000	2030	101.5	2000	2000	100.0
Cobalt									
Copper	anr								
Iron	40000	41200	103.0	40000	42000	105.0	40000	40200	100.5
Lead	anr								
Magnesium	40000	40600	101.5	40000	40600	101.5	40000	39600	99.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40700	101.8	40000	41300	103.3	40000	38900	97.3
Selenium	2000	2040	102.0	2000	2080	104.0	2000	1960	98.0
Silver	anr								
Sodium	40000	39300	98.3	40000	40900	102.3	40000	39600	99.0
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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10685 Units: ug/l

Time:		16:17			17:08			17:59	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	38600	96.5	40000	38700	96.8
Antimony	2000	1950	97.5	2000	1970	98.5	2000	1970	98.5
Arsenic	2000	1960	98.0	2000	1960	98.0	2000	1960	98.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	1990	99.5	2000	1990	99.5
Calcium	40000	40100	100.3	40000	39500	98.8	40000	39600	99.0
Chromium	2000	2020	101.0	2000	1990	99.5	2000	1960	98.0
Cobalt									
Copper	anr								
Iron	40000	40100	100.3	40000	40200	100.5	40000	40500	101.3
Lead	anr								
Magnesium	40000	39800	99.5	40000	39600	99.0	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	38900	97.3	40000	38800	97.0	40000	38900	97.3
Selenium	2000	1950	97.5	2000	1960	98.0	2000	1960	98.0
Silver	anr								
Sodium	40000	39700	99.3	40000	38700	96.8	40000	38900	97.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10685 Units: ug/l

Time:		18:49			19:41			20:31	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38700	96.8	40000	38300	95.8	40000	38800	97.0
Antimony	2000	1960	98.0	2000	1940	97.0	2000	1990	99.5
Arsenic	2000	1950	97.5	2000	1940	97.0	2000	1980	99.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	1990	99.5	2000	1960	98.0	2000	1980	99.0
Calcium	40000	39600	99.0	40000	39100	97.8	40000	39600	99.0
Chromium	2000	1980	99.0	2000	1970	98.5	2000	1960	98.0
Cobalt									
Copper	anr								
Iron	40000	40400	101.0	40000	40000	100.0	40000	41200	103.0
Lead	anr								
Magnesium	40000	39700	99.3	40000	39400	98.5	40000	40100	100.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	38900	97.3	40000	38700	96.8	40000	39400	98.5
Selenium	2000	1950	97.5	2000	1940	97.0	2000	1990	99.5
Silver	anr								
Sodium	40000	38900	97.3	40000	38500	96.3	40000	38800	97.0
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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10685 Units: ug/l

Time:		21:23			22:15			22:32	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38900	97.3	40000	39000	97.5	40000	39100	97.8
Antimony	2000	1950	97.5	2000	1970	98.5	2000	1960	98.0
Arsenic	2000	1950	97.5	2000	1960	98.0	2000	1950	97.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	1970	98.5	2000	1990	99.5	2000	1990	99.5
Calcium	40000	39700	99.3	40000	39700	99.3	40000	39800	99.5
Chromium	2000	1970	98.5	2000	2000	100.0	2000	2010	100.5
Cobalt									
Copper	anr								
Iron	40000	40900	102.3	40000	40100	100.3	40000	40200	100.5
Lead	anr								
Magnesium	40000	40100	100.3	40000	39600	99.0	40000	39700	99.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39200	98.0	40000	39100	97.8	40000	39400	98.5
Selenium	2000	1950	97.5	2000	1970	98.5	2000	1960	98.0
Silver	anr								
Sodium	40000	38600	96.5	40000	39300	98.3	40000	39400	98.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10685 Units: ug/l

Time:		08:39	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	3940	98.5
Arsenic	4000	3960	99.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3970	99.3
Calcium	80000	80000	100.0
Chromium	4000	3980	99.5
Cobalt			
Copper	anr		
Iron	80000	78000	97.5
Lead	anr		
Magnesium	80000	80100	100.1
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	79800	99.8
Selenium	4000	3930	98.3
Silver	anr		
Sodium	80000	80500	100.6
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10685 Units: ug/l

Time:			08:59		22:11	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	199	99.5	207	103.5
Antimony	10	5.0	5.2	104.0	5.1	102.0
Arsenic	20	10	10.3	103.0	9.6	96.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.2	104.0
Calcium	2000	1000	1040	104.0	1060	106.0
Chromium	20	10	10.2	102.0	10.6	106.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	329	109.7	332	110.7
Lead	10	5.0	anr			
Magnesium	10000	5000	4940	98.8	5040	100.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9750	97.5	9780	97.8
Selenium	20	10	9.9	99.0	12.1	121.0
Silver	20	10	anr			
Sodium	20000	10000	9770	97.7	9880	98.8
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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB041713M1.ICP Date Analyzed: 04/17/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10685 Units: ug/l

Time:			09:10		09:18		22:23		22:28	
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	494000	98.8	494000	98.8	483000	96.6
Antimony		1000	0.0		995	99.5	1.0		984	98.4
Arsenic		1000	-0.30		1010	101.0	-0.20		997	99.7
Barium		500	0.10		496	99.2	0.10		490	98.0
Beryllium		500	0.0		472	94.4	0.0		472	94.4
Cadmium		1000	0.0		894	89.4	-0.50		870	87.0
Calcium	500000	500000	474000	94.8	467000	93.4	465000	93.0	463000	92.6
Chromium		500	-0.60		464	92.8	0.10		455	91.0
Cobalt		500	0.50		443	88.6	0.50		431	86.2
Copper		500	0.20		506	101.2	1.3		498	99.6
Iron	200000	200000	180000	90.0	181000	90.5	184000	92.0	183000	91.5
Lead		1000	-0.50		921	92.1	-1.0		892	89.2
Magnesium	500000	500000	491000	98.2	494000	98.8	491000	98.2	496000	99.2
Manganese		500	0.20		468	93.6	0.20		469	93.8
Molybdenum		1000	-0.10		894	89.4	-0.60		882	88.2
Nickel		1000	0.0		865	86.5	0.50		852	85.2
Potassium			-5.5		1.7		11.8		15.5	
Selenium		1000	0.0		948	94.8	2.6		936	93.6
Silver		1000	0.50		938	93.8	0.40		933	93.3
Sodium			67.4		73.5		97.3		105	
Strontium		1000	12.2		1030	103.0	11.4		996	99.6
Thallium		1000	-2.0		897	89.7	0.10		888	88.8
Tin		1000	0.20		883	88.3	0.50		869	86.9
Titanium		1000	-1.3		987	98.7	-1.2		991	99.1
Vanadium		500	0.0		465	93.0	0.40		456	91.2
Zinc		1000	2.7		904	90.4	2.8		883	88.3

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10690
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:45	FA3440-2	5		
	08:21	MA10690-STD1	1		STDA
	08:26	MA10690-STD2	1		STDB
	08:30	MA10690-STD3	1		STDC
	08:33	MA10690-STD4	1		STDD
	08:40	MA10690-HSTD1	1		
	08:48	MA10690-ICV1	1		
	08:58	MA10690-ICB1	1		
	09:02	MA10690-CRIA1	1		
	09:17	MA10690-ICSA1	1		
	09:26	MA10690-ICSAB1	1		
	09:36	MA10690-CCV1	1		
	09:40	MA10690-CCB1	1		
	11:23	MA10690-CCV2	1		
	11:27	MA10690-CCB2	1		
	11:40	ZZZZZZ	10		
	11:49	FA3440-2	10		
---------->	Last reportable sample/prep for job FA3440				
	11:53	ZZZZZZ	100		
	11:58	ZZZZZZ	25		
	12:02	ZZZZZZ	10		
	12:06	ZZZZZZ	20		
	12:10	ZZZZZZ	5		
	12:15	MA10690-CCV3	1		
	12:19	MA10690-CCB3	1		
	12:23	ZZZZZZ	5		
	12:27	ZZZZZZ	4		
	12:31	ZZZZZZ	10		
	12:36	ZZZZZZ	4		
	12:40	ZZZZZZ	10		
	12:44	ZZZZZZ	10		
	12:48	ZZZZZZ	10		
	12:53	ZZZZZZ	2		
	12:57	ZZZZZZ	20		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10690
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:06	ZZZZZZ	20		
13:10	MA10690-CCV4	1		
13:14	MA10690-CCB4	1		
13:18	ZZZZZZ	2		
13:22	ZZZZZZ	2		
13:27	ZZZZZZ	2		
13:31	ZZZZZZ	4		
13:35	ZZZZZZ	2		
13:39	ZZZZZZ	2		
13:44	ZZZZZZ	4		
13:48	ZZZZZZ	10		
13:52	ZZZZZZ	5		
13:56	ZZZZZZ	20		
14:00	MA10690-CCV5	1		
14:04	MA10690-CCB5	1		
14:08	ZZZZZZ	20		
14:13	ZZZZZZ	20		
14:17	ZZZZZZ	20		
14:21	MP24993-MB1	1		
14:26	MP24993-B1	1		
14:30	FA3598-4	1		(sample used for QC only; not part of login FA3440)
14:34	MP24993-D1	1		
14:38	MP24993-SD1	5		
14:42	MP24993-PS1	1		
14:47	MP24993-S1	1		
14:51	MA10690-CCV6	1		
14:54	MA10690-CCB6	1		
14:59	MP24993-S2	1		
15:03	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:11	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:20	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10690
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:24	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:41	MA10690-CCV7	1		
15:45	MA10690-CCB7	1		
15:50	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:58	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:33	MA10690-CCV8	1		
16:37	MA10690-CCB8	1		
17:27	MA10690-CCV9	1		
17:30	MA10690-CCB9	1		
18:05	MA10690-CRIA2	1		
18:09	MA10690-ICSA2	1		
18:14	MA10690-ICSAB2	1		
18:18	MA10690-CCV10	1		
18:22	MA10690-CCB10	1		
---------->	Last reportable CCB for job FA3440			
18:43	MA10690-CCV11	1		
18:47	MA10690-CCB11	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10690
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:45	FA3440-2	4870	33121	7615	1580
08:21	MA10690-STD1	4255	30634	6425	2023
08:26	MA10690-STD2	4178	29736	6511	1878
08:30	MA10690-STD3	4036	28688	6428	1700
08:33	MA10690-STD4	3897	27968	6342	1553
08:40	MA10690-HSTD1	3957	28050	6392	1554
08:48	MA10690-ICV1	4021	28508	6398	1688
08:58	MA10690-ICB1	4305 R	30603 R	6499 R	2019 R
09:02	MA10690-CRIA1	4204	29666	6444	1932
09:17	MA10690-ICSA1	3768	25543	6243	1495
09:26	MA10690-ICSAB1	3704	25343	6255	1455
09:36	MA10690-CCV1	4095	28743	6394	1673
09:40	MA10690-CCB1	4405	30865	6571	2040
11:23	MA10690-CCV2	4115	28498	6233	1671
11:27	MA10690-CCB2	4360	30474	6317	2016
11:40	ZZZZZZ	4952	34318	7325	1934
11:49	FA3440-2	4501	30675	6804	1703
11:53	ZZZZZZ	5503	38592	8185	1977
11:58	ZZZZZZ	4398	30330	6653	1879
12:02	ZZZZZZ	4211	29231	6385	1931
12:06	ZZZZZZ	4194	29164	6409	1916
12:10	ZZZZZZ	4132	28585	6318	1883
12:15	MA10690-CCV3	4001	27892	6221	1705
12:19	MA10690-CCB3	4213	29602	6316	2029
12:23	ZZZZZZ	4090	28597	6274	1901
12:27	ZZZZZZ	4086	28467	6212	1898
12:31	ZZZZZZ	4048	27944	6223	1855
12:36	ZZZZZZ	4092	28710	6338	1898
12:40	ZZZZZZ	4172	29090	6424	1925
12:44	ZZZZZZ	4138	28927	6384	1895
12:48	ZZZZZZ	4110	28700	6425	1882
12:53	ZZZZZZ	4993	34824	7815	1795
12:57	ZZZZZZ	3989	27583	6205	1767

INTERNAL STANDARD SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10690
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:06	ZZZZZZ	3969	27704	6265	1709
13:10	MA10690-CCV4	3992	28018	6228	1694
13:14	MA10690-CCB4	4269	30313	6425	2063
13:18	ZZZZZZ	5238	36470	8213	1767
13:22	ZZZZZZ	5084	35207	7790	1797
13:27	ZZZZZZ	5119	35555	7973	1734
13:31	ZZZZZZ	4603	32062	7127	1793
13:35	ZZZZZZ	5098	35257	7947	1667
13:39	ZZZZZZ	4918	34130	7621	1707
13:44	ZZZZZZ	4463	31326	6778	1933
13:48	ZZZZZZ	4363	30795	6578	1974
13:52	ZZZZZZ	5086	35686	7840	1894
13:56	ZZZZZZ	4580	32288	7014	1991
14:00	MA10690-CCV5	3980	27866	6196	1716
14:04	MA10690-CCB5	4179	29665	6313	2035
14:08	ZZZZZZ	4107	28925	6279	1923
14:13	ZZZZZZ	4103	28704	6312	1894
14:17	ZZZZZZ	4128	28939	6326	1943
14:21	MP24993-MB1	4228	30372	6407	2069
14:26	MP24993-B1	4094	29022	6389	1847
14:30	FA3598-4	4071	28903	6349	1873
14:34	MP24993-D1	4096	29072	6375	1890
14:38	MP24993-SD1	4192	29697	6419	2007
14:42	MP24993-PS1	4075	28915	6402	1855
14:47	MP24993-S1	4011	28313	6333	1772
14:51	MA10690-CCV6	3966	27982	6184	1712
14:54	MA10690-CCB6	4224	30021	6366	2062
14:59	MP24993-S2	3995	28244	6349	1760
15:03	ZZZZZZ	3988	28307	6309	1849
15:07	ZZZZZZ	4046	28699	6289	1864
15:11	ZZZZZZ	4118	29299	6182	1921
15:15	ZZZZZZ	4035	28812	6317	1881
15:20	ZZZZZZ	3966	27778	6216	1815

INTERNAL STANDARD SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10690
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:24	ZZZZZZ	4106	29095	6308	1974
15:28	ZZZZZZ	3932	28050	6290	1826
15:33	ZZZZZZ	4363	31098	6845	1869
15:37	ZZZZZZ	4158	28328	6762	1691
15:41	MA10690-CCV7	3985	28260	6228	1757
15:45	MA10690-CCB7	4122	29466	6252	2062
15:50	ZZZZZZ	4362	31290	6854	1939
15:54	ZZZZZZ	4135	29669	6386	2031
15:58	ZZZZZZ	4155	29995	6332	2080
16:02	ZZZZZZ	3813	27253	6122	1798
16:07	ZZZZZZ	3979	28466	6320	1915
16:11	ZZZZZZ	4083	29151	6299	2000
16:33	MA10690-CCV8	3893	27673	6070	1731
16:37	MA10690-CCB8	4087	29100	6130	2052
17:27	MA10690-CCV9	3944	28027	6020	1740
17:30	MA10690-CCB9	4183	29795	6116	2074
18:05	MA10690-CRIA2	4093	28777	6079	1981
18:09	MA10690-ICSA2	3686	25082	5928	1539
18:14	MA10690-ICSAB2	3644	24997	5916	1506
18:18	MA10690-CCV10	3969	27655	6016	1740
18:22	MA10690-CCB10	4148	29538	6063	2058
18:43	MA10690-CCV11	3926	27821	6003	1728
18:47	MA10690-CCB11	4160	29690	6162	2060

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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10690 Units: ug/l

Time:			08:58		09:40		11:27		12:19	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.7	<200	4.8	<200	-0.10	<200	-3.2	<200
Antimony	6.0	1.3	-0.40	<6.0	-1.8	<6.0	-2.6	<6.0	-1.8	<6.0
Arsenic	10	1.6	0.40	<10	0.0	<10	-0.10	<10	0.10	<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	-6.3	<1000	4.6	<1000	8.6	<1000	0.10	<1000
Chromium	10	1.8	-0.30	<10	0.0	<10	-0.20	<10	-0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-2.7	<300	5.0	<300	3.1	<300	3.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-3.9	<5000	-6.0	<5000	16.2	<5000	2.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	7.6	<10000	0.90	<10000	-11	<10000	3.8	<10000
Selenium	10	2	0.0	<10	0.50	<10	-0.10	<10	-0.10	<10
Silver	10	.5								
Sodium	10000	500	2.6	<10000	5.8	<10000	434	<10000	103	<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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10690 Units: ug/l

Time:			13:14		14:04		14:54		15:45	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-2.8	<200	0.90	<200	8.0	<200	1.4	<200
Antimony	6.0	1.3	-1.9	<6.0	-2.6	<6.0	-1.5	<6.0	-1.6	<6.0
Arsenic	10	1.6	-0.40	<10	0.20	<10	0.50	<10	0.20	<10
Barium	200	1								
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	6.8	<1000	-0.40	<1000	2.6	<1000	1.5	<1000
Chromium	10	1.8	0.0	<10	-0.20	<10	-0.10	<10	-0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	2.3	<300	2.8	<300	8.0	<300	5.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-7.9	<5000	6.3	<5000	9.4	<5000	-14	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-26	<10000	-9.1	<10000	9.1	<10000	23.0	<10000
Selenium	10	2	-1.5	<10	0.70	<10	0.80	<10	-0.90	<10
Silver	10	.5								
Sodium	10000	500	45.5	<10000	29.1	<10000	36.2	<10000	39.6	<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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10690 Units: ug/l

Time:			16:37		17:30		18:22	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	3.9	<200	1.0	<200	9.3	<200
Antimony	6.0	1.3	-1.7	<6.0	-1.9	<6.0	-1.5	<6.0
Arsenic	10	1.6	-0.10	<10	0.30	<10	0.10	<10
Barium	200	1						
Beryllium	4.0	.5						
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	7.4	<1000	6.6	<1000	5.3	<1000
Chromium	10	1.8	0.20	<10	-0.20	<10	-0.20	<10
Cobalt	50	.5						
Copper	25	1	anr					
Iron	300	29	6.9	<300	5.4	<300	8.0	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	-8.7	<5000	-5.6	<5000	2.5	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	15.0	<10000	11.3	<10000	0.60	<10000
Selenium	10	2	-0.60	<10	-0.10	<10	-0.40	<10
Silver	10	.5						
Sodium	10000	500	99.9	<10000	128	<10000	36.8	<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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10690 Units: ug/l

Time:		08:48			09:36			11:23	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40400	101.0	40000	41000	102.5
Antimony	2000	2010	100.5	2000	1930	96.5	2000	1930	96.5
Arsenic	2000	2000	100.0	2000	1940	97.0	2000	1940	97.0
Barium									
Beryllium									
Cadmium	2000	2030	101.5	2000	2030	101.5	2000	2050	102.5
Calcium	40000	41500	103.8	40000	40500	101.3	40000	40000	100.0
Chromium	2000	2060	103.0	2000	2060	103.0	2000	2100	105.0
Cobalt									
Copper	anr								
Iron	40000	40600	101.5	40000	39400	98.5	40000	37600	94.0
Lead	anr								
Magnesium	40000	39000	97.5	40000	39600	99.0	40000	38000	95.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40600	101.5	40000	39200	98.0	40000	40800	102.0
Selenium	2000	2020	101.0	2000	1940	97.0	2000	1940	97.0
Silver									
Sodium	40000	41000	102.5	40000	40500	101.3	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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10690 Units: ug/l

Time:		12:15			13:10			14:00	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	40700	101.8	40000	40300	100.8
Antimony	2000	2030	101.5	2000	2040	102.0	2000	2060	103.0
Arsenic	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Barium									
Beryllium									
Cadmium	2000	2060	103.0	2000	2070	103.5	2000	2060	103.0
Calcium	40000	39800	99.5	40000	40000	100.0	40000	39800	99.5
Chromium	2000	2110	105.5	2000	2090	104.5	2000	2100	105.0
Cobalt									
Copper	anr								
Iron	40000	38800	97.0	40000	39000	97.5	40000	39300	98.3
Lead	anr								
Magnesium	40000	38900	97.3	40000	39000	97.5	40000	39300	98.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41900	104.8	40000	41800	104.5	40000	41900	104.8
Selenium	2000	2020	101.0	2000	2040	102.0	2000	2060	103.0
Silver									
Sodium	40000	41300	103.3	40000	41500	103.8	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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10690 Units: ug/l

Time:		14:51			15:41			16:33	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	39200	98.0	40000	39900	99.8
Antimony	2000	2070	103.5	2000	2060	103.0	2000	2120	106.0
Arsenic	2000	2040	102.0	2000	2020	101.0	2000	2080	104.0
Barium									
Beryllium									
Cadmium	2000	2060	103.0	2000	2010	100.5	2000	2040	102.0
Calcium	40000	39800	99.5	40000	38800	97.0	40000	39500	98.8
Chromium	2000	2080	104.0	2000	2020	101.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	39500	98.8	40000	39300	98.3	40000	40400	101.0
Lead	anr								
Magnesium	40000	39400	98.5	40000	38900	97.3	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42000	105.0	40000	41500	103.8	40000	42800	107.0
Selenium	2000	2060	103.0	2000	2040	102.0	2000	2100	105.0
Silver									
Sodium	40000	40900	102.3	40000	39800	99.5	40000	40500	101.3
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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10690 Units: ug/l

Time:		17:27			18:18	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39900	99.8
Antimony	2000	2100	105.0	2000	2080	104.0
Arsenic	2000	2070	103.5	2000	2050	102.5
Barium						
Beryllium						
Cadmium	2000	2040	102.0	2000	2040	102.0
Calcium	40000	39200	98.0	40000	39500	98.8
Chromium	2000	2040	102.0	2000	2090	104.5
Cobalt						
Copper	anr					
Iron	40000	40100	100.3	40000	39500	98.8
Lead	anr					
Magnesium	40000	39400	98.5	40000	39300	98.3
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	43000	107.5	40000	43100	107.8
Selenium	2000	2090	104.5	2000	2060	103.0
Silver						
Sodium	40000	40500	101.3	40000	41000	102.5
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10690 Units: ug/l

Time:		08:40	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79400	99.3
Antimony	4000	3880	97.0
Arsenic	4000	3910	97.8
Barium			
Beryllium			
Cadmium	4000	3910	97.8
Calcium	80000	78900	98.6
Chromium	4000	3960	99.0
Cobalt			
Copper	anr		
Iron	80000	77400	96.8
Lead	anr		
Magnesium	80000	78700	98.4
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	79200	99.0
Selenium	4000	3900	97.5
Silver			
Sodium	80000	79600	99.5
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10690 Units: ug/l

Time:			09:02		18:05	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	203	101.5	200	100.0
Antimony	10	5.0	3.6	72.0	3.3	66.0*(a)
Arsenic	20	10	9.5	95.0	10.6	106.0
Barium	400	200				
Beryllium	10	5.0				
Cadmium	10	5.0	5.2	104.0	5.2	104.0
Calcium	2000	1000	1040	104.0	1010	101.0
Chromium	20	10	10.1	101.0	10.3	103.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	310	103.3	307	102.3
Lead	10	5.0	anr			
Magnesium	10000	5000	4930	98.6	4930	98.6
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9770	97.7	10800	108.0
Selenium	20	10	9.0	90.0	9.4	94.0
Silver	20	10				
Sodium	20000	10000	9960	99.6	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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042213M2.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10690 Units: ug/l

Time:			09:17		09:26		18:09		18:14	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	489000	97.8	499000	99.8	489000	97.8	486000	97.2
Antimony		1000	0.0		1010	101.0	0.90		1060	106.0
Arsenic		1000	-0.60		1030	103.0	0.70		1060	106.0
Barium		500	-0.20		495	99.0	0.10		492	98.4
Beryllium		500	-0.10		471	94.2	-0.10		468	93.6
Cadmium		1000	0.0		898	89.8	-1.0		897	89.7
Calcium	500000	500000	472000	94.4	472000	94.4	459000	91.8	455000	91.0
Chromium		500	-0.50		475	95.0	-0.60		473	94.6
Cobalt		500	0.30		445	89.0	0.30		445	89.0
Copper		500	-0.10		517	103.4	-0.10		535	107.0
Iron	200000	200000	179000	89.5	182000	91.0	177000	88.5	178000	89.0
Lead		1000	-0.50		928	92.8	-1.4		877	87.7
Magnesium	500000	500000	483000	96.6	491000	98.2	472000	94.4	477000	95.4
Manganese		500	0.0		477	95.4	-0.60		486	97.2
Molybdenum		1000	-0.70		888	88.8	-0.80		952	95.2
Nickel		1000	0.0		866	86.6	-0.70		913	91.3
Potassium			-3.9		32.2		6.4		-7.3	
Selenium		1000	0.70		963	96.3	-2.7		995	99.5
Silver		1000	0.10		1010	101.0	0.20		1020	102.0
Sodium			79.5		115		189		153	
Strontium		1000	11.3		992	99.2	12.2		1030	103.0
Thallium		1000	0.0		912	91.2	-0.20		927	92.7
Tin		1000	-0.60		890	89.0	-0.70		916	91.6
Titanium		1000	-1.6		999	99.9	-1.5		1040	104.0
Vanadium		500	-0.40		474	94.8	0.10		483	96.6
Zinc		1000	1.2		908	90.8	1.3		905	90.5

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24971
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					04/16/13		04/16/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15	9.8	<200	2.7	<200
Antimony	6.0	1.3	1.3	-0.30	<6.0	-0.10	<6.0
Arsenic	10	1.6	2.5	-1.2	<10	-1.1	<10
Barium	200	1	1				
Beryllium	4.0	.5	.5				
Cadmium	5.0	.5	.5	-0.20	<5.0	-0.20	<5.0
Calcium	1000	50	50	0.70	<1000	3.1	<1000
Chromium	10	1.8	2	-0.20	<10	0.0	<10
Cobalt	50	.5	.5				
Copper	25	1	1				
Iron	300	29	29	0.40	<300	-0.40	<300
Lead	5.0	1.1	1.1				
Magnesium	5000	74	74	-0.40	<5000	-7.2	<5000
Manganese	15	.7	.7				
Molybdenum	50	.6	1				
Nickel	40	.5	.5				
Potassium	10000	200	200	-7.6	<10000	37.0	<10000
Selenium	10	2	2	0.30	<10	0.20	<10
Silver	10	.5	.5				
Sodium	10000	500	500	20.4	<10000	147	<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 MP24971: FA3440-1, FA3440-2

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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24971
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			04/16/13					04/16/13	
Metal	FA3442-1 Original	DUP	RPD	QC Limits	FA3442-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	120	132	9.5	0-20	120	28800	27000	106.2	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	2110	2000	105.5	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	51.9	50	103.8	80-120
Calcium	80700	83200	3.1	0-20	80700	108000	25000	109.2	80-120
Chromium	0.0	0.0	NC	0-20	0.0	216	200	108.0	80-120
Cobalt									
Copper									
Iron	128	129	0.8	0-20	128	27600	26000	105.7	80-120
Lead	anr								
Magnesium	26900	27400	1.8	0-20	26900	53200	25000	105.2	80-120
Manganese									
Molybdenum									
Nickel									
Potassium	564	567	0.5	0-20	564	27100	25000	106.1	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2100	2000	105.0	80-120
Silver	anr								
Sodium	13100	13600	3.7	0-20	13100	40500	25000	109.6	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP24971: FA3440-1, FA3440-2

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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24971
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/16/13

Metal	FA3442-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	120	29000	27000	107.0	0.7	20
Antimony	0.0	548	500	109.6	2.0	20
Arsenic	0.0	2150	2000	107.5	1.9	20
Barium	anr					
Beryllium						
Cadmium	0.0	52.6	50	105.2	1.3	20
Calcium	80700	108000	25000	109.2	0.0	20
Chromium	0.0	217	200	108.5	0.5	20
Cobalt						
Copper						
Iron	128	28100	26000	107.6	1.8	20
Lead	anr					
Magnesium	26900	53600	25000	106.8	0.7	20
Manganese						
Molybdenum						
Nickel						
Potassium	564	27600	25000	108.1	1.8	20
Selenium	0.0	2150	2000	107.5	2.4	20
Silver	anr					
Sodium	13100	40700	25000	110.4	0.5	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP24971: FA3440-1, FA3440-2

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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24971
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/16/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28500	27000	105.6	80-120
Antimony	546	500	109.2	80-120
Arsenic	2140	2000	107.0	80-120
Barium	anr			
Beryllium				
Cadmium	53.8	50	107.6	80-120
Calcium	26700	25000	106.8	80-120
Chromium	218	200	109.0	80-120
Cobalt				
Copper				
Iron	28300	26000	108.8	80-120
Lead	anr			
Magnesium	25800	25000	103.2	80-120
Manganese				
Molybdenum				
Nickel				
Potassium	26500	25000	106.0	80-120
Selenium	2140	2000	107.0	80-120
Silver	anr			
Sodium	26500	25000	106.0	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24971: FA3440-1, FA3440-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24971
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/16/13

Metal	FA3442-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	120	109	9.2	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	80700	83600	3.7	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron	128	0.00	100.0(a)	0-10
Lead	anr			
Magnesium	26900	27400	2.1	0-10
Manganese				
Molybdenum				
Nickel				
Potassium	564	0.00	100.0(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	13100	13200	0.1	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24971: FA3440-1, FA3440-2

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: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24971
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/16/13

Metal	Sample ml	Final ml	FA3442-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	119.9	117.502	2667	0.2	125	2500	102.0	80-120
Antimony	9.8	10	0	0	103.3	0.2	5	100	103.3	80-120
Arsenic	9.8	10	0	0	102.4	0.2	5	100	102.4	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	52.5	0.2	2.5	50	105.0	80-120
Calcium	9.8	10	80680	79066.4	85070	0.2	250	5000	120.0	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	128.1	125.538	3229	0.2	150	3000	103.4	80-120
Lead										
Magnesium	9.8	10	26860	26322.8	31130	0.2	250	5000	96.1	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	564.3	553.014	10770	0.2	500	10000	102.2	80-120
Selenium	9.8	10	0	0	102.5	0.2	5	100	102.5	80-120
Silver										
Sodium	9.8	10	13140	12877.2	23450	0.2	500	10000	105.7	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24971: FA3440-1, FA3440-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3440
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	GN55244	5.0	1.2	mg/l	250	259	103.6	90-113%
Chloride	GP21418/GN55178	2.0	0.0	mg/l	50	52.5	105.0	90-110%
Fluoride	GP21478/GN55298	0.20	0.0	mg/l	2.5	2.58	103.2	90-110%
Nitrogen, Nitrate	GP21418/GN55178	0.10	0.0	mg/l	2.5	2.46	98.4	90-110%
Nitrogen, Nitrite	GP21418/GN55178	0.10	0.0	mg/l	2.5	2.51	100.4	90-110%
Phosphate, Ortho	GP21394/GN55107	0.10	0.0	mg/l	.300	0.29	95.7	83-116%
Phosphate, Ortho	GP21408/GN55131	0.10	0.0	mg/l	0.300	0.30	99.3	83-116%
Phosphorus, Total	GP21459/GN55264	0.10	0.0	mg/l	.300	0.28	94.2	81-118%
Solids, Total Dissolved	GN55196	100	15.0	mg/l				
Solids, Total Dissolved	GN55263	100	21.0	mg/l				
Specific Conductivity	GN55115	1.0	0.0	umhos/cm				
Sulfate	GP21418/GN55178	2.0	0.0	mg/l	50	49.2	98.4	90-110%

Associated Samples:
Batch GN55115: FA3440-1, FA3440-2
Batch GN55196: FA3440-2
Batch GN55244: FA3440-1, FA3440-2
Batch GN55263: FA3440-1
Batch GP21394: FA3440-1F
Batch GP21408: FA3440-2F
Batch GP21418: FA3440-1, FA3440-2
Batch GP21459: FA3440-1, FA3440-2
Batch GP21478: FA3440-1, FA3440-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3440
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	GN55244	FA3557-6	mg/l	77.0	76.0	1.3	0-20%
Phosphate, Ortho	GP21394/GN55107	FA3440-1F	mg/l	1800	1780	1.2	0-26%
Phosphate, Ortho	GP21408/GN55131	FA3440-2F	mg/l	1.4	1.4	0.8	0-26%
Phosphorus, Total	GP21459/GN55264	FA3531-2	mg/l	5.7	5.8	2.0	0-22%
Solids, Total Dissolved	GN55196	FA3531-4	mg/l	377	370	1.9	0-5%
Solids, Total Dissolved	GN55263	FA3557-4	mg/l	157	158	0.6	0-5%
Specific Conductivity	GN55115	FA3440-2	umhos/cm	970	974	0.4	0-10%
pH	GN55129	FA3440-2	su	7.08	7.08	0.0	0-10%

Associated Samples:
Batch GN55115: FA3440-1, FA3440-2
Batch GN55129: FA3440-1, FA3440-2
Batch GN55196: FA3440-2
Batch GN55244: FA3440-1, FA3440-2
Batch GN55263: FA3440-1
Batch GP21394: FA3440-1F
Batch GP21408: FA3440-2F
Batch GP21459: FA3440-1, FA3440-2
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3440
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	GN55244	FA3557-6	mg/l	77.0	250	320	97.2	90-113%
Chloride	GP21418/GN55178	FA3408-1	mg/l	55.9	50	105	98.2	90-110%
Fluoride	GP21478/GN55436	FA3440-2	mg/l	23.0	2.5	21.5	-60.0(a)	90-110%
Nitrogen, Nitrate	GP21418/GN55178	FA3408-1	mg/l	0.68	2.5	3.2	100.8	90-110%
Nitrogen, Nitrite	GP21418/GN55178	FA3408-1	mg/l	0.050 U	2.5	2.6	104.0	90-110%
Phosphate, Ortho	GP21394/GN55107	FA3440-1F	mg/l	1800	3000	2810	33.4N(b)	83-116%
Phosphate, Ortho	GP21408/GN55131	FA3440-2F	mg/l	1.4	1.50	6.0	306.0N(b)	83-116%
Phosphorus, Total	GP21459/GN55264	FA3531-2	mg/l	5.7	.300	6.1	131.0(c)	81-118%
Sulfate	GP21418/GN55178	FA3408-1	mg/l	13.5	50	62.7	98.4	90-110%

Associated Samples:
Batch GN55244: FA3440-1, FA3440-2
Batch GP21394: FA3440-1F
Batch GP21408: FA3440-2F
Batch GP21418: FA3440-1, FA3440-2
Batch GP21459: FA3440-1, FA3440-2
Batch GP21478: FA3440-1, FA3440-2
(*) 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.
(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: FA3440
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	GP21418/GN55178	FA3408-1	mg/l	55.9	50	105	0.0	20%
Fluoride	GP21478/GN55436	FA3440-2	mg/l	23.0	2.5	21.9	1.8	20%
Nitrogen, Nitrate	GP21418/GN55178	FA3408-1	mg/l	0.68	2.5	3.2	0.0	20%
Nitrogen, Nitrite	GP21418/GN55178	FA3408-1	mg/l	0.050 U	2.5	2.6	0.0	20%
Phosphate, Ortho	GP21394/GN55107	FA3440-1F	mg/l	1800	3000	2810	0.0	26%
Phosphorus, Total	GP21459/GN55264	FA3531-2	mg/l	5.7	.300	5.94	1.9	22%
Sulfate	GP21418/GN55178	FA3408-1	mg/l	13.5	50	62.9	0.3	20%

Associated Samples:
Batch GP21394: FA3440-1F
Batch GP21418: FA3440-1, FA3440-2
Batch GP21459: FA3440-1, FA3440-2
Batch GP21478: FA3440-1, FA3440-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313060401.TXT Date Analyzed: 04/06/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55178
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:04	GN55178-CCV1	1		
13:19	GP21418-MB1	1		
13:35	GP21418-B1	1		
14:23	ZZZZZZ	5		
14:39	ZZZZZZ	1		
14:55	ZZZZZZ	2		
15:10	ZZZZZZ	25		
15:26	ZZZZZZ	10		
15:42	ZZZZZZ	100		
15:58	GN55178-CCV2	1		
16:14	GN55178-CCB1	1		
16:30	ZZZZZZ	50		
16:46	ZZZZZZ	25		
17:01	ZZZZZZ	1		
17:17	FA3408-1	1		(sample used for QC only; not part of login FA3440)
17:34	ZZZZZZ	5		
17:51	ZZZZZZ	2		
18:07	FA3408-4	1		(sample used for QC only; not part of login FA3440)
18:24	GP21418-S1	1		
18:40	GP21418-S2	1		
18:56	GP21418-S3	1		
19:13	GN55178-CCV3	1		
19:29	GN55178-CCB2	1		
19:45	GP21418-S4	1		
20:01	ZZZZZZ	5		
20:17	ZZZZZZ	5		
20:34	ZZZZZZ	5		
20:51	FA3440-1	100		
21:06	FA3440-2	5		
21:22	ZZZZZZ	1		
21:38	ZZZZZZ	50		
21:54	GN55178-CCV4	1		
22:10	GP21419-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313060401.TXT Date Analyzed: 04/06/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55178
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:27	GP21419-B1	1		
23:15	FA3438-1	1		(sample used for QC only; not part of login FA3440)
23:31	ZZZZZZ	1		
23:47	ZZZZZZ	5		
00:03	ZZZZZZ	5		
00:19	ZZZZZZ	5		
00:35	ZZZZZZ	5		
00:51	GN55178-CCV5	1		
01:06	GN55178-CCB3	1		
01:22	ZZZZZZ	5		
01:38	ZZZZZZ	5		
01:54	ZZZZZZ	5		
02:10	ZZZZZZ	5		
02:26	FA3443-2	1		(sample used for QC only; not part of login FA3440)
02:42	ZZZZZZ	2		
02:57	ZZZZZZ	10		
03:13	ZZZZZZ	25		
03:29	ZZZZZZ	50		
03:45	ZZZZZZ	50		
04:01	GN55178-CCV6	1		
04:17	GN55178-CCB4	1		
04:33	ZZZZZZ	10		
04:49	ZZZZZZ	2		
05:04	ZZZZZZ	5		
05:20	ZZZZZZ	10		
05:36	GP21419-S1	1		
05:53	GP21419-S2	1		
06:09	GP21419-S3	1		
06:25	GP21419-S4	1		
06:40	GN55178-CCV7	1		
06:56	GN55178-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313060401.TXT Date Analyzed: 04/06/13 Methods: EPA 300/SW846 9056A
Run ID: GN55178 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55178-CCV1	Chloride	51.1	2.0	0.80	50	102.2	90-110
GN55178-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN55178-CCV1	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN55178-CCV2	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN55178-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55178-CCV2	Sulfate	52.2	2.0	0.60	50	104.4	90-110
GN55178-CCB1	Chloride	0.80 U	2.0	0.80			
GN55178-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55178-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55178-CCV3	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN55178-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55178-CCV3	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN55178-CCB2	Chloride	0.80 U	2.0	0.80			
GN55178-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55178-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55178-CCV4	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN55178-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55178-CCV4	Sulfate	51.1	2.0	0.60	50	102.2	90-110
GN55178-CCV5	Chloride	51.5	2.0	0.80	50	103.0	90-110
GN55178-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55178-CCV5	Sulfate	52.5	2.0	0.60	50	105.0	90-110
GN55178-CCB3	Chloride	0.80 U	2.0	0.80			
GN55178-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55178-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55178-CCV6	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN55178-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55178-CCV6	Sulfate	52.3	2.0	0.60	50	104.6	90-110
GN55178-CCB4	Chloride	0.80 U	2.0	0.80			
GN55178-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55178-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55178-CCV7	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN55178-CCV7	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55178-CCV7	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN55178-CCB5	Chloride	0.80 U	2.0	0.80			
GN55178-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55178-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55187
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:32	GN55187-CCV1	1		
10:48	GP21424-MB1	1		
11:04	GP21424-B1	1		
12:07	ZZZZZZ	5		
12:23	ZZZZZZ	5		
12:39	ZZZZZZ	5		
13:27	GN55187-CCV2	1		
13:42	GN55187-CCB1	1		
13:58	ZZZZZZ	50		
14:14	ZZZZZZ	50		
14:30	ZZZZZZ	10		
14:46	ZZZZZZ	2		
15:02	ZZZZZZ	2		
15:34	ZZZZZZ	50		
15:50	ZZZZZZ	5		
16:05	FA3440-1	1000		
16:21	ZZZZZZ	2		
16:37	GN55187-CCV3	1		
16:53	GN55187-CCB2	1		
17:09	ZZZZZZ	50		
17:25	ZZZZZZ	50		
17:41	ZZZZZZ	5		
17:57	ZZZZZZ	1		
18:13	ZZZZZZ	1		
18:29	ZZZZZZ	1		
18:44	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:48	GN55187-CCV4	1		
20:04	GN55187-CCB3	1		
20:20	ZZZZZZ	1		
20:36	FA3401-1	1		(sample used for QC only; not part of login FA3440)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55187
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:52	ZZZZZZ	1		
21:07	FA3401-3	1		(sample used for QC only; not part of login FA3440)
21:23	ZZZZZZ	5		
21:39	ZZZZZZ	1		
21:55	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:27	ZZZZZZ	25		
22:43	ZZZZZZ	1		
22:59	GN55187-CCV5	1		
23:15	GN55187-CCB4	1		
23:30	GP21424-S1	1		
23:46	GP21424-S2	1		
00:02	GP21424-S3	1		
00:18	GP21424-S4	1		
00:34	GN55187-CCV6	1		
00:50	GP21425-MB1	1		
01:06	GP21425-B1	1		
02:09	FA3401-11	1		(sample used for QC only; not part of login FA3440)
02:25	ZZZZZZ	1		
02:41	ZZZZZZ	5		
02:57	ZZZZZZ	1		
03:13	ZZZZZZ	1		
03:29	GN55187-CCV7	1		
03:45	GN55187-CCB5	1		
04:01	ZZZZZZ	100		
04:17	GP21425-S1	1		
04:32	GP21425-S2	1		
04:48	GN55187-CCV8	1		
05:04	GN55187-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090401.TXT Date Analyzed: 04/09/13 Methods: EPA 300/SW846 9056A
Run ID: GN55187 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55187-CCV1	Sulfate	51.4	2.0	0.60	50	102.8	90-110
GN55187-CCV2	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN55187-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV3	Sulfate	52.4	2.0	0.60	50	104.8	90-110
GN55187-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV4	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN55187-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV5	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN55187-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55187-CCV6	Sulfate	51.6	2.0	0.60	50	103.2	90-110
GN55187-CCB6	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213150401.TXT Date Analyzed: 04/15/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55298
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:09	GN55298-CCV1	1		
10:25	GP21478-MB1	1		
10:41	GP21478-B1	1		
13:34	GN55298-CCV2	1		
14:03	GN55298-CCB1	1		
14:35	FA3440-2	5		
15:23	FA3440-1	2000		
15:55	GN55298-CCV3	1		
16:17	GN55298-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213150401.TXT Date Analyzed: 04/15/13 Methods: EPA 300/SW846 9056A
Run ID: GN55298 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55298-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN55298-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55298-CCB1	Fluoride	0.092	0.20	0.060			
GN55298-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN55298-CCB2	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213250401.TXT Date Analyzed: 04/25/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55436
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:25	GN55436-CCV1	1		
14:41	GP21541-MB1	1		
14:57	GP21541-B1	1		
15:44	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:48	ZZZZZZ	1		
17:04	ZZZZZZ	5		
17:20	GN55436-CCV2	1		
17:36	GN55436-CCB1	1		
17:51	ZZZZZZ	5		
18:07	FA3598-3	1		(sample used for QC only; not part of login FA3440)
18:23	FA3598-4	1		(sample used for QC only; not part of login FA3440)
18:39	ZZZZZZ	1		
19:11	ZZZZZZ	2000		
20:30	GN55436-CCV3	1		
20:46	GN55436-CCB2	1		
21:02	GP21541-S1	1		
21:18	GP21541-S2	1		
21:34	GP21541-S3	1		
21:50	GP21541-S4	1		
22:06	GP21478-S1	5		
22:21	GP21478-S2	5		
22:37	GN55436-CCV4	1		
22:53	GN55436-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3440
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213250401.TXT Date Analyzed: 04/25/13 Methods: EPA 300/SW846 9056A
Run ID: GN55436 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55436-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN55436-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55436-CCB1	Fluoride	0.060 U	0.20	0.060			
GN55436-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55436-CCB2	Fluoride	0.060 U	0.20	0.060			
GN55436-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55436-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

04/30/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA3606

Sampling Date: 04/11/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

Total number of pages in report: 77

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

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

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA3606

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
FA3606-1	04/11/13	10:15	TP	04/12/13	AQ	Ground Water	A-34-022
FA3606-1F	04/11/13	10:15	TP	04/12/13	AQ	Groundwater Filtered	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA3606

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 4/30/2013 10:46:39 AM

1 Sample was collected on 04/11/2013 and was received at Accutest SE on 04/12/2013 properly preserved, at 4.2 Deg. C and intact. The Sample received an Accutest job number of FA3606. 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:** MP24996

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) FA3643-1DUP, FA3643-1MS, FA3643-1MSD, FA3643-1PS, FA3643-1SDL were used as the QC samples for metals.

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

RPD(s) for Serial Dilution for Chromium, Sodium, Calcium are outside control limits for sample MP24996-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24996-SD1 for Calcium: Serial dilution indicates possible matrix interference.

FA3606-1 for Antimony, Arsenic, Calcium, Cadmium, Chromium, Selenium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55210

Sample(s) FA3606-1DUP was used as the QC sample for Specific Conductivity.

The following sample was run outside of holding time for method EPA 120.1: FA3606-1.

FA3606-1 for Specific Conductivity: Field analysis required. Received out of hold & analyzed by request.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21454

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) FA3568-3MS, FA3568-3MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

Matrix Spike Recovery(s) for Nitrogen, Nitrate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA3606-1 for Chloride and Nitrogen, Nitrate: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21541

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) FA3598-3MS, FA3598-3MSD were used as the QC samples for Fluoride.

Matrix Spike 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 365.3

Matrix: AQ **Batch ID:** GP21436

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) FA3598-2DUP, FA3598-2MS 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.

Matrix: AQ **Batch ID:** GP21459

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3531-2DUP, FA3531-2MS, FA3531-2MSD were used as the QC samples for Phosphorus, Total.

GP21459-S1 for Phosphorus, Total: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information. Refer to lab control or spike blank for recovery information.

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

Matrix: AQ **Batch ID:** GN55209

Sample(s) FA3595-1DUP was used as the QC sample for pH.

FA3606-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55340

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3655-3DUP, FA3655-3MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55332

All method blanks for this batch meet method specific criteria.

Sample(s) FA3598-5DUP was used as the QC sample for Solids, Total Dissolved.

The following samples were run outside of holding time for method SM19 2540C: FA3606-1. Sample analyzed beyond hold time due to laboratory error. See GN55418 for confirmation only.

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

Narrative prepared by:

_____ Date: April 30, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA3606
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/11/13

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3606-1	**A-34-022**					
Aluminum		1150	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.237	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		2.91	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		535	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.49	0.050	0.010	mg/l	SW846 6010C
Iron		1270	1.5	0.15	mg/l	SW846 6010C
Magnesium		816	25	0.37	mg/l	SW846 6010C
Potassium		382	50	1.0	mg/l	SW846 6010C
Sodium		545	100	5.0	mg/l	SW846 6010C
Chloride [b]		93.6 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		6320	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2330	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved [c]		25100	100	10	mg/l	SM19 2540C
Specific Conductivity [d]		14800	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		12900	400	120	mg/l	EPA 300/SW846 9056A
pH [e]		4.71			su	SM 4500H B/SW 9040C
FA3606-1F	**A-34-022**					
Phosphate, Ortho		2240	1000	190	mg/l	EPA 365.3

(a) Elevated reporting limit(s) due to matrix interference.
(b) Dilution required due to matrix interference.
(c) Sample analyzed beyond hold time due to laboratory error. See GN55418 for confirmation only.
(d) Field analysis required. Received out of hold & analyzed by request.
(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-34-022		
Lab Sample ID:	FA3606-1	**Date Sampled:**	04/11/13
Matrix:	AQ - Ground Water	**Date Received:**	04/12/13
		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	1150	1.0	0.075	mg/l	5	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	0.237	0.050	0.013	mg/l	5	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	2.91	0.025	0.0025	mg/l	5	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	535	5.0	0.25	mg/l	5	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2.49	0.050	0.010	mg/l	5	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	1270	1.5	0.15	mg/l	5	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	816	25	0.37	mg/l	5	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	382	50	1.0	mg/l	5	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	545	100	5.0	mg/l	10	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10694
(2) Prep QC Batch: MP24996

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA3606-1	**Date Sampled:**	04/11/13
Matrix:	AQ - Ground Water	**Date Received:**	04/12/13
		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	04/19/13 11:45	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/19/13 11:45	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	04/19/13 11:45	HH	SM19 2320B
Chloride [a]	93.6 J	200	80	mg/l	100	04/12/13 17:26	AA	EPA 300/SW846 9056A
Fluoride	6320	400	120	mg/l	2000	04/25/13 19:11	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	04/12/13 17:26	AA	EPA 300/SW846 9056A
Phosphorus, Total	2330	1000	280	mg/l	10000	04/15/13 09:40	LE	EPA 365.3
Solids, Total Dissolved [b]	25100	100	10	mg/l	1	04/19/13 14:20	KC	SM19 2540C
Specific Conductivity [c]	14800	1.0	1.0	umhos/cm	1	04/12/13 11:55	HH	EPA 120.1
Sulfate	12900	400	120	mg/l	200	04/15/13 17:29	AA	EPA 300/SW846 9056A
pH [d]	4.71			su	1	04/12/13 12:25	HH	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample analyzed beyond hold time due to laboratory error. See GN55418 for confirmation only.
(c) Field analysis required. Received out of hold & analyzed by request.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA3606-1F	**Date Sampled:**	04/11/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/12/13
		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	2240	1000	190	mg/l	10000	04/12/13 10:00	MG	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA3606 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

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

Project Information

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

Analytical Information

SEE ATTACHED

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	Collection: Date	Time	Sampled By:	Matrix	Total # of Bottles	Container Information: Other	None	HCl	HNO3	H2SO4	NaOH+ZnAc	DI Water	NaOH	Analytical Information	LAB USE ONLY
	A-34-022	041113	1015	TRP	GW	4		X			X	X			X	

TURNAROUND TIME (Business Days)

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

Approved By: / Rush Code

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	041113 1100	2 FX	3 FX	04/12/13 1000	4 Fred Torres ABF 04/12/13 1000
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal In Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 4.2

5.1 5

FA3606: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 3606 CLIENT: WSP Env PROJECT: AGrium

DATE/TIME RECEIVED: 04/12/13 10:00 (MM/DD/YY 24:00) NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3228 2719

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

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +.04
- [ ] OBSERVED TEMPS: 3.8
- [ ] CORRECTED TEMPS: 4.2

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: CoC read 4 bottles and recieved 3 bottles recieved 1 1000 ML unpreserved 1250ML Preseved with (H_2SO_4) and one 250 ML Bottle preseved with HNO_3.

TECHNICIAN SIGNATURE/DATE [signature] 04/12/13 REVIEWER SIGNATURE/DATE [signature] 04-12-13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA3606: Chain of Custody

Page 2 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

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

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

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

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10688
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:23	MA10688-STD1	1		STDA
08:27	MA10688-STD2	1		STDB
08:32	MA10688-STD3	1		STDC
08:36	MA10688-STD4	1		STDD
08:42	MA10688-HSTD1	1		
08:48	MA10688-ICV1	1		
08:59	MA10688-ICB1	1		
09:03	MA10688-CRIA1	1		
09:19	MA10688-ICSA1	1		
09:30	MA10688-ICSAB1	1		
09:41	MA10688-CCV1	1		
09:54	MA10688-CCB1	1		
09:59	MP24995-MB1	1		
10:04	MP24995-B1	1		
10:08	FA3844-1	1		(sample used for QC only; not part of login FA3606)
10:12	MP24995-D1	1		
10:17	MP24995-SD1	5		
10:21	MP24995-PS1	1		
10:26	MP24995-S1	1		
10:30	MP24995-S2	1		
10:34	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:43	MA10688-CCV2	1		
10:47	MA10688-CCB2	1		
10:51	ZZZZZZ	1		
10:56	ZZZZZZ	1		
11:00	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:14	MP24994-MB1	1		
11:18	MP24994-B1	1		
11:22	FA3745-1	1		(sample used for QC only; not part of login FA3606)
11:27	MP24994-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10688
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:31	MP24994-SD1	5		
11:36	MA10688-CCV3	1		
11:40	MA10688-CCB3	1		
11:45	MP24994-PS1	1		
11:49	MP24994-S1	1		
11:53	MP24994-S2	1		
11:57	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:29	MA10688-CCV4	1		
12:34	MA10688-CCB4	1		
12:38	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:24	MA10688-CCV5	1		
13:28	MA10688-CCB5	1		
13:33	ZZZZZZ	1		
13:37	MP24997-MB1	1		
13:42	MP24997-B1	1		
13:46	FA3826-1	1		(sample used for QC only; not part of login FA3606)
13:51	MP24997-D1	1		
13:55	MP24997-SD1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10688
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:59	MP24997-PS1	1		
14:04	MP24997-S1	1		
14:08	MP24997-S2	1		
14:13	ZZZZZZ	1		
14:17	MA10688-CCV6	1		
14:21	MA10688-CCB6	1		
14:26	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:45	MP24996-MB1	1		
14:49	MP24996-B1	1		
14:53	FA3643-1	1		(sample used for QC only; not part of login FA3606)
14:58	MP24996-D1	1		
15:02	MP24996-SD1	5		
15:07	MP24996-PS1	1		
15:11	MA10688-CCV7	1		
15:15	MA10688-CCB7	1		
15:20	MP24996-S1	1		
15:24	MP24996-S2	1		
15:28	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:05	MA10688-CCV8	1		
16:09	MA10688-CCB8	1		
16:13	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:22	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10688
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:32	ZZZZZZ	1		
	16:36	ZZZZZZ	1		
	16:41	ZZZZZZ	1		
	16:45	ZZZZZZ	1		
	16:50	ZZZZZZ	1		
	16:54	MP24996-MB2A	1		
	16:59	MA10688-CCV9	1		
	17:03	MA10688-CCB9	1		
	17:08	MP24996-MB3A	1		
---------->	Last reportable sample/prep for job FA3606				
	17:12	MP25001-MB1	1		
	17:17	MP25001-B1	1		
	17:21	FA3620-1	1		(sample used for QC only; not part of login FA3606)
	17:26	MP25001-D1	1		
	17:30	MP25001-SD1	5		
	17:35	MP25001-PS1	1		
	17:39	MP25001-S1	1		
	17:43	MP25001-S2	1		
	17:47	ZZZZZZ	1		
	17:52	MA10688-CCV10	1		
	17:56	MA10688-CCB10	1		
	18:01	ZZZZZZ	1		
	18:05	ZZZZZZ	1		
	18:10	ZZZZZZ	1		
	18:14	ZZZZZZ	1		
	18:19	ZZZZZZ	1		
	18:23	ZZZZZZ	1		
	18:28	ZZZZZZ	1		
	18:32	ZZZZZZ	1		
	18:37	ZZZZZZ	1		
	18:41	ZZZZZZ	1		
	18:46	MA10688-CCV11	1		
	18:50	MA10688-CCB11	1		
	18:54	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10688
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:59	ZZZZZZ	1		
19:03	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:12	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:26	MA10688-CRIA2	1		
19:30	MA10688-ICSA2	1		
19:35	MA10688-ICSAB2	1		
19:40	MA10688-CCV12	1		
19:44	MA10688-CCB12	1		
---------->	Last reportable CCB for job FA3606			
19:49	MA10688-CCV13	1		
19:53	MA10688-CCB13	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10688
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:23	MA10688-STD1	2120	16093	9173	1109
08:27	MA10688-STD2	2091	15895	9173	1071
08:32	MA10688-STD3	1995	15349	8826	989
08:36	MA10688-STD4	1971	15086	8765	948
08:42	MA10688-HSTD1	1940	15107	8716	939
08:48	MA10688-ICV1	2018	15588	9006	1000
08:59	MA10688-ICB1	2085 R	15794 R	8937 R	1082 R
09:03	MA10688-CRIA1	2048	15655	8882	1054
09:19	MA10688-ICSA1	1917	14626	8639	921
09:30	MA10688-ICSAB1	1913	14494	8692	909
09:41	MA10688-CCV1	2045	15533	8926	1013
09:54	MA10688-CCB1	2087	15854	9067	1087
09:59	MP24995-MB1	2111	15985	9154	1092
10:04	MP24995-B1	2045	15464	8949	1033
10:08	FA3844-1	2127	16058	9252	1067
10:12	MP24995-D1	2139	16153	9306	1071
10:17	MP24995-SD1	2156	16300	9309	1117
10:21	MP24995-PS1	2116	15989	9228	1056
10:26	MP24995-S1	2090	15982	9247	1014
10:30	MP24995-S2	2075	15783	9228	1005
10:34	ZZZZZZ	2133	16015	9177	1088
10:38	ZZZZZZ	2094	15711	9081	1057
10:43	MA10688-CCV2	2060	15589	8984	1020
10:47	MA10688-CCB2	2113	15984	9065	1103
10:51	ZZZZZZ	2079	15648	8973	1071
10:56	ZZZZZZ	2147	16233	9266	1075
11:00	ZZZZZZ	2126	15964	9099	1091
11:05	ZZZZZZ	2134	16175	9214	1081
11:09	ZZZZZZ	2122	16098	9162	1093
11:14	MP24994-MB1	2144	16488	9312	1123
11:18	MP24994-B1	2072	15827	9061	1053
11:22	FA3745-1	2216	16889	9707	1085
11:27	MP24994-D1	2197	16804	9637	1076

INTERNAL STANDARD SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10688
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	MP24994-SD1	2147	16260	9300	1099
11:36	MA10688-CCV3	2032	15656	8982	1009
11:40	MA10688-CCB3	2106	16080	9072	1098
11:45	MP24994-PS1	2189	16567	9582	1059
11:49	MP24994-S1	2122	16174	9378	1020
11:53	MP24994-S2	2128	16325	9523	1015
11:57	ZZZZZZ	2343	17944	10366	1036
12:02	ZZZZZZ	2116	16031	9145	1100
12:06	ZZZZZZ	2105	16057	9143	1080
12:11	ZZZZZZ	1937	15253	8799	906
12:15	ZZZZZZ	2070	16069	9280	952
12:20	ZZZZZZ	1956	15599	9010	921
12:25	ZZZZZZ	1979	15747	9272	907
12:29	MA10688-CCV4	2022	15512	8898	1007
12:34	MA10688-CCB4	2084	15881	9004	1088
12:38	ZZZZZZ	1940	15766	9059	948
12:43	ZZZZZZ	1933	15664	9120	865
12:47	ZZZZZZ	2031	16151	9235	971
12:52	ZZZZZZ	2064	16313	9426	984
12:57	ZZZZZZ	1994	16074	9485	785
13:01	ZZZZZZ	2202	16637	9556	1070
13:06	ZZZZZZ	1956	15439	8956	945
13:10	ZZZZZZ	1908	15225	8794	863
13:15	ZZZZZZ	2011	15605	8970	1030
13:20	ZZZZZZ	2068	15937	9139	1038
13:24	MA10688-CCV5	1991	15377	8647	993
13:28	MA10688-CCB5	2059	15802	8899	1080
13:33	ZZZZZZ	2048	15956	9261	984
13:37	MP24997-MB1	2032	15617	8796	1066
13:42	MP24997-B1	2007	15511	8841	1029
13:46	FA3826-1	2348	18048	10314	1058
13:51	MP24997-D1	2382	18291	10445	1051
13:55	MP24997-SD1	2202	16901	9454	1112

INTERNAL STANDARD SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10688
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:59	MP24997-PS1	2318	17948	10248	1044
14:04	MP24997-S1	2316	18146	10186	1020
14:08	MP24997-S2	2328	18207	10363	1012
14:13	ZZZZZZ	2353	18423	10377	1059
14:17	MA10688-CCV6	2039	15743	8911	1020
14:21	MA10688-CCB6	2099	16082	9050	1101
14:26	ZZZZZZ	2288	18394	10243	1045
14:31	ZZZZZZ	2143	16495	9415	1049
14:35	ZZZZZZ	2431	18951	10769	1041
14:40	ZZZZZZ	1926	15451	8889	862
14:45	MP24996-MB1	2105	16358	9173	1113
14:49	MP24996-B1	2043	15993	9005	1059
14:53	FA3643-1	2128	16487	9286	1080
14:58	MP24996-D1	2133	16557	9386	1078
15:02	MP24996-SD1	2093	16147	9117	1095
15:07	MP24996-PS1	2094	16406	9308	1060
15:11	MA10688-CCV7	1973	15594	8804	1003
15:15	MA10688-CCB7	2047	15957	8925	1093
15:20	MP24996-S1	2065	16395	9208	1038
15:24	MP24996-S2	2074	16362	9256	1044
15:28	ZZZZZZ	2014	16194	9060	1079
15:33	ZZZZZZ	2064	16254	9160	1102
15:37	ZZZZZZ	2046	16323	9069	1103
15:42	ZZZZZZ	2034	16115	9040	1094
15:46	ZZZZZZ	2035	16509	9013	1094
15:51	ZZZZZZ	1927	15837	8775	996
15:56	ZZZZZZ	1951	15893	8919	1043
16:00	ZZZZZZ	1935	15738	8768	1024
16:05	MA10688-CCV8	1946	15653	8736	1003
16:09	MA10688-CCB8	2005	16007	8821	1086
16:13	ZZZZZZ	2008	16226	8994	1079
16:18	ZZZZZZ	1968	16059	9002	1062
16:22	ZZZZZZ	1919	15602	8666	1032

INTERNAL STANDARD SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10688
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:32	ZZZZZZ	1965	16030	8838	1055
16:36	ZZZZZZ	2024	16245	8951	1088
16:41	ZZZZZZ	2000	16059	8908	1083
16:45	ZZZZZZ	2037	16359	9005	1102
16:50	ZZZZZZ	2035	16342	9025	1100
16:54	MP24996-MB2A	2037	16331	8961	1103
16:59	MA10688-CCV9	1949	15719	8685	1004
17:03	MA10688-CCB9	2038	16136	8838	1099
17:08	MP24996-MB3A	2043	16379	8980	1109
17:12	MP25001-MB1	1993	15990	8795	1084
17:17	MP25001-B1	1984	15939	8784	1047
17:21	FA3620-1	2043	16392	9105	1093
17:26	MP25001-D1	2049	16204	9026	1096
17:30	MP25001-SD1	2036	16051	8817	1096
17:35	MP25001-PS1	2023	16177	8938	1081
17:39	MP25001-S1	1955	15570	8624	1022
17:43	MP25001-S2	1996	15985	8862	1046
17:47	ZZZZZZ	2059	16400	9076	1091
17:52	MA10688-CCV10	1958	14866	8723	1004
17:56	MA10688-CCB10	2019	15899	8816	1080
18:01	ZZZZZZ	1982	15801	8863	1053
18:05	ZZZZZZ	2087	16728	9426	1067
18:10	ZZZZZZ	2180	17121	9498	1068
18:14	ZZZZZZ	2066	16288	9031	1097
18:19	ZZZZZZ	2125	16833	9329	1075
18:23	ZZZZZZ	2088	16694	9213	1078
18:28	ZZZZZZ	1959	15659	9050	1057
18:32	ZZZZZZ	2057	16384	9098	1087
18:37	ZZZZZZ	2071	16524	9292	1023
18:41	ZZZZZZ	2019	16091	9034	1072
18:46	MA10688-CCV11	1952	15566	8631	998
18:50	MA10688-CCB11	2005	15701	8645	1072
18:54	ZZZZZZ	2043	16085	8893	1087

INTERNAL STANDARD SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10688
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:59	ZZZZZZ	2041	16752	8982	1085
19:03	ZZZZZZ	1994	15983	8830	1050
19:08	ZZZZZZ	2026	16183	8983	1075
19:12	ZZZZZZ	2012	15837	8891	1071
19:17	ZZZZZZ	2002	15936	8791	1080
19:21	ZZZZZZ	1941	15562	8579	1046
19:26	MA10688-CRIA2	1992	15779	8636	1066
19:30	MA10688-ICSA2	1786	14173	8336	880
19:35	MA10688-ICSAB2	1827	14448	8372	894
19:40	MA10688-CCV12	1937	15341	8522	986
19:44	MA10688-CCB12	1992	15730	8600	1069
19:49	MA10688-CCV13	1933	15378	8543	985
19:53	MA10688-CCB13	2003	15756	8710	1067

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: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10688 Units: ug/l

Time:			08:59		09:54		10:47		11:40	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.8	<200	-3.0	<200	8.3	<200	8.6	<200
Antimony	6.0	1.3	-1.2	<6.0	-2.0	<6.0	-1.0	<6.0	-2.0	<6.0
Arsenic	10	1.6	-1.6	<10	-1.1	<10	-1.9	<10	-1.3	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.0	<5.0	0.30	<5.0	0.20	<5.0
Calcium	1000	50	-3.5	<1000	20.5	<1000	39.1	<1000	33.4	<1000
Chromium	10	1.8	0.30	<10	0.20	<10	1.1	<10	0.60	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	1.4	<300	-0.50	<300	30.6	<300	29.7	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	3.4	<5000	-2.4	<5000	28.1	<5000	14.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	1.8	<10000	-0.30	<10000	2.4	<10000	8.7	<10000
Selenium	10	2	-0.20	<10	0.0	<10	1.1	<10	0.80	<10
Silver	10	.5	anr							
Sodium	10000	500	-1.6	<10000	57.4	<10000	64.0	<10000	58.5	<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: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10688 Units: ug/l

Time:			12:34		13:28		14:21		15:15	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.9	<200	4.5	<200	5.9	<200	5.9	<200
Antimony	6.0	1.3	-1.2	<6.0	-2.3	<6.0	-1.8	<6.0	-1.3	<6.0
Arsenic	10	1.6	-1.0	<10	-1.5	<10	-0.60	<10	-1.1	<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	0.20	<5.0
Calcium	1000	50	95.6	<1000	43.4	<1000	26.2	<1000	5.2	<1000
Chromium	10	1.8	0.50	<10	0.30	<10	0.20	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	30.5	<300	28.4	<300	20.9	<300	15.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	29.0	<5000	12.6	<5000	21.7	<5000	15.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	41.7	<10000	-4.1	<10000	11.3	<10000	4.5	<10000
Selenium	10	2	0.90	<10	-0.60	<10	-1.2	<10	0.10	<10
Silver	10	.5	anr							
Sodium	10000	500	93.0	<10000	103	<10000	81.7	<10000	30.8	<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: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10688 Units: ug/l

Time:			16:09		17:03		17:56		18:50	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	3.5	<200	1.1	<200	0.40	<200	3.5	<200
Antimony	6.0	1.3	-1.5	<6.0	-0.70	<6.0	-1.1	<6.0	-1.4	<6.0
Arsenic	10	1.6	0.50	<10	-0.80	<10	-1.1	<10	-1.3	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.30	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	12.5	<1000	8.0	<1000	5.1	<1000	3.3	<1000
Chromium	10	1.8	0.50	<10	0.90	<10	0.60	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	25.1	<300	24.8	<300	23.6	<300	22.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	8.1	<5000	13.1	<5000	3.0	<5000	-0.10	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	28.9	<10000	8.4	<10000	28.3	<10000	-14	<10000
Selenium	10	2	-4.7	<10	-2.5	<10	-1.5	<10	-1.8	<10
Silver	10	.5	anr							
Sodium	10000	500	51.2	<10000	30.1	<10000	22.9	<10000	28.0	<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: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10688 Units: ug/l

Time:			19:44	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	15	20.1	<200
Antimony	6.0	1.3	-1.1	<6.0
Arsenic	10	1.6	-1.2	<10
Barium	200	1	anr	
Beryllium	4.0	.5	anr	
Cadmium	5.0	.5	0.40	<5.0
Calcium	1000	50	52.1	<1000
Chromium	10	1.8	0.20	<10
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	41.1	<300
Lead	5.0	1.1	anr	
Magnesium	5000	74	52.1	<5000
Manganese	15	.7	anr	
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200	-2.1	<10000
Selenium	10	2	-0.30	<10
Silver	10	.5	anr	
Sodium	10000	500	38.8	<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: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10688 Units: ug/l

Time:		08:48			09:41			10:43	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40100	100.3	40000	40000	100.0
Antimony	2000	2010	100.5	2000	2000	100.0	2000	2010	100.5
Arsenic	2000	2010	100.5	2000	1990	99.5	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2020	101.0	2000	2050	102.5
Calcium	40000	41100	102.8	40000	41200	103.0	40000	41300	103.3
Chromium	2000	2030	101.5	2000	2040	102.0	2000	2070	103.5
Cobalt									
Copper	anr								
Iron	40000	40300	100.8	40000	41200	103.0	40000	41200	103.0
Lead	anr								
Magnesium	40000	38700	96.8	40000	41300	103.3	40000	41200	103.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40300	100.8	40000	39600	99.0	40000	39900	99.8
Selenium	2000	2040	102.0	2000	2000	100.0	2000	2020	101.0
Silver	anr								
Sodium	40000	40400	101.0	40000	39600	99.0	40000	39800	99.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10688 Units: ug/l

Time:		11:36			12:29			13:24	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	40300	100.8	40000	41400	103.5
Antimony	2000	2040	102.0	2000	2060	103.0	2000	2090	104.5
Arsenic	2000	2040	102.0	2000	2060	103.0	2000	2090	104.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2090	104.5	2000	2120	106.0
Calcium	40000	41100	102.8	40000	41700	104.3	40000	42400	106.0
Chromium	2000	2070	103.5	2000	2090	104.5	2000	2120	106.0
Cobalt									
Copper	anr								
Iron	40000	41100	102.8	40000	41500	103.8	40000	42500	106.3
Lead	anr								
Magnesium	40000	40700	101.8	40000	41400	103.5	40000	42300	105.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40000	100.0	40000	40600	101.5	40000	41400	103.5
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2110	105.5
Silver	anr								
Sodium	40000	40000	100.0	40000	40500	101.3	40000	41400	103.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10688 Units: ug/l

Time:		14:17			15:11			16:05	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39200	98.0	40000	38900	97.3
Antimony	2000	2020	101.0	2000	2070	103.5	2000	2090	104.5
Arsenic	2000	2030	101.5	2000	2070	103.5	2000	2110	105.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2100	105.0	2000	2140	107.0
Calcium	40000	40800	102.0	40000	40500	101.3	40000	40800	102.0
Chromium	2000	2060	103.0	2000	2050	102.5	2000	2070	103.5
Cobalt									
Copper	anr								
Iron	40000	41000	102.5	40000	41400	103.5	40000	41900	104.8
Lead	anr								
Magnesium	40000	40500	101.3	40000	40200	100.5	40000	40400	101.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39800	99.5	40000	39800	99.5	40000	39900	99.8
Selenium	2000	2040	102.0	2000	2100	105.0	2000	2140	107.0
Silver	anr								
Sodium	40000	39900	99.8	40000	40000	100.0	40000	40200	100.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10688 Units: ug/l

Time:		16:59			17:52			18:46	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38500	96.3	40000	38600	96.5	40000	39500	98.8
Antimony	2000	2090	104.5	2000	2090	104.5	2000	2100	105.0
Arsenic	2000	2100	105.0	2000	2100	105.0	2000	2110	105.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2140	107.0	2000	2130	106.5	2000	2140	107.0
Calcium	40000	40600	101.5	40000	40400	101.0	40000	41200	103.0
Chromium	2000	2070	103.5	2000	2230	111.5*(a	2000	2090	104.5
Cobalt									
Copper	anr								
Iron	40000	41600	104.0	40000	41500	103.8	40000	41800	104.5
Lead	anr								
Magnesium	40000	40000	100.0	40000	39900	99.8	40000	40700	101.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39800	99.5	40000	39800	99.5	40000	40600	101.5
Selenium	2000	2130	106.5	2000	2130	106.5	2000	2140	107.0
Silver	anr								
Sodium	40000	40000	100.0	40000	40000	100.0	40000	40600	101.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10688 Units: ug/l

Time:		19:40	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	40000	40400	101.0
Antimony	2000	2120	106.0
Arsenic	2000	2140	107.0
Barium	anr		
Beryllium	anr		
Cadmium	2000	2160	108.0
Calcium	40000	41900	104.8
Chromium	2000	2120	106.0
Cobalt			
Copper	anr		
Iron	40000	42600	106.5
Lead	anr		
Magnesium	40000	41400	103.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	41200	103.0
Selenium	2000	2150	107.5
Silver	anr		
Sodium	40000	41400	103.5
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10688 Units: ug/l

Time:		08:42	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	4050	101.3
Arsenic	4000	4050	101.3
Barium	anr		
Beryllium	anr		
Cadmium	4000	4020	100.5
Calcium	80000	80000	100.0
Chromium	4000	3970	99.3
Cobalt			
Copper	anr		
Iron	80000	80200	100.3
Lead	anr		
Magnesium	80000	80600	100.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80500	100.6
Selenium	4000	4060	101.5
Silver	anr		
Sodium	80000	80400	100.5
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10688 Units: ug/l

Time:			09:03		19:26	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	200	100.0	192	96.0
Antimony	10	5.0	4.1	82.0	3.2	64.0*(a)
Arsenic	20	10	9.3	93.0	10.7	107.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.4	108.0
Calcium	2000	1000	1040	104.0	1050	105.0
Chromium	20	10	10.7	107.0	11.2	112.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	317	105.7	320	106.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5050	101.0	5090	101.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10200	102.0	10200	102.0
Selenium	20	10	9.4	94.0	7.4	74.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	10100	101.0
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
(a) Possible instrument baseline drift.

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

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA042213M1.ICP Date Analyzed: 04/22/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10688 Units: ug/l

Time:			09:19		09:30		19:30		19:35	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	491000	98.2	497000	99.4	510000	102.0	491000	98.2
Antimony		1000	-1.7		1010	101.0	-5.7		1050	105.0
Arsenic		1000	0.0		1010	101.0	-1.8		1070	107.0
Barium		500	0.30		494	98.8	0.70		505	101.0
Beryllium		500	-0.10		479	95.8	0.0		485	97.0
Cadmium		1000	0.10		902	90.2	-0.10		942	94.2
Calcium	500000	500000	477000	95.4	483000	96.6	507000	101.4	489000	97.8
Chromium		500	-0.30		464	92.8	0.10		474	94.8
Cobalt		500	-0.90		452	90.4	-0.70		482	96.4
Copper		500	0.0		531	106.2	0.20		514	102.8
Iron	200000	200000	185000	92.5	186000	93.0	201000	100.5	193000	96.5
Lead		1000	-0.10		935	93.5	-2.4		946	94.6
Magnesium	500000	500000	501000	100.2	510000	102.0	530000	106.0	514000	102.8
Manganese		500	0.0		475	95.0	1.2		481	96.2
Molybdenum		1000	0.60		912	91.2	1.1		976	97.6
Nickel		1000	0.70		903	90.3	1.3		935	93.5
Potassium			-21		6.4		28.9		-6.9	
Selenium		1000	0.0		949	94.9	-7.7		1000	100.0
Silver		1000	0.20		954	95.4	0.0		981	98.1
Sodium			84.2		87.2		180		126	
Strontium		1000	11.8		1010	101.0	12.9		1020	102.0
Thallium		1000	0.0		941	94.1	1.3		949	94.9
Tin		1000	0.20		928	92.8	2.6		951	95.1
Titanium		1000	-4.3		1010	101.0	-4.8		1010	101.0
Vanadium		500	-0.20		476	95.2	1.0		471	94.2
Zinc		1000	-0.50		903	90.3	8.8		934	93.4

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10694
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	08:06	MA10694-STD1	1		STDA
	08:11	MA10694-STD2	1		STDB
	08:15	MA10694-STD3	1		STDC
	08:18	MA10694-STD4	1		STDD
	08:25	MA10694-HSTD1	1		
	08:34	MA10694-ICV1	1		
	08:43	MA10694-ICB1	1		
	08:47	MA10694-CRIA1	1		
	09:00	MA10694-ICSA1	1		
	09:09	MA10694-ICSAB1	1		
	09:16	MA10694-CCV1	1		
	09:25	MA10694-CCB1	1		
	09:31	MP25002-MB1	1		
	09:35	MP25002-B1	1		
	10:08	ZZZZZZ	1		
	10:13	MA10694-CCV2	1		
	10:17	MA10694-CCB2	1		
	10:21	ZZZZZZ	1		
	10:59	ZZZZZZ	1		
	11:03	MA10694-CCV3	1		
	11:07	MA10694-CCB3	1		
	11:27	ZZZZZZ	1		
	11:31	ZZZZZZ	1		
	11:35	ZZZZZZ	1		
	11:39	ZZZZZZ	1		
	11:44	ZZZZZZ	5		
	11:48	FA3606-1	10		
	11:52	FA3606-1	5		
---------->	Last reportable sample/prep for job FA3606				
	11:56	MA10694-CCV4	1		
	12:00	MA10694-CCB4	1		
	12:04	ZZZZZZ	4		
	12:09	ZZZZZZ	4		
	12:13	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10694
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:17	MP25009-MB1	1		
12:21	MP25009-B1	1		
12:25	FA3495-1L	1		(sample used for QC only; not part of login FA3606)
12:29	MP25009-D1	1		
12:33	MP25009-SD1	5		
12:37	MP25009-S1	1		
12:41	MP25009-S2	1		
12:46	MA10694-CCV5	1		
12:50	MA10694-CCB5	1		
12:54	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	MP25009-D2	1		
13:11	MP25009-MB2	1		
13:15	MP25009-B2	1		
13:19	MP25009-MB3	1		
13:23	MP25009-B3	1		
13:27	MP25009-MB4	1		
13:32	MP25009-B4	1		
13:36	MA10694-CCV6	1		
13:40	MA10694-CCB6	1		
13:44	MP25011-MB1	1		
13:48	MP25011-B1	1		
13:52	FA3543-1	1		(sample used for QC only; not part of login FA3606)
13:56	MP25011-D1	1		
14:00	MP25011-SD1	5		
14:05	MP25011-S1	1		
14:09	MP25011-S2	1		
14:13	MP25011-D2	1		
14:20	MP25011-MB2	1		
14:24	MP25011-B2	1		
14:28	MA10694-CCV7	1		
14:32	MA10694-CCB7	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10694
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:36	MP25012-MB1	1		
14:41	MP25012-B1	1		
14:44	FA3757-3	1		(sample used for QC only; not part of login FA3606)
14:49	MP25012-D1	1		
14:53	MP25012-SD1	5		
14:57	MP25012-PS1	1		
15:01	MP25012-S1	1		
15:05	MP25012-S2	1		
15:09	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:17	MA10694-CCV8	1		
15:21	MA10694-CCB8	1		
15:25	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		
16:05	ZZZZZZ	1		
16:10	MA10694-CCV9	1		
16:14	MA10694-CCB9	1		
16:18	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:36	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:50	MA10694-CRIA2	1		
16:54	MA10694-ICSA2	1		
16:58	MA10694-ICSAB2	1		
17:02	MA10694-CCV10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10694
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:06	MA10694-CCB10	1		
----------> Last reportable CCB for job FA3606				
17:10	MA10694-CCV11	1		
17:14	MA10694-CCB11	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10694
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:06	MA10694-STD1	9741	47714	7115	4005
08:11	MA10694-STD2	9485	46409	6953	3611
08:15	MA10694-STD3	9197	44632	6995	3267
08:18	MA10694-STD4	8839	43484	7038	2979
08:25	MA10694-HSTD1	8840	43671	6940	2943
08:34	MA10694-ICV1	9147	44666	6992	3235
08:43	MA10694-ICB1	9807 R	47668 R	7014 R	3967 R
08:47	MA10694-CRIA1	9674	47206	7018	3737
09:00	MA10694-ICSA1	8556	40852	6797	2866
09:09	MA10694-ICSAB1	8537	40773	6787	2837
09:16	MA10694-CCV1	9224	45043	6988	3215
09:25	MA10694-CCB1	9776	47477	6907	3969
09:31	MP25002-MB1	10084	49696	7313	4048
09:35	MP25002-B1	9593	46495	7153	3535
10:08	ZZZZZZ	12982	61720	9375	3273
10:13	MA10694-CCV2	9235	44871	6644	3288
10:17	MA10694-CCB2	9774	47838	6785	4016
10:21	ZZZZZZ	12732	60420	9487	2988
10:59	ZZZZZZ	12686	60060	9422	2487
11:03	MA10694-CCV3	9381	44983	6219	3255
11:07	MA10694-CCB3	9926	48261	6389	3982
11:27	ZZZZZZ	11643	55997	7868	3462
11:31	ZZZZZZ	12499	59844	8794	3101
11:35	ZZZZZZ	10617	51428	7299	3415
11:39	ZZZZZZ	10730	51842	7364	3469
11:44	ZZZZZZ	9300	45302	6408	3319
11:48	FA3606-1	9916	47242	6812	3349
11:52	FA3606-1	10259	49064	7349	3030
11:56	MA10694-CCV4	9140	44592	6288	3296
12:00	MA10694-CCB4	9606	47326	6411	4026
12:04	ZZZZZZ	10386	50677	7156	3440
12:09	ZZZZZZ	9713	47557	6370	3854
12:13	ZZZZZZ	9770	47813	6497	3852

INTERNAL STANDARD SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10694
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:17	MP25009-MB1	9903	49024	6478	4105
12:21	MP25009-B1	9380	46036	6391	3535
12:25	FA3495-1L	9289	45341	6427	3514
12:29	MP25009-D1	9214	45437	6502	3522
12:33	MP25009-SD1	9357	46479	6364	3739
12:37	MP25009-S1	9114	44798	6382	3312
12:41	MP25009-S2	9095	44666	6412	3310
12:46	MA10694-CCV5	9068	44474	6291	3295
12:50	MA10694-CCB5	9686	48183	6438	4053
12:54	ZZZZZZ	9019	44521	6462	3424
12:58	ZZZZZZ	9463	46187	6708	3614
13:02	ZZZZZZ	9585	48012	7172	3582
13:06	MP25009-D2	9508	47233	6901	3591
13:11	MP25009-MB2	9379	46596	6781	3570
13:15	MP25009-B2	9121	45558	6738	3375
13:19	MP25009-MB3	9218	46130	6688	3556
13:23	MP25009-B3	9241	45601	6635	3381
13:27	MP25009-MB4	9352	46415	6787	3559
13:32	MP25009-B4	9226	45396	6551	3366
13:36	MA10694-CCV6	9213	45387	6534	3348
13:40	MA10694-CCB6	9649	48193	6620	4073
13:44	MP25011-MB1	9847	49618	6673	4116
13:48	MP25011-B1	9302	46288	6478	3510
13:52	FA3543-1	9111	45179	6513	3374
13:56	MP25011-D1	9193	45474	6590	3412
14:00	MP25011-SD1	9472	47214	6612	3735
14:05	MP25011-S1	9110	44908	6626	3283
14:09	MP25011-S2	9120	45237	6605	3266
14:13	MP25011-D2	9227	45802	6682	3421
14:20	MP25011-MB2	9342	45740	6615	3551
14:24	MP25011-B2	9201	45139	6698	3382
14:28	MA10694-CCV7	9109	45385	6447	3325
14:32	MA10694-CCB7	9708	48490	6513	4047

INTERNAL STANDARD SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10694
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:36	MP25012-MB1	9913	49900	6721	4102
14:41	MP25012-B1	9459	46816	6515	3557
14:44	FA3757-3	9710	48547	6666	3854
14:49	MP25012-D1	9588	47771	6722	3838
14:53	MP25012-SD1	9694	48585	6614	3997
14:57	MP25012-PS1	9653	48147	6640	3724
15:01	MP25012-S1	9536	46980	6705	3531
15:05	MP25012-S2	9441	46402	6612	3505
15:09	ZZZZZZ	9494	47633	6568	3834
15:13	ZZZZZZ	9679	48252	6621	3825
15:17	MA10694-CCV8	9100	44992	6374	3298
15:21	MA10694-CCB8	9734	48263	6439	4036
15:25	ZZZZZZ	8699	43117	6656	3135
15:34	ZZZZZZ	8820	44592	6683	3258
15:38	ZZZZZZ	8955	45345	6669	3280
15:43	ZZZZZZ	8428	42260	6574	2988
15:47	ZZZZZZ	8175	40854	6490	2924
15:52	ZZZZZZ	7882	39349	6338	2764
15:56	ZZZZZZ	8306	41768	6432	2915
16:01	ZZZZZZ	7820	38965	6299	2740
16:05	ZZZZZZ	7494	37311	6299	2607
16:10	MA10694-CCV9	9246	46116	6426	3321
16:14	MA10694-CCB9	9816	49579	6512	4022
16:18	ZZZZZZ	7547	37306	6321	2558
16:22	ZZZZZZ	7746	38613	6314	2718
16:27	ZZZZZZ	8044	41809	6364	2614
16:36	ZZZZZZ	7331	36579	6428	2360
16:41	ZZZZZZ	8496	42093	6637	2985
16:45	ZZZZZZ	8499	41326	6520	2901
16:50	MA10694-CRIA2	9887	49629	6520	3891
16:54	MA10694-ICSA2	8748	43056	6253	2983
16:58	MA10694-ICSAB2	8627	42591	6277	2937
17:02	MA10694-CCV10	9333	46424	6363	3363

INTERNAL STANDARD SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10694
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:06	MA10694-CCB10	10056	50069	6492	4104
17:10	MA10694-CCV11	9454	46481	6231	3358
17:14	MA10694-CCB11	10025	49846	6473	4112

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: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10694 Units: ug/l

Time:			08:43		09:25		10:17		11:07	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.8	<200	1.4	<200	5.6	<200	4.5	<200
Antimony	6.0	1.3	-0.40	<6.0	-3.3	<6.0	-3.2	<6.0	-3.9	<6.0
Arsenic	10	1.6	-0.30	<10	-0.50	<10	-0.50	<10	-0.40	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.20	<5.0	-0.10	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	-1.3	<1000	8.3	<1000	33.1	<1000	114	<1000
Chromium	10	1.8	-0.20	<10	0.20	<10	0.20	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-5.8	<300	-0.20	<300	0.70	<300	2.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-16	<5000	1.0	<5000	7.3	<5000	-5.8	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	16.9	<10000	-7.0	<10000	49.5	<10000	22.2	<10000
Selenium	10	2	0.0	<10	-1.8	<10	-1.0	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	7.1	<10000	8.2	<10000	32.3	<10000	35.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10694 Units: ug/l

Time:			12:00		12:50		13:40		14:32	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	19.8	<200	3.7	<200	-2.2	<200	5.8	<200
Antimony	6.0	1.3	-3.8	<6.0	-3.4	<6.0	-3.6	<6.0	-4.4	<6.0
Arsenic	10	1.6	-0.30	<10	-0.50	<10	-0.90	<10	0.10	<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	0.0	<5.0
Calcium	1000	50	11.8	<1000	6.4	<1000	7.9	<1000	6.3	<1000
Chromium	10	1.8	0.20	<10	0.0	<10	-0.10	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	11.1	<300	-0.40	<300	-0.30	<300	4.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	2.1	<5000	7.2	<5000	-6.2	<5000	1.6	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	36.8	<10000	59.4	<10000	8.5	<10000	52.5	<10000
Selenium	10	2	-0.10	<10	-0.40	<10	-0.50	<10	-0.70	<10
Silver	10	.5	anr							
Sodium	10000	500	43.4	<10000	66.2	<10000	100	<10000	106	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10694 Units: ug/l

Time:			15:21		16:14		17:06	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	3.3	<200	11.1	<200	26.1	<200
Antimony	6.0	1.3	-4.0	<6.0	-3.9	<6.0	-4.0	<6.0
Arsenic	10	1.6	-0.20	<10	-0.60	<10	-0.10	<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
Calcium	1000	50	7.1	<1000	28.5	<1000	24.5	<1000
Chromium	10	1.8	0.10	<10	0.30	<10	0.30	<10
Cobalt	50	.5						
Copper	25	1	anr					
Iron	300	29	2.2	<300	3.9	<300	12.1	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	-12	<5000	13.6	<5000	21.3	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	4.4	<10000	95.4	<10000	376	<10000
Selenium	10	2	-0.30	<10	-0.20	<10	0.60	<10
Silver	10	.5	anr					
Sodium	10000	500	37.1	<10000	794	<10000	577	<10000
Strontium	10	.5						
Thallium	10	1.3	anr					
Tin	50	.7						
Titanium	10	.9	anr					
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: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10694 Units: ug/l

Time:		08:34			09:16			10:13	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	39900	99.8	40000	39600	99.0
Antimony	2000	1990	99.5	2000	1970	98.5	2000	2000	100.0
Arsenic	2000	2000	100.0	2000	1980	99.0	2000	2000	100.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Calcium	40000	40800	102.0	40000	40000	100.0	40000	39100	97.8
Chromium	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	39600	99.0	40000	39500	98.8	40000	39000	97.5
Lead	anr								
Magnesium	40000	38800	97.0	40000	39600	99.0	40000	38700	96.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39800	99.5	40000	39300	98.3	40000	41100	102.8
Selenium	2000	2020	101.0	2000	1970	98.5	2000	2010	100.5
Silver	anr								
Sodium	40000	41200	103.0	40000	40200	100.5	40000	40600	101.5
Strontium									
Thallium	anr								
Tin									
Titanium	anr								
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10694 Units: ug/l

Time:		11:03			11:56			12:46	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	38700	96.8	40000	38500	96.3
Antimony	2000	1920	96.0	2000	2030	101.5	2000	2070	103.5
Arsenic	2000	1940	97.0	2000	2020	101.0	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2030	101.5	2000	2030	101.5
Calcium	40000	40100	100.3	40000	39000	97.5	40000	38700	96.8
Chromium	2000	2040	102.0	2000	2020	101.0	2000	2010	100.5
Cobalt									
Copper	anr								
Iron	40000	39200	98.0	40000	40300	100.8	40000	40800	102.0
Lead	anr								
Magnesium	40000	38800	97.0	40000	39200	98.0	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41700	104.3	40000	42500	106.3	40000	42400	106.0
Selenium	2000	1930	96.5	2000	2040	102.0	2000	2060	103.0
Silver	anr								
Sodium	40000	41300	103.3	40000	40400	101.0	40000	40100	100.3
Strontium									
Thallium	anr								
Tin									
Titanium	anr								
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10694 Units: ug/l

Time:		13:36			14:28			15:17	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38400	96.0	40000	38700	96.8	40000	38800	97.0
Antimony	2000	2060	103.0	2000	2100	105.0	2000	2080	104.0
Arsenic	2000	2040	102.0	2000	2080	104.0	2000	2060	103.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2040	102.0	2000	2040	102.0
Calcium	40000	38700	96.8	40000	38900	97.3	40000	39100	97.8
Chromium	2000	1990	99.5	2000	1990	99.5	2000	2000	100.0
Cobalt									
Copper	anr								
Iron	40000	40700	101.8	40000	41800	104.5	40000	41400	103.5
Lead	anr								
Magnesium	40000	39000	97.5	40000	39700	99.3	40000	39600	99.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41900	104.8	40000	42600	106.5	40000	42100	105.3
Selenium	2000	2060	103.0	2000	2100	105.0	2000	2070	103.5
Silver	anr								
Sodium	40000	39800	99.5	40000	39900	99.8	40000	40000	100.0
Strontium									
Thallium	anr								
Tin									
Titanium	anr								
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10694 Units: ug/l

Time:		16:10			17:02	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38500	96.3	40000	38600	96.5
Antimony	2000	2070	103.5	2000	2080	104.0
Arsenic	2000	2050	102.5	2000	2060	103.0
Barium	anr					
Beryllium	anr					
Cadmium	2000	2030	101.5	2000	2030	101.5
Calcium	40000	38600	96.5	40000	37900	94.8
Chromium	2000	1980	99.0	2000	1990	99.5
Cobalt						
Copper	anr					
Iron	40000	39800	99.5	40000	37200	93.0
Lead	anr					
Magnesium	40000	38300	95.8	40000	36700	91.8
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	42100	105.3	40000	43100	107.8
Selenium	2000	2060	103.0	2000	2080	104.0
Silver	anr					
Sodium	40000	40600	101.5	40000	40200	100.5
Strontium						
Thallium	anr					
Tin						
Titanium	anr					
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10694 Units: ug/l

Time:		08:25	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79500	99.4
Antimony	4000	3950	98.8
Arsenic	4000	3960	99.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3940	98.5
Calcium	80000	79200	99.0
Chromium	4000	3910	97.8
Cobalt			
Copper	anr		
Iron	80000	79500	99.4
Lead	anr		
Magnesium	80000	79100	98.9
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	79900	99.9
Selenium	4000	3920	98.0
Silver	anr		
Sodium	80000	79500	99.4
Strontium			
Thallium	anr		
Tin			
Titanium	anr		
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10694 Units: ug/l

Time:			08:47		16:50	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	209	104.5	187	93.5
Antimony	10	5.0	3.7	74.0	1.4	28.0*(a)
Arsenic	20	10	9.4	94.0	9.2	92.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.0	100.0	4.8	96.0
Calcium	2000	1000	1040	104.0	995	99.5
Chromium	20	10	10.3	103.0	9.7	97.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	298	99.3	274	91.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5070	101.4	4580	91.6
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9510	95.1	11600	116.0
Selenium	20	10	9.7	97.0	9.6	96.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	11900	119.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042313M1.ICP Date Analyzed: 04/23/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10694 Units: ug/l

Time:			09:00		09:09		16:54		16:58	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	486000	97.2	491000	98.2	464000	92.8	459000	91.8
Antimony		1000	0.20		966	96.6	-1.7		1010	101.0
Arsenic		1000	0.0		1010	101.0	-0.20		1040	104.0
Barium		500	-0.20		499	99.8	0.10		515	103.0
Beryllium		500	-0.30		469	93.8	-0.20		429	85.8
Cadmium		1000	0.0		904	90.4	0.40		901	90.1
Calcium	500000	500000	479000	95.8	481000	96.2	439000	87.8	441000	88.2
Chromium		500	-0.90		463	92.6	-0.80		449	89.8
Cobalt		500	0.0		444	88.8	-0.10		445	89.0
Copper		500	0.10		483	96.6	-1.1		491	98.2
Iron	200000	200000	183000	91.5	186000	93.0	167000	83.5	169000	84.5
Lead		1000	0.70		918	91.8	3.0		890	89.0
Magnesium	500000	500000	464000	92.8	469000	93.8	414000	82.8	421000	84.2
Manganese		500	-0.60		477	95.4	-0.80		474	94.8
Molybdenum		1000	-0.10		882	88.2	-0.40		922	92.2
Nickel		1000	-0.50		873	87.3	-0.80		900	90.0
Potassium			39.3		11.7		1700		1190	
Selenium		1000	0.0		939	93.9	-3.0		979	97.9
Silver		1000	0.0		915	91.5	-0.30		916	91.6
Sodium			144		156		2380		1620	
Strontium		1000	11.6		999	99.9	12.2		1030	103.0
Thallium		1000	1.9		908	90.8	1.2		922	92.2
Tin		1000	-1.5		882	88.2	-1.4		889	88.9
Titanium		1000	-2.0		981	98.1	-2.2		998	99.8
Vanadium		500	-0.20		458	91.6	0.10		454	90.8
Zinc		1000	0.90		917	91.7	1.3		899	89.9

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24996
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					04/22/13		04/22/13		04/22/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	200	15	15	12.9	<200	3.1	<200	10.1	<200
Antimony	6.0	1.3	1.3	-2.6	<6.0	-0.50	<6.0	0.10	<6.0
Arsenic	10	1.6	2.5	-2.2	<10	-2.3	<10	-2.3	<10
Barium	200	1	1						
Beryllium	4.0	.5	.5						
Cadmium	5.0	.5	.5	-0.20	<5.0	-0.20	<5.0	-0.10	<5.0
Calcium	1000	50	50	215	<1000	-5.9	<1000	-0.40	<1000
Chromium	10	1.8	2	-0.10	<10	0.30	<10	-0.40	<10
Cobalt	50	.5	.5						
Copper	25	1	1						
Iron	300	29	29	7.1	<300	-8.0	<300	-2.3	<300
Lead	5.0	1.1	1.1						
Magnesium	5000	74	74	-6.5	<5000	-3.4	<5000	0.60	<5000
Manganese	15	.7	.7						
Molybdenum	50	.6	1						
Nickel	40	.5	.5						
Potassium	10000	200	200	13.8	<10000	-0.30	<10000	-7.4	<10000
Selenium	10	2	2	-1.8	<10	-0.50	<10	-3.4	<10
Silver	10	.5	.5						
Sodium	10000	500	500	21.2	<10000	17.3	<10000	11.4	<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 MP24996: FA3606-1

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: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24996
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			04/22/13					04/22/13	
Metal	FA3643-1 Original	DUP	RPD	QC Limits	FA3643-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	21100	22200	5.1	0-20	21100	47900	27000	99.3	80-120
Antimony	0.0	0.0	NC	0-20	0.0	376	500	75.2N(a)	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	1890	2000	94.5	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	49.3	50	98.6	80-120
Calcium	13200	14000	5.9	0-20	13200	38500	25000	101.2	80-120
Chromium	28.5	29.7	4.1	0-20	28.5	230	200	100.8	80-120
Cobalt									
Copper	anr								
Iron	30400	32000	5.1	0-20	30400	56100	26000	98.8	80-120
Lead	anr								
Magnesium	25900	27200	4.9	0-20	25900	50600	25000	98.8	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	2290	2460	7.2	0-20	2290	27000	25000	98.8	80-120
Selenium	0.0	0.0	NC	0-20	0.0	1840	2000	92.0	80-120
Silver	anr								
Sodium	8970	9580	6.6	0-20	8970	33800	25000	99.3	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP24996: FA3606-1

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24996
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/22/13

Metal	FA3643-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	21100	47200	27000	96.7	1.5	20
Antimony	0.0	366	500	73.2N(a)	2.7	20
Arsenic	0.0	1860	2000	93.0	1.6	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	48.6	50	97.2	1.4	20
Calcium	13200	37600	25000	97.6	2.4	20
Chromium	28.5	229	200	100.3	0.4	20
Cobalt						
Copper	anr					
Iron	30400	55600	26000	96.9	0.9	20
Lead	anr					
Magnesium	25900	50000	25000	96.4	1.2	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	2290	26400	25000	96.4	2.2	20
Selenium	0.0	1810	2000	90.5	1.6	20
Silver	anr					
Sodium	8970	33100	25000	96.5	2.1	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP24996: FA3606-1

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24996
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/22/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	25900	27000	95.9	80-120
Antimony	500	500	100.0	80-120
Arsenic	2000	2000	100.0	80-120
Barium	anr			
Beryllium	anr			
Cadmium	50.4	50	100.8	80-120
Calcium	24800	25000	99.2	80-120
Chromium	203	200	101.5	80-120
Cobalt				
Copper	anr			
Iron	26200	26000	100.8	80-120
Lead	anr			
Magnesium	24100	25000	96.4	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	24500	25000	98.0	80-120
Selenium	1970	2000	98.5	80-120
Silver	anr			
Sodium	24200	25000	96.8	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24996: FA3606-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24996
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/22/13

Metal	FA3643-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	21100	22100	5.0	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	13200	15800	19.8*(a)	0-10
Chromium	28.5	31.6	10.9 (b)	0-10
Cobalt				
Copper	anr			
Iron	30400	32500	6.9	0-10
Lead	anr			
Magnesium	25900	27700	6.8	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	2290	2500	8.8	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	8970	10900	21.2 (b)	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24996: FA3606-1

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: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24996
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/22/13

Metal	Sample ml	Final ml	FA3643-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	21060	20638.8	22840	0.2	125	2500	88.0	80-120
Antimony	9.8	10	0	0	98.6	0.2	5	100	98.6	80-120
Arsenic	9.8	10	0	0	99.7	0.2	5	100	99.7	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	13190	12926.2	18560	0.2	250	5000	112.7	80-120
Chromium	9.8	10	28.5	27.93	79	0.2	2.5	50	102.1	80-120
Cobalt										
Copper										
Iron	9.8	10	30420	29811.6	32950	0.2	150	3000	104.6	80-120
Lead										
Magnesium	9.8	10	25930	25411.4	30210	0.2	250	5000	96.0	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	2294	2248.12	12030	0.2	500	10000	97.8	80-120
Selenium	9.8	10	0	0	100.4	0.2	5	100	100.4	80-120
Silver										
Sodium	9.8	10	8974	8794.52	18550	0.2	500	10000	97.6	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24996: FA3606-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3606
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	GN55340	5.0	2.4	mg/l	250	250	100.0	90-113%
Bromide	GP21454/GN55253	0.50	0.0	mg/l	12.5	13.3	106.4	90-110%
Chloride	GP21454/GN55253	2.0	0.0	mg/l	50	52.1	104.2	90-110%
Fluoride	GP21541/GN55436	0.20	0.0	mg/l	2.5	2.61	104.4	90-110%
Nitrogen, Nitrate	GP21454/GN55253	0.10	0.0	mg/l	2.5	2.67	106.8	90-110%
Nitrogen, Nitrite	GP21454/GN55253	0.10	0.0	mg/l	2.5	2.62	104.8	90-110%
Phosphate, Ortho	GP21436/GN55203	0.10	0.0	mg/l	0.300	0.30	98.6	83-116%
Phosphorus, Total	GP21459/GN55264	0.10	0.0	mg/l	.300	0.28	94.2	81-118%
Solids, Total Dissolved	GN55332	100	0.0	mg/l				
Sulfate	GP21454/GN55253	2.0	0.0	mg/l	50	51.9	103.8	90-110%

Associated Samples:
Batch GN55332: FA3606-1
Batch GN55340: FA3606-1
Batch GP21436: FA3606-1F
Batch GP21454: FA3606-1
Batch GP21459: FA3606-1
Batch GP21541: FA3606-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3606
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	GN55340	FA3655-3	mg/l	51.7	46.5	10.6	0-20%
Phosphate, Ortho	GP21436/GN55203	FA3598-2	mg/l	0.28	0.29	4.6	0-26%
Phosphorus, Total	GP21459/GN55264	FA3531-2	mg/l	5.7	5.8	2.0	0-22%
Solids, Total Dissolved	GN55332	FA3598-5	mg/l	410	412	0.5	0-5%
Specific Conductivity	GN55210	FA3606-1	umhos/cm	14800	14600	1.5	0-10%
pH	GN55209	FA3595-1	su	7.38	7.34	0.5	0-10%

Associated Samples:
Batch GN55209: FA3606-1
Batch GN55210: FA3606-1
Batch GN55332: FA3606-1
Batch GN55340: FA3606-1
Batch GP21436: FA3606-1F
Batch GP21459: FA3606-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3606
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	GN55340	FA3655-3	mg/l	51.7	250	294	96.9	90-113%
Bromide	GP21454/GN55308	FA3568-3	mg/l	0.24 U	12.5	11.6	92.8	90-110%
Chloride	GP21454/GN55308	FA3568-3	mg/l	1.6 U	50	51.4	102.8	90-110%
Fluoride	GP21541/GN55436	FA3598-3	mg/l	0.35	2.5	4.0	146.0N(a)	90-110%
Nitrogen, Nitrate	GP21454/GN55308	FA3568-3	mg/l	7.0	2.5	9.2	88.0N(a)	90-110%
Nitrogen, Nitrite	GP21454/GN55308	FA3568-3	mg/l	0.42	2.5	2.7	91.2	90-110%
Phosphate, Ortho	GP21436/GN55203	FA3598-2	mg/l	0.28	0.300	0.46	60.6*(a)	83-116%
Phosphorus, Total	GP21459/GN55264	FA3531-2	mg/l	5.7	.300	6.1	131.0(b)	81-118%
Sulfate	GP21454/GN55308	FA3568-3	mg/l	7.3	50	57.0	99.4	90-110%

Associated Samples:
Batch GN55340: FA3606-1
Batch GP21436: FA3606-1F
Batch GP21454: FA3606-1
Batch GP21459: FA3606-1
Batch GP21541: FA3606-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3606
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	GP21454/GN55308	FA3568-3	mg/l	0.24 U	12.5	11.6	0.0	20%
Chloride	GP21454/GN55308	FA3568-3	mg/l	1.6 U	50	51.5	0.2	20%
Fluoride	GP21541/GN55436	FA3598-3	mg/l	0.35	2.5	4.1	2.5	20%
Nitrogen, Nitrate	GP21454/GN55308	FA3568-3	mg/l	7.0	2.5	9.1	1.1	20%
Nitrogen, Nitrite	GP21454/GN55308	FA3568-3	mg/l	0.42	2.5	2.8	3.6	20%
Phosphorus, Total	GP21459/GN55264	FA3531-2	mg/l	5.7	.300	5.94	1.9	22%
Sulfate	GP21454/GN55308	FA3568-3	mg/l	7.3	50	56.8	0.4	20%

Associated Samples:
Batch GP21454: FA3606-1
Batch GP21459: FA3606-1
Batch GP21541: FA3606-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120401.TXT Date Analyzed: 04/12/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55253
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:27	GN55253-CCV1	1		
11:52	GP21454-MB1	1		
12:08	GP21454-B1	1		
13:27	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:59	ZZZZZZ	50		
14:15	ZZZZZZ	10		
14:31	GN55253-CCV2	1		
14:47	GN55253-CCB1	1		
15:03	ZZZZZZ	25		
15:18	ZZZZZZ	25		
15:34	ZZZZZZ	25		
15:50	ZZZZZZ	50		
17:26	FA3606-1	100		
17:58	GN55253-CCV3	1		
18:14	GN55253-CCB2	1		
18:29	ZZZZZZ	1		
18:45	ZZZZZZ	5		
19:01	ZZZZZZ	1		
19:17	ZZZZZZ	1		
20:37	ZZZZZZ	100		
20:52	ZZZZZZ	100		
21:08	GN55253-CCV4	1		
21:24	GN55253-CCB3	1		
21:40	ZZZZZZ	100		
21:56	ZZZZZZ	25		
22:12	ZZZZZZ	50		
22:28	GP21438-S1	1		
22:44	GP21438-S2	1		
23:00	GP21438-S3	1		
23:15	GP21438-S4	1		
23:31	GN55253-CCV5	1		
23:47	GP21455-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120401.TXT Date Analyzed: 04/12/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55253
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:03	GP21455-B1	1		
00:51	ZZZZZZ	1		
01:23	ZZZZZZ	1		
01:39	ZZZZZZ	1		
01:54	ZZZZZZ	50		
02:10	ZZZZZZ	200		
02:26	GN55253-CCV6	1		
02:42	GN55253-CCB4	1		
02:58	ZZZZZZ	100		
03:14	ZZZZZZ	50		
03:30	FA3620-1	1		(sample used for QC only; not part of login FA3606)
03:46	FA3608-2	1		(sample used for QC only; not part of login FA3606)
04:02	ZZZZZZ	1		
04:17	ZZZZZZ	1		
04:33	GP21455-S1	1		
04:49	GP21455-S2	1		
05:05	GP21455-S3	1		
05:21	GP21455-S4	1		
05:37	GN55253-CCV7	1		
05:53	GN55253-CCB5	1		
06:09	ZZZZZZ	5		
06:25	GN55253-CCV8	1		
06:40	GN55253-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313120401.TXT Date Analyzed: 04/12/13 Methods: EPA 300/SW846 9056A
Run ID: GN55253 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55253-CCV1	Chloride	51.7	2.0	0.80	50	103.4	90-110
GN55253-CCV1	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55253-CCV1	Sulfate	52.1	2.0	0.60	50	104.2	90-110
GN55253-CCV2	Chloride	52.3	2.0	0.80	50	104.6	90-110
GN55253-CCV2	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55253-CCV2	Sulfate	51.7	2.0	0.60	50	103.4	90-110
GN55253-CCB1	Chloride	0.80 U	2.0	0.80			
GN55253-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55253-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55253-CCV3	Chloride	51.9	2.0	0.80	50	103.8	90-110
GN55253-CCV3	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55253-CCV3	Sulfate	53.0	2.0	0.60	50	106.0	90-110
GN55253-CCB2	Chloride	0.80 U	2.0	0.80			
GN55253-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55253-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55253-CCV4	Chloride	52.6	2.0	0.80	50	105.2	90-110
GN55253-CCV4	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55253-CCV4	Sulfate	52.1	2.0	0.60	50	104.2	90-110
GN55253-CCB3	Chloride	0.80 U	2.0	0.80			
GN55253-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55253-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55253-CCV5	Chloride	52.6	2.0	0.80	50	105.2	90-110
GN55253-CCV5	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN55253-CCV6	Chloride	52.8	2.0	0.80	50	105.6	90-110
GN55253-CCV6	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55253-CCV6	Sulfate	52.5	2.0	0.60	50	105.0	90-110
GN55253-CCB4	Chloride	0.80 U	2.0	0.80			
GN55253-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55253-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55253-CCV7	Chloride	52.0	2.0	0.80	50	104.0	90-110
GN55253-CCV7	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55253-CCV7	Sulfate	52.6	2.0	0.60	50	105.2	90-110
GN55253-CCB5	Chloride	0.80 U	2.0	0.80			
GN55253-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55253-CCB5	Sulfate	0.60 U	2.0	0.60			
GN55253-CCV8	Chloride	51.9	2.0	0.80	50	103.8	90-110
GN55253-CCV8	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55253-CCV8	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN55253-CCB6	Chloride	0.80 U	2.0	0.80			
GN55253-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55253-CCB6	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150401.TXT Date Analyzed: 04/15/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55273
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:09	GN55273-CCV1	1		
10:24	GP21468-MB1	1		
10:40	GP21468-B1	1		
12:12	ZZZZZZ	50		
12:27	ZZZZZZ	5		
12:43	ZZZZZZ	25		
12:59	FA3568-3	2		(sample used for QC only; not part of login FA3606)
13:15	ZZZZZZ	25		
13:31	GN55273-CCV2	1		
13:47	GN55273-CCB1	1		
14:03	FA3568-5	2		(sample used for QC only; not part of login FA3606)
14:19	ZZZZZZ	25		
14:35	ZZZZZZ	10		
14:51	ZZZZZZ	10		
15:06	ZZZZZZ	100		
15:22	ZZZZZZ	5		
15:38	ZZZZZZ	2		
15:54	ZZZZZZ	50		
16:10	ZZZZZZ	50		
16:26	ZZZZZZ	50		
16:42	GN55273-CCV3	1		
16:58	GN55273-CCB2	1		
17:14	ZZZZZZ	50		
17:29	FA3606-1	200		
18:01	ZZZZZZ	5		
18:17	ZZZZZZ	50		
18:33	ZZZZZZ	2		
18:49	FA3629-16	5		(sample used for QC only; not part of login FA3606)
19:05	GP21461-S3	5		
19:21	GP21461-S4	5		
19:53	GN55273-CCV4	1		
20:08	GN55273-CCB3	1		
20:40	GP21454-S3	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150401.TXT Date Analyzed: 04/15/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55273
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:56	GP21454-S4	2		
21:12	ZZZZZZ	1		
21:28	ZZZZZZ	1		
21:44	FA3305-8	1		(sample used for QC only; not part of login FA3606)
22:00	ZZZZZZ	1		
22:16	ZZZZZZ	1		
22:31	FA3305-11	1		(sample used for QC only; not part of login FA3606)
22:47	ZZZZZZ	1		
23:03	GN55273-CCV5	1		
23:19	GN55273-CCB4	1		
23:35	ZZZZZZ	1		
00:07	ZZZZZZ	1		
00:23	ZZZZZZ	25		
00:39	ZZZZZZ	1		
00:55	ZZZZZZ	1		
01:10	ZZZZZZ	5		
01:26	ZZZZZZ	5		
01:42	ZZZZZZ	1		
01:58	ZZZZZZ	5		
02:14	GN55273-CCV6	1		
02:30	GN55273-CCB5	1		
02:46	ZZZZZZ	1		
03:02	GP21468-S1	1		
03:18	GP21468-S2	1		
03:33	GP21468-S3	1		
03:49	GP21468-S4	1		
04:05	GN55273-CCV7	1		
04:21	GN55273-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150401.TXT Date Analyzed: 04/15/13 Methods: EPA 300/SW846 9056A
Run ID: GN55273 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55273-CCV1	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN55273-CCV2	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN55273-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55273-CCV3	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN55273-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55273-CCV4	Sulfate	51.8	2.0	0.60	50	103.6	90-110
GN55273-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55273-CCV5	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN55273-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55273-CCV6	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN55273-CCB5	Sulfate	0.60 U	2.0	0.60			
GN55273-CCV7	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN55273-CCB6	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313160401.TXT Date Analyzed: 04/16/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55308
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:30	GN55308-CCV1	1		
09:46	GP21487-MB1	1		
10:02	GP21487-B1	1		
11:13	ZZZZZZ	1		
11:29	FA3668-2	1		(sample used for QC only; not part of login FA3606)
11:44	ZZZZZZ	1		
12:00	FA3678-1	1		(sample used for QC only; not part of login FA3606)
12:16	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:48	GN55308-CCV2	1		
13:04	GN55308-CCB1	1		
13:20	ZZZZZZ	5		
13:36	ZZZZZZ	5		
13:52	ZZZZZZ	25		
14:07	ZZZZZZ	5		
14:23	ZZZZZZ	10		
14:39	ZZZZZZ	25		
14:55	ZZZZZZ	25		
15:11	ZZZZZZ	1		
15:40	ZZZZZZ	5		
16:12	GN55308-CCV3	1		
16:28	GN55308-CCB2	1		
16:44	ZZZZZZ	1		
17:00	ZZZZZZ	5		
17:16	GP21487-S1	1		
17:32	GP21487-S2	1		
17:47	GP21487-S3	1		
18:03	GP21487-S4	1		
18:19	ZZZZZZ	25		
19:07	GN55308-CCV4	1		
19:23	GN55308-CCB3	1		
19:39	GP21454-S1	2		
19:54	GP21454-S2	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313160401.TXT Date Analyzed: 04/16/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55308
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:10	ZZZZZZ	25		
20:26	ZZZZZZ	1		
20:42	ZZZZZZ	50		
20:58	GP21438-S1	1		
21:14	GP21438-S2	1		
21:30	GP21438-S3	1		
21:46	GP21438-S4	1		
22:02	GN55308-CCV5	1		
22:17	GN55308-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313160401.TXT Date Analyzed: 04/16/13 Methods: EPA 300/SW846 9056A
Run ID: GN55308 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55308-CCV1	Chloride	51.0	2.0	0.80	50	102.0	90-110
GN55308-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN55308-CCV1	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN55308-CCV2	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN55308-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55308-CCV2	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN55308-CCB1	Chloride	0.80 U	2.0	0.80			
GN55308-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55308-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55308-CCV3	Chloride	51.0	2.0	0.80	50	102.0	90-110
GN55308-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55308-CCV3	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN55308-CCB2	Chloride	0.80 U	2.0	0.80			
GN55308-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55308-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55308-CCV4	Chloride	51.5	2.0	0.80	50	103.0	90-110
GN55308-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55308-CCV4	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN55308-CCB3	Chloride	0.80 U	2.0	0.80			
GN55308-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55308-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55308-CCV5	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN55308-CCV5	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55308-CCV5	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN55308-CCB4	Chloride	0.80 U	2.0	0.80			
GN55308-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55308-CCB4	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213250401.TXT Date Analyzed: 04/25/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55436
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:25	GN55436-CCV1	1		
14:41	GP21541-MB1	1		
14:57	GP21541-B1	1		
15:44	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:48	ZZZZZZ	1		
17:04	ZZZZZZ	5		
17:20	GN55436-CCV2	1		
17:36	GN55436-CCB1	1		
17:51	ZZZZZZ	5		
18:07	FA3598-3	1		(sample used for QC only; not part of login FA3606)
18:23	FA3598-4	1		(sample used for QC only; not part of login FA3606)
18:39	ZZZZZZ	1		
19:11	FA3606-1	2000		
20:30	GN55436-CCV3	1		
20:46	GN55436-CCB2	1		
21:02	GP21541-S1	1		
21:18	GP21541-S2	1		
21:34	GP21541-S3	1		
21:50	GP21541-S4	1		
22:06	GP21478-S1	5		
22:21	GP21478-S2	5		
22:37	GN55436-CCV4	1		
22:53	GN55436-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213250401.TXT Date Analyzed: 04/25/13 Methods: EPA 300/SW846 9056A
Run ID: GN55436 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55436-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN55436-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55436-CCB1	Fluoride	0.060 U	0.20	0.060			
GN55436-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55436-CCB2	Fluoride	0.060 U	0.20	0.060			
GN55436-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55436-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

05/03/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA3829

Sampling Date: 04/18/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

Total number of pages in report: **99**

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

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA3829

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
FA3829-1	04/18/13	13:55	JP	04/19/13	AQ	Ground Water	A-34-022
FA3829-1F	04/18/13	13:55	JP	04/19/13	AQ	Groundwater Filtered	A-34-022
FA3829-2	04/18/13	14:15	JP	04/19/13	AQ	Ground Water	DUP04182013
FA3829-2F	04/18/13	14:15	JP	04/19/13	AQ	Groundwater Filtered	DUP04182013

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA3829

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 5/3/2013 4:07:32 PM

2 Sample(s) were collected on 04/18/2013 and were received at Accutest SE on 04/19/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA3829. 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:** MP25046

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) FA4034-1DUP, FA4034-1MS, FA4034-1MSD, FA4034-1PS, FA4034-1SDL were used as the QC samples for metals.

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 Arsenic are outside control limits for sample MP25046-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Aluminum, Arsenic, Cadmium, Iron are outside control limits for sample MP25046-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP25046-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP25046-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA3829-2 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA3829-2 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA3829-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA3829-2 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA3829-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA3829-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA3829-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA3829-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA3829-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA3829-2 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA3829-2 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA3829-2 for Arsenic: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55338

All method blanks for this batch meet method specific criteria.

Sample(s) FA3829-1DUP were used as the QC samples for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA3829-1.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21504

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) FA3805-2MS, FA3805-2MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA3829-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA3829-1 for Chloride: Dilution required due to matrix interference.

FA3829-2 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA3829-2 for Chloride: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21541

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) FA3598-3MS, FA3598-3MSD were used as the QC samples for Fluoride.

Matrix Spike Recovery(s) for Fluoride are outside control limits. Spike recovery indicates possible matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21500

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) FA3829-1FDUP, FA3829-1FMS, FA3829-1FMSD were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21513

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3772-1DUP, FA3772-1MS, FA3772-1MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN55339

Sample(s) FA3829-1DUP were used as the QC samples for pH.

FA3829-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA3829-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55346

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3829-2DUP, FA3829-2MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix Spike Recovery(s) for Alkalinity, Total as CaCO3 are outside control limits. Spike recovery indicates possible matrix interference.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55406

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3805-3DUP were used as the QC samples for Solids, Total Dissolved.

Matrix: AQ **Batch ID:** GN55418

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3892-5DUP were used as the QC samples for Solids, Total Dissolved.

FA3829-2 for Solids, Total Dissolved: Confirmed by reanalysis in GN55482.

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: May 3, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA3829
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/18/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3829-1	**A-34-022**					
Aluminum		1260	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.234	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		2.98	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		559	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.11	0.050	0.010	mg/l	SW846 6010C
Iron		1350	1.5	0.15	mg/l	SW846 6010C
Magnesium		920	25	0.37	mg/l	SW846 6010C
Potassium		397	50	1.0	mg/l	SW846 6010C
Sodium		804	200	10	mg/l	SW846 6010C
Chloride [b]		110 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		5540	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		4000	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved		21000	1000	100	mg/l	SM19 2540C
Specific Conductivity		14200	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		13600	400	120	mg/l	EPA 300/SW846 9056A
pH [c]		2.27			su	SM 4500H B/SW 9040C
FA3829-1F	**A-34-022**					
Phosphate, Ortho		3430	1000	190	mg/l	EPA 365.3
FA3829-2	**DUP04182013**					
Aluminum		1390	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.252	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		3.25	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		611	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.05	0.050	0.010	mg/l	SW846 6010C
Iron		1460	1.5	0.15	mg/l	SW846 6010C
Magnesium		1030	25	0.37	mg/l	SW846 6010C
Potassium		470	200	4.0	mg/l	SW846 6010C
Sodium		875	200	10	mg/l	SW846 6010C
Chloride [b]		105 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		6470	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		3730	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved [d]		20500	100	10	mg/l	SM19 2540C
Specific Conductivity		14100	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		12900	400	120	mg/l	EPA 300/SW846 9056A
pH [c]		2.26			su	SM 4500H B/SW 9040C
FA3829-2F	**DUP04182013**					
Phosphate, Ortho		3580	1000	190	mg/l	EPA 365.3

Summary of Hits

Job Number: FA3829
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/18/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

(a) Elevated reporting limit(s) due to matrix interference.
(b) Dilution required due to matrix interference.
(c) Field analysis required. Received out of hold time and analyzed by request.
(d) Confirmed by reanalysis in GN55482.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA3829-1	**Date Sampled:**	04/18/13
Matrix:	AQ - Ground Water	**Date Received:**	04/19/13
		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	1.0	0.075	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	0.234	0.050	0.013	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	2.98	0.025	0.0025	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	559	5.0	0.25	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	2.11	0.050	0.010	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	1350	1.5	0.15	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	920	25	0.37	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	397	50	1.0	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	804	200	10	mg/l	20	04/29/13	05/01/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10710
(2) Instrument QC Batch: MA10713
(3) Prep QC Batch: MP25046

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA3829-1	**Date Sampled:**	04/18/13
Matrix:	AQ - Ground Water	**Date Received:**	04/19/13
		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	04/20/13 13:30	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/20/13 13:30	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	04/20/13 13:30	AC	SM19 2320B
Chloride [a]	110 J	200	80	mg/l	100	04/19/13 14:21	AA	EPA 300/SW846 9056A
Fluoride	5540	400	120	mg/l	2000	04/26/13 16:16	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	04/19/13 14:21	AA	EPA 300/SW846 9056A
Phosphorus, Total	4000	1000	280	mg/l	10000	04/22/13 09:20	LE	EPA 365.3
Solids, Total Dissolved	21000	1000	100	mg/l	10	04/24/13	KC	SM19 2540C
Specific Conductivity	14200	1.0	1.0	umhos/cm	1	04/19/13 14:00	HH	EPA 120.1
Sulfate	13600	400	120	mg/l	200	04/19/13 16:33	AA	EPA 300/SW846 9056A
pH [b]	2.27			su	1	04/19/13 13:55	HH	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-34-022		
Lab Sample ID:	FA3829-1F	**Date Sampled:**	04/18/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/19/13
		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	3430	1000	190	mg/l	10000	04/19/13 12:59	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:	DUP04182013		
Lab Sample ID:	FA3829-2	**Date Sampled:**	04/18/13
Matrix:	AQ - Ground Water	**Date Received:**	04/19/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1390	1.0	0.075	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	0.252	0.050	0.013	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	3.25	0.025	0.0025	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	611	5.0	0.25	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	2.05	0.050	0.010	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	1460	1.5	0.15	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	1030	25	0.37	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	470	200	4.0	mg/l	20	04/29/13	05/01/13	LM	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	04/29/13	04/30/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	875	200	10	mg/l	20	04/29/13	05/01/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10710
(2) Instrument QC Batch: MA10713
(3) Prep QC Batch: MP25046

(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:	DUP04182013		
Lab Sample ID:	FA3829-2	**Date Sampled:**	04/18/13
Matrix:	AQ - Ground Water	**Date Received:**	04/19/13
		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	04/20/13 13:30	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	04/20/13 13:30	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	04/20/13 13:30	AC	SM19 2320B
Chloride [a]	105 J	200	80	mg/l	100	04/19/13 14:37	AA	EPA 300/SW846 9056A
Fluoride	6470	400	120	mg/l	2000	04/26/13 16:32	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	04/19/13 14:37	AA	EPA 300/SW846 9056A
Phosphorus, Total	3730	1000	280	mg/l	10000	04/22/13 09:20	LE	EPA 365.3
Solids, Total Dissolved [b]	20500	100	10	mg/l	1	04/25/13	KC	SM19 2540C
Specific Conductivity	14100	1.0	1.0	umhos/cm	1	04/19/13 14:00	HH	EPA 120.1
Sulfate	12900	400	120	mg/l	200	04/19/13 16:49	AA	EPA 300/SW846 9056A
pH [c]	2.26			su	1	04/19/13 13:55	HH	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Confirmed by reanalysis in GN55482.
(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:	DUP04182013		
Lab Sample ID:	FA3829-2F	**Date Sampled:**	04/18/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/19/13
		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	3580	1000	190	mg/l	10000	04/19/13 12:59	MG	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA3829 PAGE 1 OF 1

Accutest Quote #: | SKIFF#:

Client / Reporting Information

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

Project Information

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

Analytical Information: SEE ATTACHED

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

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	SEE ATTACHED	LAB USE ONLY
1	A-34-022	04/18/13	1355		GW	4		X			X	X				X	
2	DUP 04182013	04/18/13	1415		GW	4		X			X	X				X	

TURNAROUND TIME (Business Days)

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

Approved By: / Rush Code

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	04/18/13 1450	2 FX	3 FX	4-19-13	4 J. Cooper (ADE) 10:30
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 2.8

FA3829: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA3829 CLIENT: WSP PROJECT: AGAIUM

DATE/TIME RECEIVED: 4-19-13 10:30 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3228 5453

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 4-19-13 REVIEWER SIGNATURE/DATE 04/19/13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA3829: Chain of Custody

Page 2 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

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

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

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

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10706
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:21	MA10706-STD1	1		STDA
08:26	MA10706-STD2	1		STDB
08:30	MA10706-STD3	1		STDC
08:34	MA10706-STD4	1		STDD
08:40	MA10706-HSTD1	1		
08:49	MA10706-ICV1	1		
08:56	MA10706-ICB1	1		
09:01	MA10706-CRIA1	1		
09:15	MA10706-ICSA1	1		
09:25	MA10706-ICSAB1	1		
09:35	MA10706-CCV1	1		
09:41	MA10706-CCB1	1		
09:46	MP25036-MB1	1		
09:50	MP25036-B1	1		
09:54	FA3759-1	1		(sample used for QC only; not part of login FA3829)
09:58	MP25036-D1	1		
10:02	MP25036-SD1	5		
10:06	MP25036-PS1	1		
10:10	MP25036-S1	1		
10:14	MP25036-S2	1		
10:18	ZZZZZZ	1		
10:22	ZZZZZZ	1		
10:26	MA10706-CCV2	1		
10:30	MA10706-CCB2	1		
10:35	ZZZZZZ	1		
10:39	ZZZZZZ	1		
10:43	ZZZZZZ	5		
10:47	ZZZZZZ	5		
10:51	ZZZZZZ	1		
10:55	ZZZZZZ	1		
10:59	ZZZZZZ	5		
11:04	ZZZZZZ	5		
11:08	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10706
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:12	ZZZZZZ	5		
11:17	MA10706-CCV3	1		
11:21	MA10706-CCB3	1		
11:25	ZZZZZZ	5		
11:29	ZZZZZZ	5		
11:33	ZZZZZZ	5		
11:37	ZZZZZZ	5		
11:42	ZZZZZZ	5		
11:46	ZZZZZZ	5		
11:50	ZZZZZZ	2		
11:54	ZZZZZZ	4		
11:58	ZZZZZZ	5		
12:02	ZZZZZZ	2		
12:07	MA10706-CCV4	1		
12:11	MA10706-CCB4	1		
12:15	ZZZZZZ	2		
12:19	ZZZZZZ	2		
12:24	MP25037-MB1	1		
12:28	MP25037-B1	1		
12:32	FA4106-1	1		(sample used for QC only; not part of login FA3829)
12:36	MP25037-D1	1		
12:40	MP25037-SD1	5		
12:45	MP25037-PS1	1		
12:49	MP25037-S1	1		
12:53	MP25037-S2	1		
12:57	MA10706-CCV5	1		
13:01	MA10706-CCB5	1		
13:05	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:26	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10706
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:30	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:47	MA10706-CCV6	1		
13:51	MA10706-CCB6	1		
13:55	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:25	MP25044-MB1	1		
14:29	MP25044-B1	1		
14:33	FA3736-1	1		(sample used for QC only; not part of login FA3829)
14:44	MA10706-CCV7	1		
14:52	MA10706-CCB7	1		
14:56	MP25044-D1	1		
15:01	MP25044-SD1	5		
15:05	MP25044-S1	1		
15:09	MP25044-S2	1		
15:13	ZZZZZZ	1		
15:17	MP25044-MB2	1		
15:22	MP25044-B2	1		
15:26	MP25044-MB3	1		
15:30	MP25044-B3	1		
15:34	MP25046-MB1	1		
15:38	MA10706-CCV8	1		
15:42	MA10706-CCB8	1		
15:47	MP25046-B1	1		
15:51	FA4034-1	1		(sample used for QC only; not part of login FA3829)
15:55	MP25046-D1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10706
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	15:59	MP25046-SD1	5		
	16:04	MP25046-PS1	1		
	16:08	MP25046-S1	1		
	16:12	MP25046-S2	1		
---------->	Last reportable sample/prep for job FA3829				
	16:17	ZZZZZZ	1		
	16:21	ZZZZZZ	1		
	16:25	ZZZZZZ	1		
	16:29	MA10706-CCV9	1		
	16:34	MA10706-CCB9	1		
---------->	Last reportable CCB for job FA3829				
	16:38	ZZZZZZ	1		
	16:42	ZZZZZZ	1		
	16:55	ZZZZZZ	1		
	17:13	ZZZZZZ	1		
	17:18	ZZZZZZ	1		
	17:23	MA10706-CCV10	1		
	17:27	MA10706-CCB10	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10706
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:21	MA10706-STD1	6110	43879	7229	2665
08:26	MA10706-STD2	6014	43340	7301	2471
08:30	MA10706-STD3	5744	41747	7275	2217
08:34	MA10706-STD4	5563	40608	7076	2013
08:40	MA10706-HSTD1	5562	39549	6984	1999
08:49	MA10706-ICV1	5759	41599	7249	2219
08:56	MA10706-ICB1	6067 R	43434 R	7126 R	2614 R
09:01	MA10706-CRIA1	5983	42614	7100	2505
09:15	MA10706-ICSA1	5304	37359	6878	1990
09:25	MA10706-ICSAB1	5298	37534	6865	1947
09:35	MA10706-CCV1	5755	41273	6976	2186
09:41	MA10706-CCB1	6079	43637	7095	2627
09:46	MP25036-MB1	6016	43571	7219	2598
09:50	MP25036-B1	5880	42156	7090	2346
09:54	FA3759-1	6221	44546	7216	2596
09:58	MP25036-D1	6211	44327	7253	2581
10:02	MP25036-SD1	6222	44487	7300	2640
10:06	MP25036-PS1	6083	43383	7252	2480
10:10	MP25036-S1	5968	42431	7057	2330
10:14	MP25036-S2	6019	42710	7157	2339
10:18	ZZZZZZ	6334	45241	7441	2604
10:22	ZZZZZZ	6212	44437	7269	2585
10:26	MA10706-CCV2	5844	41817	6959	2205
10:30	MA10706-CCB2	6129	43800	7236	2640
10:35	ZZZZZZ	6121	43533	7251	2510
10:39	ZZZZZZ	6180	43763	7174	2492
10:43	ZZZZZZ	6394	44651	7379	2448
10:47	ZZZZZZ	6670	46537	7765	2373
10:51	ZZZZZZ	7135	49672	8434	2379
10:55	ZZZZZZ	7355	51425	8805	2389
10:59	ZZZZZZ	6843	47187	8010	2382
11:04	ZZZZZZ	6392	43950	7323	2417
11:08	ZZZZZZ	6975	49019	8250	2380

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10706
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:12	ZZZZZZ	6677	46032	7865	2328
11:17	MA10706-CCV3	5801	41343	6894	2176
11:21	MA10706-CCB3	6066	43217	6910	2602
11:25	ZZZZZZ	6343	44859	7343	2468
11:29	ZZZZZZ	6302	44446	7402	2446
11:33	ZZZZZZ	15163	106560	17574	2409
11:37	ZZZZZZ	6400	44565	7216	2482
11:42	ZZZZZZ	6290	43372	7139	2414
11:46	ZZZZZZ	6479	45149	7504	2450
11:50	ZZZZZZ	7385	52679	8790	2349
11:54	ZZZZZZ	6789	48323	7938	2379
11:58	ZZZZZZ	6005	43088	7272	2170
12:02	ZZZZZZ	8306	59954	10288	2192
12:07	MA10706-CCV4	5693	41338	6940	2199
12:11	MA10706-CCB4	5989	43142	6903	2621
12:15	ZZZZZZ	8516	60972	10595	2020
12:19	ZZZZZZ	7747	55970	10213	1783
12:24	MP25037-MB1	6014	43476	7116	2687
12:28	MP25037-B1	5799	41698	6920	2332
12:32	FA4106-1	6138	43752	7214	2527
12:36	MP25037-D1	6070	44175	7178	2515
12:40	MP25037-SD1	5958	43186	7143	2565
12:45	MP25037-PS1	6001	43240	7255	2446
12:49	MP25037-S1	5914	42376	7109	2306
12:53	MP25037-S2	5919	42450	7206	2310
12:57	MA10706-CCV5	5613	40909	6980	2175
13:01	MA10706-CCB5	5875	42798	7028	2588
13:05	ZZZZZZ	6031	43515	7118	2503
13:09	ZZZZZZ	5901	42294	7031	2522
13:13	ZZZZZZ	5888	42206	7087	2520
13:17	ZZZZZZ	5949	42870	7166	2458
13:22	ZZZZZZ	5880	42228	7080	2451
13:26	ZZZZZZ	5879	42652	7374	2456

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10706
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:30	ZZZZZZ	5883	42409	7092	2522
13:34	ZZZZZZ	5961	42222	7126	2512
13:38	ZZZZZZ	5973	42875	7129	2521
13:43	ZZZZZZ	5963	43090	7211	2536
13:47	MA10706-CCV6	5606	40820	6938	2181
13:51	MA10706-CCB6	5920	42876	6992	2609
13:55	ZZZZZZ	6076	43341	7146	2568
13:59	ZZZZZZ	5943	42864	7113	2555
14:04	ZZZZZZ	6103	44149	7512	2519
14:08	ZZZZZZ	6007	43188	7297	2560
14:12	ZZZZZZ	5949	42863	7017	2536
14:16	ZZZZZZ	5976	41202	7152	2538
14:21	ZZZZZZ	5992	43400	7310	2610
14:25	MP25044-MB1	5943	43635	7304	2627
14:29	MP25044-B1	5786	42957	7046	2340
14:33	FA3736-1	5087	37615	7027	2221
14:44	MA10706-CCV7	5651	41086	7004	2176
14:52	MA10706-CCB7	6037	43733	7109	2627
14:56	MP25044-D1	5106	37911	7215	2235
15:01	MP25044-SD1	5762	42761	7267	2533
15:05	MP25044-S1	5068	37883	7020	2187
15:09	MP25044-S2	5097	38122	6992	2196
15:13	ZZZZZZ	6024	43704	7309	2508
15:17	MP25044-MB2	6217	45704	7487	2742
15:22	MP25044-B2	5966	43513	7239	2430
15:26	MP25044-MB3	6348	45807	7362	2769
15:30	MP25044-B3	6071	44234	7369	2451
15:34	MP25046-MB1	6319	46259	7601	2776
15:38	MA10706-CCV8	5946	44257	7398	2316
15:42	MA10706-CCB8	6273	45426	7335	2737
15:47	MP25046-B1	6106	44409	7392	2456
15:51	FA4034-1	5619	41785	7334	2336
15:55	MP25046-D1	5595	41787	7264	2332

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10706
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:59	MP25046-SD1	6085	44598	7356	2591
16:04	MP25046-PS1	5697	42562	7317	2349
16:08	MP25046-S1	5636	42275	7427	2292
16:12	MP25046-S2	5651	43846	7365	2312
16:17	ZZZZZZ	6061	44476	7367	2515
16:21	ZZZZZZ	6002	44948	7463	2460
16:25	ZZZZZZ	5579	41155	7483	2146
16:29	MA10706-CCV9	5894	44678	7433	2311
16:34	MA10706-CCB9	6332	47358	7423	2810
16:38	ZZZZZZ	5757	43202	7375	2344
16:42	ZZZZZZ	5659	41443	7392	2242
16:55	ZZZZZZ	6279	47089	7721	2702
17:13	ZZZZZZ	5791	42662	7161	2330
17:18	ZZZZZZ	5723	40036	7389	2279
17:23	MA10706-CCV10	6297	45427	7165	2443
17:27	MA10706-CCB10	6482	48621	7389	2851

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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10706 Units: ug/l

Time:			08:56		09:41		10:30		11:21	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	3.2	<200	4.9	<200	-0.10	<200	-3.5	<200
Antimony	6.0	1.3	-0.60	<6.0	-2.5	<6.0	-2.1	<6.0	-2.4	<6.0
Arsenic	10	1.6	0.0	<10	-0.50	<10	0.50	<10	0.20	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	1.5	<1000	9.8	<1000	4.7	<1000	4.4	<1000
Chromium	10	1.8	0.10	<10	0.50	<10	0.40	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	1.0	<300	5.6	<300	6.1	<300	5.7	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.80	<5000	7.8	<5000	10.1	<5000	5.7	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	16.2	<10000	8.5	<10000	-10	<10000	21.2	<10000
Selenium	10	2	0.40	<10	0.30	<10	-0.50	<10	-0.10	<10
Silver	10	.5	anr							
Sodium	10000	500	7.5	<10000	12.4	<10000	8.0	<10000	0.10	<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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10706 Units: ug/l

Time:			12:11		13:01		13:51		14:52	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.20	<200	2.2	<200	0.90	<200	5.7	<200
Antimony	6.0	1.3	-1.8	<6.0	-1.9	<6.0	-2.2	<6.0	-2.0	<6.0
Arsenic	10	1.6	-0.20	<10	0.0	<10	-0.30	<10	0.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.0	<5.0	0.0	<5.0	0.20	<5.0
Calcium	1000	50	10.0	<1000	2.7	<1000	2.0	<1000	13.6	<1000
Chromium	10	1.8	0.30	<10	0.50	<10	0.10	<10	0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	7.2	<300	5.6	<300	4.5	<300	11.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.9	<5000	-1.6	<5000	-3.3	<5000	15.7	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	11.4	<10000	56.0	<10000	43.2	<10000	54.8	<10000
Selenium	10	2	-0.60	<10	-0.70	<10	-1.2	<10	0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	9.2	<10000	24.2	<10000	20.9	<10000	35.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10706 Units: ug/l

Time:			15:42		16:34	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	11.8	<200	11.0	<200
Antimony	6.0	1.3	-2.1	<6.0	-2.4	<6.0
Arsenic	10	1.6	0.50	<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
Calcium	1000	50	12.2	<1000	12.9	<1000
Chromium	10	1.8	0.50	<10	0.60	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	12.8	<300	12.3	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	7.4	<5000	2.4	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	60.7	<10000	233	<10000
Selenium	10	2	0.30	<10	0.0	<10
Silver	10	.5	anr			
Sodium	10000	500	47.2	<10000	46.8	<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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10706 Units: ug/l

Time:		08:49			09:35			10:26	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	40400	101.0	40000	40500	101.3
Antimony	2000	2000	100.0	2000	1960	98.0	2000	1940	97.0
Arsenic	2000	2010	100.5	2000	1970	98.5	2000	1950	97.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2050	102.5	2000	2040	102.0
Calcium	40000	40100	100.3	40000	40700	101.8	40000	41000	102.5
Chromium	2000	2030	101.5	2000	2060	103.0	2000	2060	103.0
Cobalt	anr								
Copper	anr								
Iron	40000	39000	97.5	40000	39800	99.5	40000	39400	98.5
Lead	anr								
Magnesium	40000	37900	94.8	40000	40000	100.0	40000	40100	100.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39400	98.5	40000	39800	99.5	40000	39700	99.3
Selenium	2000	2030	101.5	2000	1970	98.5	2000	1950	97.5
Silver	anr								
Sodium	40000	40200	100.5	40000	40800	102.0	40000	40900	102.3
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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10706 Units: ug/l

Time:		11:17			12:07			12:57	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40100	100.3	40000	39200	98.0
Antimony	2000	1930	96.5	2000	2040	102.0	2000	2060	103.0
Arsenic	2000	1950	97.5	2000	2040	102.0	2000	2060	103.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2050	102.5
Calcium	40000	41200	103.0	40000	40300	100.8	40000	39200	98.0
Chromium	2000	2090	104.5	2000	2040	102.0	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	40000	39600	99.0	40000	40400	101.0	40000	39400	98.5
Lead	anr								
Magnesium	40000	40200	100.5	40000	40100	100.3	40000	38800	97.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40100	100.3	40000	41000	102.5	40000	40600	101.5
Selenium	2000	1950	97.5	2000	2050	102.5	2000	2070	103.5
Silver	anr								
Sodium	40000	41600	104.0	40000	40600	101.5	40000	39700	99.3
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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10706 Units: ug/l

Time:		13:47			14:44			15:38	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39600	99.0	40000	37400	93.5
Antimony	2000	2060	103.0	2000	2030	101.5	2000	1940	97.0
Arsenic	2000	2060	103.0	2000	2020	101.0	2000	1930	96.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2040	102.0	2000	1930	96.5
Calcium	40000	39500	98.8	40000	39400	98.5	40000	37200	93.0
Chromium	2000	2020	101.0	2000	2020	101.0	2000	1880	94.0
Cobalt	anr								
Copper	anr								
Iron	40000	39900	99.8	40000	39400	98.5	40000	37400	93.5
Lead	anr								
Magnesium	40000	39200	98.0	40000	38600	96.5	40000	36700	91.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40900	102.3	40000	40500	101.3	40000	38500	96.3
Selenium	2000	2070	103.5	2000	2040	102.0	2000	1940	97.0
Silver	anr								
Sodium	40000	40100	100.3	40000	40300	100.8	40000	38000	95.0
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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10706 Units: ug/l

Time:		16:29	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	37300	93.3
Antimony	2000	1980	99.0
Arsenic	2000	1950	97.5
Barium	anr		
Beryllium	anr		
Cadmium	2000	1930	96.5
Calcium	40000	36900	92.3
Chromium	2000	1840	92.0
Cobalt	anr		
Copper	anr		
Iron	40000	37700	94.3
Lead	anr		
Magnesium	40000	36500	91.3
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	39100	97.8
Selenium	2000	1970	98.5
Silver	anr		
Sodium	40000	38000	95.0
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10706 Units: ug/l

Time:		08:40	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	81700	102.1
Antimony	4000	3970	99.3
Arsenic	4000	3970	99.3
Barium	anr		
Beryllium	anr		
Cadmium	4000	3980	99.5
Calcium	80000	81100	101.4
Chromium	4000	4110	102.8
Cobalt	anr		
Copper	anr		
Iron	80000	80000	100.0
Lead	anr		
Magnesium	80000	80800	101.0
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80800	101.0
Selenium	4000	3950	98.8
Silver	anr		
Sodium	80000	81900	102.4
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10706 Units: ug/l

Time:			09:01	
Sample ID:	CRI	CRIA	CRIA1	
Metal	True	True	Results	% Rec
Aluminum	400	200	201	100.5
Antimony	10	5.0	3.4	68.0*(a)
Arsenic	20	10	10.1	101.0
Barium	400	200	anr	
Beryllium	10	5.0	anr	
Cadmium	10	5.0	5.3	106.0
Calcium	2000	1000	1050	105.0
Chromium	20	10	10.4	104.0
Cobalt	100	50	anr	
Copper	50	25	anr	
Iron	600	300	303	101.0
Lead	10	5.0	anr	
Magnesium	10000	5000	5070	101.4
Manganese	30	15	anr	
Molybdenum	100	50		
Nickel	80	40	anr	
Potassium	20000	10000	9810	98.1
Selenium	20	10	8.9	89.0
Silver	20	10	anr	
Sodium	20000	10000	10100	101.0
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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB042913M1.ICP Date Analyzed: 04/29/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10706 Units: ug/l

Time:			09:15		09:25	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	506000	101.2	498000	99.6
Antimony		1000	0.0		1000	100.0
Arsenic		1000	-0.50		1010	101.0
Barium		500	0.10		519	103.8
Beryllium		500	-0.10		480	96.0
Cadmium		1000	0.10		924	92.4
Calcium	500000	500000	477000	95.4	468000	93.6
Chromium		500	-0.30		482	96.4
Cobalt		500	0.50		457	91.4
Copper		500	0.0		519	103.8
Iron	200000	200000	183000	91.5	182000	91.0
Lead		1000	-0.30		928	92.8
Magnesium	500000	500000	492000	98.4	482000	96.4
Manganese		500	0.80		487	97.4
Molybdenum		1000	-0.10		930	93.0
Nickel		1000	0.0		888	88.8
Potassium			38.9		20.9	
Selenium		1000	0.0		974	97.4
Silver		1000	-0.20		972	97.2
Sodium			128		121	
Strontium		1000	12.3		1040	104.0
Thallium		1000	0.0		943	94.3
Tin		1000	0.0		897	89.7
Titanium		1000	-3.1		968	96.8
Vanadium		500	-0.10		477	95.4
Zinc		1000	4.2		928	92.8

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10710
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:23	MA10710-STD1	1		STDA
09:26	MA10710-STD2	1		STDB
09:31	MA10710-STD3	1		STDC
09:35	MA10710-STD4	1		STDD
09:40	MA10710-HSTD1	1		
09:45	MA10710-ICV1	1		
09:54	MA10710-ICB1	1		
09:58	MA10710-CRIA1	1		
10:08	MA10710-ICSA1	1		
10:21	MA10710-ICSAB1	1		
10:29	MA10710-CCV1	1		
10:42	MA10710-CCB1	1		
10:46	MP25047-MB1	1		
10:51	MP25047-B1	1		
10:54	FA3946-1	5		(sample used for QC only; not part of login FA3829)
10:59	MP25047-D1	5		
11:03	MP25047-SD1	25		
11:07	MP25047-PS1	5		
11:11	MP25047-S1	5		
11:15	MP25047-S2	5		
11:19	ZZZZZZ	5		
11:23	ZZZZZZ	5		
11:27	MA10710-CCV2	1		
11:31	MA10710-CCB2	1		
11:36	ZZZZZZ	5		
11:40	ZZZZZZ	5		
11:44	ZZZZZZ	5		
11:48	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:56	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:18	MA10710-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10710
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	12:22	MA10710-CCB3	1		
	12:39	ZZZZZZ	1		
	12:43	ZZZZZZ	1		
	12:47	ZZZZZZ	1		
	12:52	ZZZZZZ	1		
	12:56	ZZZZZZ	2		
	13:00	ZZZZZZ	4		
	13:05	ZZZZZZ	2		
	13:09	MA10710-CCV4	1		
	13:13	MA10710-CCB4	1		
	13:17	ZZZZZZ	1		
	13:21	ZZZZZZ	1		
	13:25	ZZZZZZ	1		
	13:29	FA3829-1	5		
	13:34	FA3829-2	5		
---------->	Last reportable sample/prep for job FA3829				
	13:38	ZZZZZZ	1		
	13:43	ZZZZZZ	1		
	13:47	ZZZZZZ	1		
	13:51	ZZZZZZ	1		
	13:55	ZZZZZZ	1		
	13:59	MA10710-CCV5	1		
	14:03	MA10710-CCB5	1		
	14:17	ZZZZZZ	1		
	14:21	ZZZZZZ	1		
	14:26	MP25053-MB1	1		
	14:30	MP25053-B1	1		
	14:34	FA3945-13	5		(sample used for QC only; not part of login FA3829)
	14:38	MP25053-D1	5		
	14:42	MP25053-SD1	25		
	14:46	MP25053-PS1	5		
	14:50	MP25053-S1	5		
	14:54	MP25053-S2	5		
	14:58	MA10710-CCV6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10710
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:02	MA10710-CCB6	1		
15:27	MA10710-CCV7	1		
15:33	MA10710-CCB7	1		
15:37	ZZZZZZ	5		
15:41	ZZZZZZ	5		
15:45	ZZZZZZ	5		
15:49	ZZZZZZ	5		
15:53	ZZZZZZ	5		
15:57	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:10	ZZZZZZ	1		
16:15	MP25054-MB1	1		
16:19	MA10710-CCV8	1		
16:23	MA10710-CCB8	1		
16:27	MP25054-B1	1		
16:31	FA4066-1	1		(sample used for QC only; not part of login FA3829)
16:35	MP25054-D1	1		
16:39	MP25054-SD1	5		
16:43	MP25054-S1	1		
16:48	MP25054-S2	1		
16:52	ZZZZZZ	1		
16:56	ZZZZZZ	1		
17:00	ZZZZZZ	1		
17:04	JB35410-2AC	1		(sample used for QC only; not part of login FA3829)
17:09	MA10710-CCV9	1		
17:13	MA10710-CCB9	1		
17:17	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:25	MP25054-D2	1		
17:29	MP25054-D3	1		
17:34	MP25054-MB2	1		
17:38	MP25054-B2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10710
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:42	MP25054-MB3	1		
17:46	MP25054-B3	1		
17:50	MP25054-MB4	1		
17:55	MP25054-B4	1		
17:59	MA10710-CCV10	1		
18:03	MA10710-CCB10	1		
18:07	MP25056-MB1	1		
18:11	MP25056-B1	1		
18:15	FA3950-4	1		(sample used for QC only; not part of login FA3829)
18:20	MP25056-D1	1		
18:24	MP25056-SD1	5		
18:28	MP25056-PS1	1		
18:33	MP25056-S1	1		
18:37	MP25056-S2	1		
18:42	ZZZZZZ	1		
18:46	ZZZZZZ	1		
18:51	MA10710-CCV11	1		
18:55	MA10710-CCB11	1		
18:59	ZZZZZZ	1		
19:04	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:12	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:29	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:37	ZZZZZZ	1		
19:41	MA10710-CCV12	1		
19:45	MA10710-CCB12	1		
19:50	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:58	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10710
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	20:02	ZZZZZZ	1		
	20:06	ZZZZZZ	1		
	20:10	ZZZZZZ	1		
	20:14	ZZZZZZ	1		
	20:18	MA10710-CRIA2	1		
	20:22	MA10710-ICSA2	1		
	20:27	MA10710-ICSAB2	1		
	20:31	MA10710-CCV13	1		
	20:35	MA10710-CCB13	1		
---------->	Last reportable CCB for job FA3829				
	20:40	MA10710-CCV14	1		
	20:44	MA10710-CCB14	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10710
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:23	MA10710-STD1	7327	42171	5292	2881
09:26	MA10710-STD2	7304	42087	5329	2736
09:31	MA10710-STD3	6975	40906	5234	2456
09:35	MA10710-STD4	6738	39735	5093	2206
09:40	MA10710-HSTD1	6738	39439	5107	2189
09:45	MA10710-ICV1	7001	40527	5120	2430
09:54	MA10710-ICB1	7334 R	42091 R	5215 R	2881 R
09:58	MA10710-CRIA1	7264	42616	5322	2818
10:08	MA10710-ICSA1	6631	37697	5044	2295
10:21	MA10710-ICSAB1	6472	37136	4895	2177
10:29	MA10710-CCV1	6966	40253	5011	2394
10:42	MA10710-CCB1	7145	41053	4992	2803
10:46	MP25047-MB1	7252	42049	5044	2833
10:51	MP25047-B1	6898	40413	4971	2522
10:54	FA3946-1	7841	44649	5540	2699
10:59	MP25047-D1	7911	45031	5477	2683
11:03	MP25047-SD1	7623	43630	5256	2871
11:07	MP25047-PS1	7857	44651	5445	2689
11:11	MP25047-S1	7620	43568	5359	2669
11:15	MP25047-S2	7682	44069	5420	2663
11:19	ZZZZZZ	7815	44531	5516	2699
11:23	ZZZZZZ	7524	43504	5322	2771
11:27	MA10710-CCV2	6977	40875	5022	2462
11:31	MA10710-CCB2	7215	41996	5022	2886
11:36	ZZZZZZ	7818	44732	5501	2670
11:40	ZZZZZZ	7633	43775	5341	2747
11:44	ZZZZZZ	7804	44465	5387	2752
11:48	ZZZZZZ	8544	49659	6098	2655
11:52	ZZZZZZ	7992	46653	5629	2713
11:56	ZZZZZZ	9314 !	54443 !	6687 !	2561
12:04	ZZZZZZ	8093	47200	5802	2721
12:09	ZZZZZZ	No results reported for the elements associated with this internal standard.			
12:18	MA10710-CCV3	6890	40966	4867	2450

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10710
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:22	MA10710-CCB3	7161	41754	4846	2871
12:39	ZZZZZZ	11392 !	66714 !	7643 !	2572
12:43	ZZZZZZ	12152 !	70909 !	8059 !	2615
12:47	ZZZZZZ	9526 !	56076 !	6991 !	2092
12:52	ZZZZZZ	10060 !	58773 !	7095 !	2184
12:56	ZZZZZZ	9526 !	55355 !	6571 !	2564
13:00	ZZZZZZ	9287 !	54754 !	6342	2630
13:05	ZZZZZZ	9495 !	54868 !	6523 !	2653
13:09	MA10710-CCV4	6829	40467	4746	2455
13:13	MA10710-CCB4	7112	41671	4717	2876
13:17	ZZZZZZ	7686	44261	5126	2724
13:21	ZZZZZZ	8255	48003	5417	2728
13:25	ZZZZZZ	7317	42991	4901	2843
13:29	FA3829-1	7984	46456	5681	2418
13:34	FA3829-2	8055	46816	5583	2376
13:38	ZZZZZZ	7172	41652	4709	2796
13:43	ZZZZZZ	6686	39611	4542	2521
13:47	ZZZZZZ	6926	41410	4724	2654
13:51	ZZZZZZ	6607	39344	4614	2478
13:55	ZZZZZZ	6646	39486	4523	2476
13:59	MA10710-CCV5	6887	40332	4587	2442
14:03	MA10710-CCB5	7203	41865	4707	2889
14:17	ZZZZZZ	6766	39567	4515	2498
14:21	ZZZZZZ	6903	40736	4713	2584
14:26	MP25053-MB1	6927	40028	4590	2786
14:30	MP25053-B1	6722	39519	4410	2494
14:34	FA3945-13	7534	43463	4885	2724
14:38	MP25053-D1	7624	43354	4917	2743
14:42	MP25053-SD1	7385	42762	4786	2864
14:46	MP25053-PS1	7546	43658	4950	2764
14:50	MP25053-S1	7479	43452	4854	2691
14:54	MP25053-S2	7495	43104	4840	2678
14:58	MA10710-CCV6	6809	40408	4565	2408

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10710
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:02	MA10710-CCB6	7124	41502	4531	2857
15:27	MA10710-CCV7	6709	39688	4482	2409
15:33	MA10710-CCB7	6992	41112	4514	2811
15:37	ZZZZZZ	7474	42816	4813	2713
15:41	ZZZZZZ	7765	44828	5138	2667
15:45	ZZZZZZ	7696	44738	5011	2745
15:49	ZZZZZZ	8211	47338	5313	2692
15:53	ZZZZZZ	8490	49015	5494	2600
15:57	ZZZZZZ	7636	44665	5147	2383
16:02	ZZZZZZ	7653	44830	5110	2411
16:06	ZZZZZZ	7781	45661	5158	2418
16:10	ZZZZZZ	7316	43215	4839	2245
16:15	MP25054-MB1	7329	42742	4648	2920
16:19	MA10710-CCV8	6858	40310	4591	2437
16:23	MA10710-CCB8	7138	41785	4566	2860
16:27	MP25054-B1	7037	41176	4548	2601
16:31	FA4066-1	6854	40384	4606	2537
16:35	MP25054-D1	6802	39937	4566	2526
16:39	MP25054-SD1	7053	41444	4538	2709
16:43	MP25054-S1	6778	39520	4462	2397
16:48	MP25054-S2	6819	39935	4472	2437
16:52	ZZZZZZ	6913	40219	4508	2585
16:56	ZZZZZZ	6737	39904	4490	2510
17:00	ZZZZZZ	6730	39555	4419	2531
17:04	JB35410-2AC	6882	40557	4606	2551
17:09	MA10710-CCV9	6835	40293	4501	2431
17:13	MA10710-CCB9	7064	41497	4506	2857
17:17	ZZZZZZ	6832	40110	4560	2555
17:21	ZZZZZZ	6804	39834	4576	2549
17:25	MP25054-D2	6696	39690	4480	2522
17:29	MP25054-D3	6845	40361	4546	2563
17:34	MP25054-MB2	6831	40249	4579	2589
17:38	MP25054-B2	6756	39816	4505	2464

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10710
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:42	MP25054-MB3	6743	39987	4519	2574
17:46	MP25054-B3	6730	39952	4537	2467
17:50	MP25054-MB4	6870	40626	4543	2625
17:55	MP25054-B4	6766	39964	4529	2476
17:59	MA10710-CCV10	6764	40179	4479	2438
18:03	MA10710-CCB10	7021	41515	4485	2857
18:07	MP25056-MB1	7123	42089	4542	2889
18:11	MP25056-B1	6948	40841	4554	2613
18:15	FA3950-4	6650	39640	4559	2411
18:20	MP25056-D1	6632	39823	4734	2424
18:24	MP25056-SD1	6929	41085	4542	2655
18:28	MP25056-PS1	6646	39414	4576	2387
18:33	MP25056-S1	6694	39329	4485	2336
18:37	MP25056-S2	6698	39461	4503	2325
18:42	ZZZZZZ	6674	39351	4511	2439
18:46	ZZZZZZ	6708	39292	4508	2452
18:51	MA10710-CCV11	6845	40305	4462	2400
18:55	MA10710-CCB11	7169	41461	4508	2829
18:59	ZZZZZZ	6678	38959	4531	2397
19:04	ZZZZZZ	6503	38476	4451	2354
19:08	ZZZZZZ	6617	39394	4462	2423
19:12	ZZZZZZ	6689	39466	4507	2409
19:17	ZZZZZZ	6796	40065	4419	2521
19:21	ZZZZZZ	6812	40276	4478	2548
19:25	ZZZZZZ	7020	41367	4531	2703
19:29	ZZZZZZ	7168	41995	4557	2732
19:33	ZZZZZZ	7185	42165	4556	2876
19:37	ZZZZZZ	7194	42050	4580	2828
19:41	MA10710-CCV12	6779	39853	4438	2410
19:45	MA10710-CCB12	7035	41222	4470	2833
19:50	ZZZZZZ	6774	40239	4422	2600
19:54	ZZZZZZ	7074	41746	4523	2799
19:58	ZZZZZZ	7215	42325	4590	2803

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10710
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:02	ZZZZZZ	7159	42460	4637	2753
20:06	ZZZZZZ	7119	41848	4519	2815
20:10	ZZZZZZ	7138	41794	4507	2857
20:14	ZZZZZZ	7237	42614	4591	2860
20:18	MA10710-CRIA2	6953	41031	4479	2744
20:22	MA10710-ICSA2	6293	36366	4210	2244
20:27	MA10710-ICSAB2	6260	36245	4194	2184
20:31	MA10710-CCV13	6776	39648	4310	2408
20:35	MA10710-CCB13	7060	41371	4427	2843
20:40	MA10710-CCV14	6757	39849	4380	2403
20:44	MA10710-CCB14	7015	41063	4420	2829

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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10710 Units: ug/l

Time:			09:54		10:42		11:31		12:22	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-1.8	<200	-2.3	<200	0.50	<200	1.0	<200
Antimony	6.0	1.3	1.5	<6.0	1.0	<6.0	1.0	<6.0	0.90	<6.0
Arsenic	10	1.6	-0.10	<10	-0.60	<10	0.40	<10	0.30	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	19.9	<1000	4.0	<1000	3.8	<1000	1.5	<1000
Chromium	10	1.8	0.0	<10	0.10	<10	0.20	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	3.0	<300	5.6	<300	14.2	<300	18.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	13.0	<5000	12.0	<5000	11.7	<5000	19.2	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	59.5	<10000	39.4	<10000	81.3	<10000	85.4	<10000
Selenium	10	2	0.50	<10	0.60	<10	-0.30	<10	-0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10710 Units: ug/l

Time:			13:13		14:03		15:02		15:33	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.9	<200	-0.50	<200	-6.8	<200	2.9	<200
Antimony	6.0	1.3	1.0	<6.0	1.1	<6.0	1.3	<6.0	1.4	<6.0
Arsenic	10	1.6	0.10	<10	0.20	<10	-0.50	<10	1.2	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	3.1	<1000	3.7	<1000	1.2	<1000	4.7	<1000
Chromium	10	1.8	0.20	<10	0.20	<10	0.10	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	15.9	<300	11.4	<300	11.2	<300	3.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	15.8	<5000	11.4	<5000	9.8	<5000	6.6	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	53.7	<10000	22.2	<10000	42.7	<10000	13.0	<10000
Selenium	10	2	-0.10	<10	-0.80	<10	-0.50	<10	1.2	<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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10710 Units: ug/l

Time:			16:23		17:13		18:03		18:55	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	3.6	<200	-2.1	<200	-3.2	<200	0.30	<200
Antimony	6.0	1.3	1.3	<6.0	1.3	<6.0	1.0	<6.0	1.6	<6.0
Arsenic	10	1.6	0.70	<10	1.5	<10	1.2	<10	1.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.30	<5.0	0.20	<5.0	0.20	<5.0	0.30	<5.0
Calcium	1000	50	11.8	<1000	9.1	<1000	10.5	<1000	13.2	<1000
Chromium	10	1.8	0.10	<10	0.20	<10	0.20	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	10.1	<300	12.0	<300	9.8	<300	12.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	20.4	<5000	9.4	<5000	22.7	<5000	11.0	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	39.9	<10000	-25	<10000	-1.6	<10000	-32	<10000
Selenium	10	2	0.30	<10	0.80	<10	1.0	<10	0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10710 Units: ug/l

Time:			19:45		20:35	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	8.5	<200	10.1	<200
Antimony	6.0	1.3	2.2	<6.0	0.20	<6.0
Arsenic	10	1.6	1.1	<10	1.1	<10
Barium	200	1	anr			
Beryllium	4.0	.5				
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0
Calcium	1000	50	10.9	<1000	16.4	<1000
Chromium	10	1.8	0.50	<10	0.0	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	8.5	<300	11.3	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	12.2	<5000	16.4	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	-3.3	<10000	44.0	<10000
Selenium	10	2	1.6	<10	1.7	<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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10710 Units: ug/l

Time:		09:45			10:29			11:27	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40500	101.3	40000	39300	98.3
Antimony	2000	1970	98.5	2000	1960	98.0	2000	2000	100.0
Arsenic	2000	1980	99.0	2000	1970	98.5	2000	1990	99.5
Barium	anr								
Beryllium									
Cadmium	2000	2020	101.0	2000	2050	102.5	2000	2010	100.5
Calcium	40000	40600	101.5	40000	41000	102.5	40000	39800	99.5
Chromium	2000	2050	102.5	2000	2070	103.5	2000	2010	100.5
Cobalt									
Copper	anr								
Iron	40000	39000	97.5	40000	39100	97.8	40000	39300	98.3
Lead	anr								
Magnesium	40000	38500	96.3	40000	40400	101.0	40000	40100	100.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39500	98.8	40000	40500	101.3	40000	40800	102.0
Selenium	2000	2000	100.0	2000	1970	98.5	2000	2000	100.0
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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10710 Units: ug/l

Time:		12:18			13:09			13:59	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39300	98.3	40000	39300	98.3
Antimony	2000	2040	102.0	2000	2070	103.5	2000	2040	102.0
Arsenic	2000	2020	101.0	2000	2060	103.0	2000	2020	101.0
Barium	anr								
Beryllium									
Cadmium	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Calcium	40000	39700	99.3	40000	39100	97.8	40000	39900	99.8
Chromium	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Cobalt									
Copper	anr								
Iron	40000	39400	98.5	40000	39800	99.5	40000	39000	97.5
Lead	anr								
Magnesium	40000	40200	100.5	40000	39800	99.5	40000	40100	100.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41900	104.8	40000	42800	107.0	40000	42900	107.3
Selenium	2000	2030	101.5	2000	2080	104.0	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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10710 Units: ug/l

Time:		14:58			15:27			16:19	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39600	99.0	40000	39000	97.5
Antimony	2000	2040	102.0	2000	2050	102.5	2000	2000	100.0
Arsenic	2000	2030	101.5	2000	2050	102.5	2000	2010	100.5
Barium	anr								
Beryllium									
Cadmium	2000	2060	103.0	2000	2040	102.0	2000	2010	100.5
Calcium	40000	40300	100.8	40000	39600	99.0	40000	39000	97.5
Chromium	2000	2050	102.5	2000	2020	101.0	2000	1990	99.5
Cobalt									
Copper	anr								
Iron	40000	39000	97.5	40000	40800	102.0	40000	39700	99.3
Lead	anr								
Magnesium	40000	40300	100.8	40000	40200	100.5	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	44000	110.0	40000	40000	100.0	40000	39400	98.5
Selenium	2000	2040	102.0	2000	2060	103.0	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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10710 Units: ug/l

Time:		17:09			17:59			18:51	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38700	96.8	40000	38500	96.3	40000	39300	98.3
Antimony	2000	1990	99.5	2000	2020	101.0	2000	1980	99.0
Arsenic	2000	1990	99.5	2000	2020	101.0	2000	1990	99.5
Barium	anr								
Beryllium									
Cadmium	2000	2000	100.0	2000	2010	100.5	2000	2030	101.5
Calcium	40000	38900	97.3	40000	39000	97.5	40000	39000	97.5
Chromium	2000	1990	99.5	2000	1980	99.0	2000	2000	100.0
Cobalt									
Copper	anr								
Iron	40000	39400	98.5	40000	39900	99.8	40000	39400	98.5
Lead	anr								
Magnesium	40000	39100	97.8	40000	39700	99.3	40000	39000	97.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	38900	97.3	40000	39500	98.8	40000	39000	97.5
Selenium	2000	2000	100.0	2000	2030	101.5	2000	2000	100.0
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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10710 Units: ug/l

Time:		19:41			20:31	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38900	97.3	40000	39400	98.5
Antimony	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	2010	100.5	2000	2020	101.0
Barium	anr					
Beryllium						
Cadmium	2000	2010	100.5	2000	2030	101.5
Calcium	40000	39000	97.5	40000	39700	99.3
Chromium	2000	2000	100.0	2000	2020	101.0
Cobalt						
Copper	anr					
Iron	40000	39900	99.8	40000	40500	101.3
Lead	anr					
Magnesium	40000	39300	98.3	40000	40100	100.3
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	39300	98.3	40000	40400	101.0
Selenium	2000	2020	101.0	2000	2030	101.5
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10710 Units: ug/l

Time:		09:40	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	81300	101.6
Antimony	4000	3990	99.8
Arsenic	4000	4000	100.0
Barium	anr		
Beryllium			
Cadmium	4000	3990	99.8
Calcium	80000	80700	100.9
Chromium	4000	4030	100.8
Cobalt			
Copper	anr		
Iron	80000	79500	99.4
Lead	anr		
Magnesium	80000	79800	99.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80200	100.3
Selenium	4000	3990	99.8
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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10710 Units: ug/l

Time:			09:58		20:18	
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	6.9	138.0	6.3	126.0
Arsenic	20	10	9.9	99.0	10.7	107.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.2	104.0	5.2	104.0
Calcium	2000	1000	1020	102.0	1010	101.0
Chromium	20	10	10.2	102.0	10.3	103.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	319	106.3	310	103.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5020	100.4	5060	101.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9990	99.9	10100	101.0
Selenium	20	10	11.2	112.0	10.4	104.0
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

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

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB043013M1.ICP Date Analyzed: 04/30/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10710 Units: ug/l

Time:			10:08		10:21		20:22		20:27	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	490000	98.0	518000	103.6	499000	99.8	503000	100.6
Antimony		1000	0.0		1000	100.0	1.4		1020	102.0
Arsenic		1000	-2.0		1020	102.0	-0.70		1040	104.0
Barium		500	0.0		531	106.2	0.10		521	104.2
Beryllium		500	-0.10		497	99.4	0.0		497	99.4
Cadmium		1000	0.0		952	95.2	-0.70		941	94.1
Calcium	500000	500000	477000	95.4	492000	98.4	471000	94.2	470000	94.0
Chromium		500	-0.60		494	98.8	-0.70		482	96.4
Cobalt		500	0.50		470	94.0	0.40		465	93.0
Copper		500	0.0		519	103.8	2.6		528	105.6
Iron	200000	200000	181000	90.5	189000	94.5	193000	96.5	195000	97.5
Lead		1000	0.60		950	95.0	-1.5		918	91.8
Magnesium	500000	500000	470000	94.0	482000	96.4	479000	95.8	475000	95.0
Manganese		500	0.40		498	99.6	0.0		506	101.2
Molybdenum		1000	0.20		903	90.3	0.0		935	93.5
Nickel		1000	-0.30		914	91.4	0.30		938	93.8
Potassium			108		44.0		40.2		53.8	
Selenium		1000	1.2		985	98.5	0.40		1000	100.0
Silver		1000	-0.30		978	97.8	0.10		988	98.8
Sodium			161		179		204		215	
Strontium		1000	11.8		1060	106.0	11.7		994	99.4
Thallium		1000	0.0		923	92.3	-1.5		943	94.3
Tin		1000	0.10		924	92.4	-0.50		931	93.1
Titanium		1000	-2.3		976	97.6	-2.5		1020	102.0
Vanadium		500	-0.40		485	97.0	-0.40		483	96.6
Zinc		1000	1.8		964	96.4	1.7		953	95.3

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:53	MA10713-STD1	1		STDA
07:57	MA10713-STD2	1		STDB
08:01	MA10713-STD3	1		STDC
08:05	MA10713-STD4	1		STDD
08:10	MA10713-HSTD1	1		
08:18	MA10713-ICV1	1		
08:30	MA10713-ICB1	1		
08:35	MA10713-CRIA1	1		
08:42	MA10713-ICSA1	1		
08:51	MA10713-ICSAB1	1		
08:59	MA10713-CCV1	1		
09:10	MA10713-CCB1	1		
09:14	MP25058-MB1	1		
09:18	MP25058-B1	1		
09:22	FA4103-1	1		(sample used for QC only; not part of login FA3829)
09:26	MP25058-D1	1		
09:31	MP25058-SD1	5		
09:35	MP25058-PS1	1		
09:39	MP25058-S1	1		
09:43	MP25058-S2	1		
09:47	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	MA10713-CCV2	1		
10:00	MA10713-CCB2	1		
10:12	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:20	ZZZZZZ	1		
10:25	ZZZZZZ	1		
10:29	ZZZZZZ	1		
10:33	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:47	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:52	ZZZZZZ	1		
10:56	MA10713-CCV3	1		
11:00	MA10713-CCB3	1		
11:05	ZZZZZZ	1		
11:09	FA3876-12	4		(sample used for QC only; not part of login FA3829)
11:13	MP25048-D1	4		
11:18	MP25048-S1	4		
11:22	MP25048-S2	4		
11:26	MP25048-PS1	4		
11:30	MP25048-SD1	20		
11:34	ZZZZZZ	4		
11:38	ZZZZZZ	2		
11:42	ZZZZZZ	2		
11:47	MA10713-CCV4	1		
11:51	MA10713-CCB4	1		
11:59	ZZZZZZ	2		
12:03	ZZZZZZ	4		
12:08	ZZZZZZ	2		
12:12	ZZZZZZ	4		
12:16	ZZZZZZ	4		
12:20	ZZZZZZ	5		
12:24	ZZZZZZ	2		
12:38	ZZZZZZ	2		
12:43	ZZZZZZ	4		
12:47	MA10713-CCV5	1		
12:51	MA10713-CCB5	1		
12:55	ZZZZZZ	2		
13:00	ZZZZZZ	5		
13:04	ZZZZZZ	5		
13:08	ZZZZZZ	5		
13:13	ZZZZZZ	5		
13:17	ZZZZZZ	5		
13:21	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: K,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:25	ZZZZZZ	5		
	13:29	ZZZZZZ	5		
	13:34	FA3829-1	20		
	13:38	MA10713-CCV6	1		
	13:42	MA10713-CCB6	1		
	13:46	FA3829-2	20		
---------->	Last reportable sample/prep for job FA3829				
	13:50	MP25062-MB1	1		
	13:55	MP25062-B1	1		
	13:59	FA4025-7	1		(sample used for QC only; not part of login FA3829)
	14:03	MP25062-D1	1		
	14:08	MP25062-SD1	5		
	14:12	MP25062-PS1	1		
	14:16	MP25062-S1	1		
	14:20	MP25062-S2	1		
	14:24	ZZZZZZ	1		
	14:29	MA10713-CCV7	1		
	14:33	MA10713-CCB7	1		
	15:05	MA10713-CCV8	1		
	15:12	MA10713-CCB8	1		
	15:23	ZZZZZZ	1		
	15:27	ZZZZZZ	1		
	15:32	ZZZZZZ	1		
	15:36	ZZZZZZ	1		
	15:40	ZZZZZZ	1		
	15:45	ZZZZZZ	1		
	15:49	ZZZZZZ	1		
	15:54	ZZZZZZ	1		
	15:58	ZZZZZZ	1		
	16:03	ZZZZZZ	1		
	16:08	MA10713-CCV9	1		
	16:12	MA10713-CCB9	1		
	16:16	ZZZZZZ	1		
	16:21	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:25	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:48	ZZZZZZ	1		
16:53	MP25064-MB1	1		
16:57	MP25064-B1	1		
17:01	MA10713-CCV10	1		
17:05	MA10713-CCB10	1		
17:09	FA4193-1	1		(sample used for QC only; not part of login FA3829)
17:13	MP25064-D1	1		
17:18	MP25064-SD1	5		
17:22	MP25064-PS1	1		
17:26	MP25064-S1	1		
17:30	MP25064-S2	1		
17:34	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:51	MA10713-CCV11	1		
17:55	MA10713-CCB11	1		
17:59	ZZZZZZ	1		
18:03	ZZZZZZ	1		
18:08	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:16	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:33	MA10713-CRIA2	1		
18:37	MA10713-ICSA2	1		
18:42	MA10713-CCV12	1		
18:46	MA10713-CCB12	1		
18:50	MA10713-ICSAB2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:54	MA10713-CCV13	1		
18:58	MA10713-CCB13	1		

----------> Last reportable CCB for job FA3829
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:53	MA10713-STD1	4356	36255	6965	2043
07:57	MA10713-STD2	4306	35894	7153	1922
08:01	MA10713-STD3	4120	34730	7091	1728
08:05	MA10713-STD4	3988	33563	6905	1576
08:10	MA10713-HSTD1	4006	33530	6914	1563
08:18	MA10713-ICV1	4143	34640	7124	1724
08:30	MA10713-ICB1	4395 R	36344 R	7057 R	2029 R
08:35	MA10713-CRIA1	4326	35798	7090	1947
08:42	MA10713-ICSA1	3790	30714	6776	1537
08:51	MA10713-ICSAB1	3824	30821	6701	1505
08:59	MA10713-CCV1	4200	34973	7138	1716
09:10	MA10713-CCB1	4337	36032	6955	2000
09:14	MP25058-MB1	4326	36189	6971	1993
09:18	MP25058-B1	4167	34529	6854	1793
09:22	FA4103-1	3881	32488	7315	1217
09:26	MP25058-D1	3670	31002	7126	1196 !
09:31	MP25058-SD1	3917	32829	6886	1545
09:35	MP25058-PS1	3867	32296	7157	1217
09:39	MP25058-S1	3516	29421	6578	1143 !
09:43	MP25058-S2	3496	29294	6547	1155 !
09:47	ZZZZZZ	3659	30489	6701	1223
09:52	ZZZZZZ	3686	30809	6769	1219
09:56	MA10713-CCV2	4203	34744	6767	1705
10:00	MA10713-CCB2	4344	36327	6911	2003
10:12	ZZZZZZ	3708	30892	6757	1238
10:16	ZZZZZZ	3417	28453	6293	1141 !
10:20	ZZZZZZ	6101 !	50546 !	9809 !	1809
10:25	ZZZZZZ	4669	39213	7752	1756
10:29	ZZZZZZ	5090	42104	7849	1898
10:33	ZZZZZZ	4422	37376	7419	1831
10:38	ZZZZZZ	6549 !	53731 !	10598 !	1674
10:43	ZZZZZZ	6399 !	52816 !	10385 !	1684
10:47	ZZZZZZ	6026 !	49335 !	9379 !	1751

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:52	ZZZZZZ	5806 !	47537 !	8892 !	1757
10:56	MA10713-CCV3	4236	34778	6482	1702
11:00	MA10713-CCB3	4423	36321	6550	2013
11:05	ZZZZZZ	5922 !	48886 !	9437 !	1715
11:09	FA3876-12	4926	40502	7574	1804
11:13	MP25048-D1	4979	40730	7610	1814
11:18	MP25048-S1	5013	40756	7728	1789
11:22	MP25048-S2	4921	40099	7525	1793
11:26	MP25048-PS1	4967	40521	7518	1800
11:30	MP25048-SD1	4520	37312	6743	1929
11:34	ZZZZZZ	4635	38052	7050	1889
11:38	ZZZZZZ	5156	42315	7938	1832
11:42	ZZZZZZ	5161	42442	8068	1847
11:47	MA10713-CCV4	4176	34555	6471	1710
11:51	MA10713-CCB4	4327	35938	6438	2000
11:59	ZZZZZZ	5090	41888	7964	1805
12:03	ZZZZZZ	4943	40725	7634	1864
12:08	ZZZZZZ	5395	44036	8334	1820
12:12	ZZZZZZ	4957	40508	7518	1858
12:16	ZZZZZZ	4954	40662	7583	1856
12:20	ZZZZZZ	4427	36271	7082	1628
12:24	ZZZZZZ	4722	38886	7651	1631
12:38	ZZZZZZ	5047	41515	7759	1853
12:43	ZZZZZZ	4783	39414	7305	1872
12:47	MA10713-CCV5	4186	34611	6476	1712
12:51	MA10713-CCB5	4421	36526	6594	2046
12:55	ZZZZZZ	4606	37752	7168	1884
13:00	ZZZZZZ	4585	37063	7045	1814
13:04	ZZZZZZ	4610	37355	7033	1803
13:08	ZZZZZZ	4706	38090	7225	1849
13:13	ZZZZZZ	4507	36354	6877	1856
13:17	ZZZZZZ	4891	40866	7496	1957
13:21	ZZZZZZ	5030	42042	7771	1973

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:25	ZZZZZZ	4511	37454	7052	1704
13:29	ZZZZZZ	4634	38409	7185	1749
13:34	FA3829-1	4441	36279	6789	1806
13:38	MA10713-CCV6	4153	34194	6464	1697
13:42	MA10713-CCB6	4318	36186	6577	2006
13:46	FA3829-2	4435	37004	6903	1809
13:50	MP25062-MB1	4313	36201	6516	2010
13:55	MP25062-B1	4191	34823	6403	1811
13:59	FA4025-7	4066	34047	6363	1787
14:03	MP25062-D1	4118	34470	6554	1804
14:08	MP25062-SD1	4205	35200	6553	1928
14:12	MP25062-PS1	4068	34023	6442	1769
14:16	MP25062-S1	4051	33818	6385	1701
14:20	MP25062-S2	4076	33875	6469	1712
14:24	ZZZZZZ	4103	34349	6623	1720
14:29	MA10713-CCV7	4082	34140	6445	1705
14:33	MA10713-CCB7	4264	35845	6388	2009
15:05	MA10713-CCV8	4082	33809	6381	1701
15:12	MA10713-CCB8	4229	35713	6499	2019
15:23	ZZZZZZ	3967	33470	6379	1666
15:27	ZZZZZZ	4004	33785	6444	1687
15:32	ZZZZZZ	3832	32364	6436	1506
15:36	ZZZZZZ	3820	32508	6272	1684
15:40	ZZZZZZ	3946	33694	6441	1774
15:45	ZZZZZZ	3783	32117	6184	1664
15:49	ZZZZZZ	3896	32709	6267	1699
15:54	ZZZZZZ	3946	33297	6306	1763
15:58	ZZZZZZ	3768	32386	6322	1793
16:03	ZZZZZZ	No results reported for the elements associated with this internal standard.			
16:08	MA10713-CCV9	4047	34028	6454	1717
16:12	MA10713-CCB9	4249	35749	6399	2012
16:16	ZZZZZZ	3877	32680	6271	1678
16:21	ZZZZZZ	3924	33201	6325	1723

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:25	ZZZZZZ	3988	33849	6399	1759
16:30	ZZZZZZ	3810	32252	6289	1655
16:34	ZZZZZZ	3911	33086	6258	1730
16:39	ZZZZZZ	3894	32848	6320	1699
16:43	ZZZZZZ	3879	32647	6319	1662
16:48	ZZZZZZ	3873	32674	6302	1694
16:53	MP25064-MB1	4256	35811	6475	2041
16:57	MP25064-B1	4121	34320	6366	1814
17:01	MA10713-CCV10	4069	33931	6389	1725
17:05	MA10713-CCB10	4236	35520	6430	2024
17:09	FA4193-1	4249	35620	6608	1978
17:13	MP25064-D1	4243	35346	6507	1967
17:18	MP25064-SD1	4234	35507	6432	1992
17:22	MP25064-PS1	4209	35119	6630	1909
17:26	MP25064-S1	4086	34289	6703	1790
17:30	MP25064-S2	4118	34460	6475	1781
17:34	ZZZZZZ	4194	35087	6521	1913
17:38	ZZZZZZ	4152	34792	6489	1894
17:42	ZZZZZZ	4173	35268	6698	1897
17:47	ZZZZZZ	4123	34627	6518	1893
17:51	MA10713-CCV11	4078	33933	6314	1703
17:55	MA10713-CCB11	4287	35860	6511	2015
17:59	ZZZZZZ	4171	34902	6503	1900
18:03	ZZZZZZ	4163	34744	6595	1905
18:08	ZZZZZZ	4152	34317	6506	1903
18:12	ZZZZZZ	4174	34894	6525	1916
18:16	ZZZZZZ	4179	34790	6539	1901
18:20	ZZZZZZ	4335	36131	6746	1952
18:33	MA10713-CRIA2	4196	35336	6633	1959
18:37	MA10713-ICSA2	3742	30771	6250	1528
18:42	MA10713-CCV12	4089	33902	6386	1703
18:46	MA10713-CCB12	4284	35778	6472	2011
18:50	MA10713-ICSAB2	3746	30667	6283	1516

INTERNAL STANDARD SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:54	MA10713-CCV13	4049	34014	6415	1698
18:58	MA10713-CCB13	4266	35756	6401	2003

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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10713 Units: ug/l

Time:			08:30		09:10		10:00		11:00	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	11.1	<10000	14.8	<10000	22.3	<10000	17.7	<10000
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	7.9	<10000	11.2	<10000	32.2	<10000	20.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10713 Units: ug/l

Time:			11:51		12:51		13:42		14:33	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	28.8	<10000	19.0	<10000	27.7	<10000	23.4	<10000
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	10.7	<10000	5.3	<10000	11.6	<10000	20.6	<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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10713 Units: ug/l

Time:			15:12		16:12		17:05		17:55	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	38.7	<10000	111	<10000	18.0	<10000	25.6	<10000
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	2.6	<10000	41.3	<10000	10.8	<10000	13.4	<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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10713 Units: ug/l

Time:			18:46		18:58	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	anr			
Antimony	6.0	1.3	anr			
Arsenic	10	1.6	anr			
Barium	200	1	anr			
Beryllium	4.0	.5	anr			
Cadmium	5.0	.5	anr			
Calcium	1000	50	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	26.1	<10000	8.8	<10000
Selenium	10	2	anr			
Silver	10	.5	anr			
Sodium	10000	500	8.4	<10000	0.70	<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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10713 Units: ug/l

Time:		08:18			08:59			09:56	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39200	98.0	40000	38300	95.8	40000	41200	103.0
Selenium	anr								
Silver	anr								
Sodium	40000	40400	101.0	40000	39300	98.3	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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10713 Units: ug/l

Time:		10:56			11:47			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									
Nickel	anr								
Potassium	40000	42600	106.5	40000	43000	107.5	40000	42500	106.3
Selenium	anr								
Silver	anr								
Sodium	40000	43900	109.8	40000	43400	108.5	40000	42700	106.8
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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10713 Units: ug/l

Time:		13:38			14:29			15:05	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42300	105.8	40000	43300	108.3	40000	39800	99.5
Selenium	anr								
Silver	anr								
Sodium	40000	42100	105.3	40000	42500	106.3	40000	40000	100.0
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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10713 Units: ug/l

Time:		16:08			17:01			17:51	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40200	100.5	40000	40200	100.5	40000	39900	99.8
Selenium	anr								
Silver	anr								
Sodium	40000	39200	98.0	40000	39400	98.5	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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10713 Units: ug/l

Time:		18:42			18:54	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	39100	97.8	40000	39600	99.0
Selenium	anr					
Silver	anr					
Sodium	40000	39000	97.5	40000	39000	97.5
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10713 Units: ug/l

Time:		08:10	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80300	100.4
Selenium	anr		
Silver	anr		
Sodium	80000	81600	102.0
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10713 Units: ug/l

Time:			08:35		18:33	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9740	97.4	9870	98.7
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	10000	100.0	9800	98.0
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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10713 Units: ug/l

Time:			08:42		08:51		18:37		18:50	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	500000	100.0	509000	101.8	494000	98.8	491000	98.2
Antimony		1000	1.2		985	98.5	-1.8		1020	102.0
Arsenic		1000	-0.10		991	99.1	-0.30		1010	101.0
Barium		500	0.0		519	103.8	0.20		504	100.8
Beryllium		500	0.0		483	96.6	-0.10		490	98.0
Cadmium		1000	0.0		925	92.5	-0.30		906	90.6
Calcium	500000	500000	473000	94.6	473000	94.6	469000	93.8	462000	92.4
Chromium		500	-0.60		492	98.4	-0.10		465	93.0
Cobalt		500	0.40		459	91.8	0.60		452	90.4
Copper		500	0.0		524	104.8	0.50		523	104.6
Iron	200000	200000	180000	90.0	182000	91.0	182000	91.0	184000	92.0
Lead		1000	-0.40		950	95.0	-1.7		907	90.7
Magnesium	500000	500000	494000	98.8	491000	98.2	489000	97.8	484000	96.8
Manganese		500	0.70		490	98.0	0.90		482	96.4
Molybdenum		1000	-0.40		876	87.6	-0.30		906	90.6
Nickel		1000	0.0		879	87.9	0.50		899	89.9
Potassium			19.8		26.3		59.2		3.7	
Selenium		1000	0.0		959	95.9	1.7		986	98.6
Silver		1000	0.10		981	98.1	-0.10		967	96.7
Sodium			98.1		117		108		84.4	
Strontium		1000	12.0		1040	104.0	11.6		991	99.1
Thallium		1000	0.0		906	90.6	-1.6		917	91.7
Tin		1000	0.20		899	89.9	0.30		892	89.2
Titanium		1000	-1.6		964	96.4	-1.4		977	97.7
Vanadium		500	0.0		483	96.6	0.20		468	93.6
Zinc		1000	2.7		936	93.6	4.4		906	90.6

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25046
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/29/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	4.5	<200
Antimony	6.0	1.3	1.3	-2.4	<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	5.9	<1000
Chromium	10	1.8	2	0.0	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	2.9	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	6.4	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	49.0	<10000
Selenium	10	2	2	-0.10	<10
Silver	10	.5	.5		
Sodium	10000	500	500	44.4	<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 MP25046: FA3829-1, FA3829-2

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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25046
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			04/29/13					04/29/13	
Metal	FA4034-1 Original	DUP	RPD	QC Limits	FA4034-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	51.1	50.1	2.0	0-20	51.1	26500	27000	98.0	80-120
Antimony	0.0	0.0	NC	0-20	0.0	515	500	103.0	80-120
Arsenic	4.2	5.7	30.3 (a)	0-20	4.2	2040	2000	101.8	80-120
Barium	anr								
Beryllium	anr								
Cadmium	3.2	3.2	0.0	0-20	3.2	50.0	50	93.6	80-120
Calcium	249000	263000	5.5	0-20	249000	264000	25000	60.0 (b)	80-120
Chromium	0.0	0.0	NC	0-20	0.0	189	200	94.5	80-120
Cobalt	anr								
Copper	anr								
Iron	163000	174000	6.5	0-20	163000	184000	26000	80.8	80-120
Lead	anr								
Magnesium	44000	46600	5.7	0-20	44000	65600	25000	86.4	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	8610	9160	6.2	0-20	8610	34300	25000	102.8	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2060	2000	103.0	80-120
Silver	anr								
Sodium	39000	40900	4.8	0-20	39000	63200	25000	96.8	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP25046: FA3829-1, FA3829-2

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 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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25046
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/29/13

Metal	FA4034-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	51.1	26600	27000	98.3	0.4	20
Antimony	0.0	509	500	101.8	1.2	20
Arsenic	4.2	2010	2000	100.3	1.5	20
Barium	anr					
Beryllium	anr					
Cadmium	3.2	50.1	50	93.8	0.2	20
Calcium	249000	264000	25000	60.0 (a)	0.0	20
Chromium	0.0	184	200	92.0	2.7	20
Cobalt	anr					
Copper	anr					
Iron	163000	186000	26000	88.5	1.1	20
Lead	anr					
Magnesium	44000	66300	25000	89.2	1.1	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	8610	34600	25000	104.0	0.9	20
Selenium	0.0	2030	2000	101.5	1.5	20
Silver	anr					
Sodium	39000	63700	25000	98.8	0.8	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP25046: FA3829-1, FA3829-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike 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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25046
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/29/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	27100	27000	100.4	80-120
Antimony	494	500	98.8	80-120
Arsenic	1960	2000	98.0	80-120
Barium	anr			
Beryllium	anr			
Cadmium	50.2	50	100.4	80-120
Calcium	25200	25000	100.8	80-120
Chromium	206	200	103.0	80-120
Cobalt	anr			
Copper	anr			
Iron	25700	26000	98.8	80-120
Lead	anr			
Magnesium	24000	25000	96.0	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	25200	25000	100.8	80-120
Selenium	1960	2000	98.0	80-120
Silver	anr			
Sodium	25500	25000	102.0	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25046: FA3829-1, FA3829-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25046
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/29/13

Metal	FA4034-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	51.1	0.00	100.0(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	4.20	0.00	100.0(a)	0-10
Barium	anr			
Beryllium	anr			
Cadmium	3.20	0.00	100.0(a)	0-10
Calcium	249000	272000	9.0	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	anr			
Copper	anr			
Iron	163000	181000	11.0*(b)	0-10
Lead	anr			
Magnesium	44000	47100	7.1	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	8610	8680	0.9	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	39000	39400	1.1	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25046: FA3829-1, FA3829-2

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: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25046
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/29/13

Metal	Sample ml	Final ml	FA4034-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	51.1	50.078	2400	0.2	125	2500	94.0	80-120
Antimony	9.8	10	0	0	93.6	0.2	5	100	93.6	80-120
Arsenic	9.8	10	4.2	4.116	102.6	0.2	5	100	98.5	80-120
Barium										
Beryllium										
Cadmium	9.8	10	3.2	3.136	50.5	0.2	2.5	50	94.7	80-120
Calcium	9.8	10	249000	244020	250300	0.2	250	5000	125.6*(a	80-120
Chromium	9.8	10	0	0	46	0.2	2.5	50	92.0	80-120
Cobalt										
Copper										
Iron	9.8	10	163200	159936	163500	0.2	150	3000	118.8	80-120
Lead										
Magnesium	9.8	10	43960	43080.8	47360	0.2	250	5000	85.6	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	8606	8433.88	18350	0.2	500	10000	99.2	80-120
Selenium	9.8	10	0	0	96.8	0.2	5	100	96.8	80-120
Silver										
Sodium	9.8	10	39000	38220	48270	0.2	500	10000	100.5	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25046: FA3829-1, FA3829-2

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: FA3829
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	GN55346	5.0	0.60	mg/l	250	251	100.0	90-113%
Chloride	GP21504/GN55350	2.0	0.0	mg/l	50	51.6	103.2	90-110%
Fluoride	GP21541/GN55436	0.20	0.0	mg/l	2.5	2.61	104.4	90-110%
Nitrogen, Nitrate	GP21504/GN55350	0.10	0.0	mg/l	2.5	2.56	102.4	90-110%
Nitrogen, Nitrite	GP21504/GN55350	0.10	0.0	mg/l	2.5	2.66	106.4	90-110%
Phosphate, Ortho	GP21500/GN55330	0.10	0.0	mg/l	0.300	0.30	100.0	83-116%
Phosphorus, Total	GP21513/GN55368	0.10	0.0	mg/l	.300	0.28	93.1	81-118%
Solids, Total Dissolved	GN55406	100	38.0	mg/l				
Solids, Total Dissolved	GN55418	100	0.0	mg/l				
Specific Conductivity	GN55338	1.0	0.0	umhos/cm				
Sulfate	GP21504/GN55350	2.0	0.0	mg/l	50	50.4	100.8	90-110%

Associated Samples:
Batch GN55338: FA3829-1, FA3829-2
Batch GN55346: FA3829-1, FA3829-2
Batch GN55406: FA3829-1
Batch GN55418: FA3829-2
Batch GP21500: FA3829-1F, FA3829-2F
Batch GP21504: FA3829-1, FA3829-2
Batch GP21513: FA3829-1, FA3829-2
Batch GP21541: FA3829-1, FA3829-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3829
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	GN55346	FA3829-2	mg/l	0.60 U	0.0	0.0	0-20%
Phosphate, Ortho	GP21500/GN55330	FA3829-1F	mg/l	3430	3480	1.3	0-26%
Phosphorus, Total	GP21513/GN55368	FA3772-1	mg/l	0.052	0.054	3.8	0-22%
Solids, Total Dissolved	GN55406	FA3805-3	mg/l	447	446	0.2	0-5%
Solids, Total Dissolved	GN55418	FA3892-5	mg/l	243	241	0.8	0-5%
Specific Conductivity	GN55338	FA3829-1	umhos/cm	14200	14200	0.3	0-10%
pH	GN55339	FA3829-1	su	2.27	2.29	0.9	0-10%

Associated Samples:
Batch GN55338: FA3829-1, FA3829-2
Batch GN55339: FA3829-1, FA3829-2
Batch GN55346: FA3829-1, FA3829-2
Batch GN55406: FA3829-1
Batch GN55418: FA3829-2
Batch GP21500: FA3829-1F, FA3829-2F
Batch GP21513: FA3829-1, FA3829-2
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3829
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	GN55346	FA3829-2	mg/l	0.60 U	250	0.0	0.0*(a)	90-113%
Chloride	GP21504/GN55350	FA3805-2	mg/l	24.7	50	75.1	100.8	90-110%
Fluoride	GP21541/GN55436	FA3598-3	mg/l	0.35	2.5	4.0	146.0N(a)	90-110%
Nitrogen, Nitrate	GP21504/GN55350	FA3805-2	mg/l	0.050 U	2.5	2.5	100.0	90-110%
Nitrogen, Nitrite	GP21504/GN55350	FA3805-2	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Phosphate, Ortho	GP21500/GN55330	FA3829-1F	mg/l	3430	0.300	11300	104.7	83-116%
Phosphorus, Total	GP21513/GN55368	FA3772-1	mg/l	0.052	.300	0.39	111.0	81-118%
Sulfate	GP21504/GN55350	FA3805-2	mg/l	5.0	50	55.4	100.8	90-110%

Associated Samples:
Batch GN55346: FA3829-1, FA3829-2
Batch GP21500: FA3829-1F, FA3829-2F
Batch GP21504: FA3829-1, FA3829-2
Batch GP21513: FA3829-1, FA3829-2
Batch GP21541: FA3829-1, FA3829-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA3829
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	GP21504/GN55350	FA3805-2	mg/l	24.7	50	75.1	0.0	20%
Fluoride	GP21541/GN55436	FA3598-3	mg/l	0.35	2.5	4.1	2.5	20%
Nitrogen, Nitrate	GP21504/GN55350	FA3805-2	mg/l	0.050 U	2.5	2.5	0.0	20%
Nitrogen, Nitrite	GP21504/GN55350	FA3805-2	mg/l	0.050 U	2.5	2.5	4.1	20%
Phosphate, Ortho	GP21500/GN55330	FA3829-1F	mg/l	3430	0.300	11400	1.0	26%
Phosphorus, Total	GP21513/GN55368	FA3772-1	mg/l	0.052	.300	0.384	0.5	22%
Sulfate	GP21504/GN55350	FA3805-2	mg/l	5.0	50	55.3	0.2	20%

Associated Samples:
Batch GP21500: FA3829-1F, FA3829-2F
Batch GP21504: FA3829-1, FA3829-2
Batch GP21513: FA3829-1, FA3829-2
Batch GP21541: FA3829-1, FA3829-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313190401.TXT Date Analyzed: 04/19/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55350
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:24	GN55350-CCV1	1		
10:39	GP21504-MB1	1		
10:55	GP21504-B1	1		
11:42	ZZZZZZ	1		
11:58	FA3805-2	1		(sample used for QC only; not part of login FA3829)
12:14	ZZZZZZ	1		
12:30	ZZZZZZ	5		
12:46	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:18	GN55350-CCV2	1		
13:34	GN55350-CCB1	1		
13:50	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:21	FA3829-1	100		
14:37	FA3829-2	100		
15:30	GP21504-S1	1		
15:45	GP21504-S2	1		
16:01	ZZZZZZ	2		
16:17	ZZZZZZ	2		
16:33	FA3829-1	200		
16:49	FA3829-2	200		
17:05	GN55350-CCV3	1		
17:21	GN55350-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313190401.TXT Date Analyzed: 04/19/13 Methods: EPA 300/SW846 9056A
Run ID: GN55350 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55350-CCV1	Chloride	51.0	2.0	0.80	50	102.0	90-110
GN55350-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55350-CCV1	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN55350-CCV2	Chloride	51.0	2.0	0.80	50	102.0	90-110
GN55350-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55350-CCV2	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN55350-CCB1	Chloride	0.80 U	2.0	0.80			
GN55350-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55350-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55350-CCV3	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN55350-CCV3	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55350-CCV3	Sulfate	51.5	2.0	0.60	50	103.0	90-110
GN55350-CCB2	Chloride	0.80 U	2.0	0.80			
GN55350-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55350-CCB2	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213250401.TXT Date Analyzed: 04/25/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55436
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:25	GN55436-CCV1	1		
14:41	GP21541-MB1	1		
14:57	GP21541-B1	1		
15:44	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:48	ZZZZZZ	1		
17:04	ZZZZZZ	5		
17:20	GN55436-CCV2	1		
17:36	GN55436-CCB1	1		
17:51	ZZZZZZ	5		
18:07	FA3598-3	1		(sample used for QC only; not part of login FA3829)
18:23	FA3598-4	1		(sample used for QC only; not part of login FA3829)
18:39	ZZZZZZ	1		
19:11	ZZZZZZ	2000		
20:30	GN55436-CCV3	1		
20:46	GN55436-CCB2	1		
21:02	GP21541-S1	1		
21:18	GP21541-S2	1		
21:34	GP21541-S3	1		
21:50	GP21541-S4	1		
22:06	GP21478-S1	5		
22:21	GP21478-S2	5		
22:37	GN55436-CCV4	1		
22:53	GN55436-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213250401.TXT Date Analyzed: 04/25/13 Methods: EPA 300/SW846 9056A
Run ID: GN55436 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55436-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN55436-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55436-CCB1	Fluoride	0.060 U	0.20	0.060			
GN55436-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55436-CCB2	Fluoride	0.060 U	0.20	0.060			
GN55436-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55436-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213260401.TXT Date Analyzed: 04/26/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55504
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:41	GN55504-CCV1	1		
14:57	GP21561-MB1	1		
15:12	GP21561-B1	1		
16:00	ZZZZZZ	2000		
16:16	FA3829-1	2000		
16:32	FA3829-2	2000		
16:48	FA4021-1	5		(sample used for QC only; not part of login FA3829)
17:08	GP21561-S1	5		
17:24	GP21561-S2	5		
17:40	GN55504-CCV2	1		
17:56	GN55504-CCB1	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA3829
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213260401.TXT Date Analyzed: 04/26/13 Methods: EPA 300/SW846 9056A
Run ID: GN55504 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55504-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN55504-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55504-CCB1	Fluoride	0.063	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

05/06/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA4046

Sampling Date: 04/25/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

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

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA4046

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
FA4046-1	04/25/13	13:30	TP	04/26/13	AQ	Ground Water	A-34-022
FA4046-1F	04/25/13	13:30	TP	04/26/13	AQ	Groundwater Filtered	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA4046

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 5/6/2013 1:13:30 PM

1 Sample was collected on 04/25/2013 and was received at Accutest SE on 04/26/2013 properly preserved, at 2.6 Deg. C and intact. The Sample received an Accutest job number of FA4046. 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:** MP25062

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) FA4025-7DUP, FA4025-7MS, FA4025-7MSD, FA4025-7PS, FA4025-7SDL were used as the QC samples for metals.

MP25062-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA4046-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA4046-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA4046-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA4046-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA4046-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA4046-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55456

Sample(s) FA4046-1DUP was used as the QC sample for Specific Conductivity.

The following sample was run outside of holding time for method EPA 120.1: FA4046-1.

FA4046-1 for Specific Conductivity: Field analysis required. Received out of hold & analyzed by request.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21560

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) FA4047-6MS, FA4047-6MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA4046-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA4046-1 for Chloride: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21561

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) FA4021-1MS, FA4021-1MSD were used as the QC samples for Fluoride.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21552

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4046-1DUP, FA4046-1MSD were used as the QC samples for Phosphorus, Total.

GP21552-S1 for Phosphorus, Total: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Matrix: AQ **Batch ID:** GP21555

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) FA4046-1FMS, FA4046-1FMSD were used as the QC samples for Phosphate, Ortho.

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

Matrix: AQ **Batch ID:** GN55461

Sample(s) FA4030-1DUP was used as the QC sample for pH.

FA4046-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55545

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4047-2DUP, FA4047-2MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55541

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4192-1DUP was used as the QC sample for Solids, Total Dissolved.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN55541-D1. RPD acceptable due to low duplicate and sample concentrations.

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: May 6, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA4046
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 04/25/13

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4046-1	**A-34-022**					
Aluminum		1260	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.258	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		3.05	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		602	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.19	0.050	0.010	mg/l	SW846 6010C
Iron		1330	1.5	0.15	mg/l	SW846 6010C
Magnesium		930	25	0.37	mg/l	SW846 6010C
Potassium		381	50	1.0	mg/l	SW846 6010C
Sodium		735	100	5.0	mg/l	SW846 6010C
Fluoride		4590	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		3140	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved		20500	2000	200	mg/l	SM19 2540C
Specific Conductivity [b]		14500	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		11500	400	120	mg/l	EPA 300/SW846 9056A
pH [c]		2.33			su	SM 4500H B/SW 9040C
FA4046-1F	**A-34-022**					
Phosphate, Ortho		1710 J	2500	480	mg/l	EPA 365.3

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA4046-1	**Date Sampled:**	04/25/13
Matrix:	AQ - Ground Water	**Date Received:**	04/26/13
		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	1260	1.0	0.075	mg/l	5	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	0.258	0.050	0.013	mg/l	5	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	3.05	0.025	0.0025	mg/l	5	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	602	5.0	0.25	mg/l	5	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2.19	0.050	0.010	mg/l	5	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	1330	1.5	0.15	mg/l	5	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	930	25	0.37	mg/l	5	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	381	50	1.0	mg/l	5	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	735	100	5.0	mg/l	10	05/01/13	05/02/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10717
(2) Prep QC Batch: MP25062

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA4046-1	**Date Sampled:**	04/25/13
Matrix:	AQ - Ground Water	**Date Received:**	04/26/13
		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
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	05/02/13 10:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/02/13 10:00	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	05/02/13 10:00	AC	SM19 2320B
Chloride [a]	160 U	400	160	mg/l	200	04/26/13 23:12	AA	EPA 300/SW846 9056A
Fluoride	4590	400	120	mg/l	2000	04/26/13 16:00	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	10 U	20	10	mg/l	200	04/26/13 23:12	AA	EPA 300/SW846 9056A
Phosphorus, Total	3140	1000	280	mg/l	10000	04/29/13 10:00	LE	EPA 365.3
Solids, Total Dissolved	20500	2000	200	mg/l	20	05/02/13 13:30	KC	SM19 2540C
Specific Conductivity [b]	14500	1.0	1.0	umhos/cm	1	04/26/13 14:31	HH	EPA 120.1
Sulfate	11500	400	120	mg/l	200	04/26/13 23:12	AA	EPA 300/SW846 9056A
pH [c]	2.33			su	1	04/26/13 09:30	HH	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Field analysis required. 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-34-022		
Lab Sample ID:	FA4046-1F	**Date Sampled:**	04/25/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/26/13
		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	1710 J	2500	480	mg/l	25000	04/27/13 10:00	AC	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA4046

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Accutest Quote #

SKIFF#

Client / Reporting Information

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

Project Information

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

Analytical Information: SEE ATTACHED

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

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	LAB USE ONLY
1	A-34-022	04/25/13	1220	[redacted]	GW	4		X			X	X			X	

TURNAROUND TIME (Business Days)

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

Approved By: / Rush Code

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by	Date Time:	Received By:
1 [signature]	[redacted]	2 [signature]	3 [signature] 04-26-13	10:00	4 [signature]
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal In Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.6

FA4046: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA4046 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 04-26-13 1000 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8017 3228 5442

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 Willen 04-26-13 REVIEWER SIGNATURE/DATE [signature] 4/25/13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA4046: Chain of Custody

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Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

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

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

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

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:53	MA10713-STD1	1		STDA
07:57	MA10713-STD2	1		STDB
08:01	MA10713-STD3	1		STDC
08:05	MA10713-STD4	1		STDD
08:10	MA10713-HSTD1	1		
08:18	MA10713-ICV1	1		
08:30	MA10713-ICB1	1		
08:35	MA10713-CRIA1	1		
08:42	MA10713-ICSA1	1		
08:51	MA10713-ICSAB1	1		
08:59	MA10713-CCV1	1		
09:10	MA10713-CCB1	1		
09:14	MP25058-MB1	1		
09:18	MP25058-B1	1		
09:22	FA4103-1	1		(sample used for QC only; not part of login FA4046)
09:26	MP25058-D1	1		
09:31	MP25058-SD1	5		
09:35	MP25058-PS1	1		
09:39	MP25058-S1	1		
09:43	MP25058-S2	1		
09:47	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	MA10713-CCV2	1		
10:00	MA10713-CCB2	1		
10:12	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:20	ZZZZZZ	1		
10:25	ZZZZZZ	1		
10:29	ZZZZZZ	1		
10:33	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:47	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:52	ZZZZZZ	1		
10:56	MA10713-CCV3	1		
11:00	MA10713-CCB3	1		
11:05	ZZZZZZ	1		
11:09	FA3876-12	4		(sample used for QC only; not part of login FA4046)
11:13	MP25048-D1	4		
11:18	MP25048-S1	4		
11:22	MP25048-S2	4		
11:26	MP25048-PS1	4		
11:30	MP25048-SD1	20		
11:34	ZZZZZZ	4		
11:38	ZZZZZZ	2		
11:42	ZZZZZZ	2		
11:47	MA10713-CCV4	1		
11:51	MA10713-CCB4	1		
11:59	ZZZZZZ	2		
12:03	ZZZZZZ	4		
12:08	ZZZZZZ	2		
12:12	ZZZZZZ	4		
12:16	ZZZZZZ	4		
12:20	ZZZZZZ	5		
12:24	ZZZZZZ	2		
12:38	ZZZZZZ	2		
12:43	ZZZZZZ	4		
12:47	MA10713-CCV5	1		
12:51	MA10713-CCB5	1		
12:55	ZZZZZZ	2		
13:00	ZZZZZZ	5		
13:04	ZZZZZZ	5		
13:08	ZZZZZZ	5		
13:13	ZZZZZZ	5		
13:17	ZZZZZZ	5		
13:21	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:25	ZZZZZZ	5		
13:29	ZZZZZZ	5		
13:34	ZZZZZZ	20		
13:38	MA10713-CCV6	1		
13:42	MA10713-CCB6	1		
13:46	ZZZZZZ	20		
13:50	MP25062-MB1	1		
13:55	MP25062-B1	1		
13:59	FA4025-7	1		(sample used for QC only; not part of login FA4046)
14:03	MP25062-D1	1		
14:08	MP25062-SD1	5		
14:12	MP25062-PS1	1		
14:16	MP25062-S1	1		
14:20	MP25062-S2	1		
---------->	Last reportable sample/prep for job FA4046			
14:24	ZZZZZZ	1		
14:29	MA10713-CCV7	1		
14:33	MA10713-CCB7	1		
15:05	MA10713-CCV8	1		
15:12	MA10713-CCB8	1		
15:23	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:58	ZZZZZZ	1		
16:03	FA4046-1	1		
16:08	MA10713-CCV9	1		
16:12	MA10713-CCB9	1		
16:16	ZZZZZZ	1		
16:21	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:25	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:48	ZZZZZZ	1		
16:53	MP25064-MB1	1		
16:57	MP25064-B1	1		
17:01	MA10713-CCV10	1		
17:05	MA10713-CCB10	1		
17:09	FA4193-1	1		(sample used for QC only; not part of login FA4046)
17:13	MP25064-D1	1		
17:18	MP25064-SD1	5		
17:22	MP25064-PS1	1		
17:26	MP25064-S1	1		
17:30	MP25064-S2	1		
17:34	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:51	MA10713-CCV11	1		
17:55	MA10713-CCB11	1		
17:59	ZZZZZZ	1		
18:03	ZZZZZZ	1		
18:08	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:16	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:33	MA10713-CRIA2	1		
18:37	MA10713-ICSA2	1		
18:42	MA10713-CCV12	1		
18:46	MA10713-CCB12	1		
18:50	MA10713-ICSAB2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:54	MA10713-CCV13	1		
18:58	MA10713-CCB13	1		

----------> Last reportable CCB for job FA4046
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:53	MA10713-STD1	4356	36255	6965	2043
07:57	MA10713-STD2	4306	35894	7153	1922
08:01	MA10713-STD3	4120	34730	7091	1728
08:05	MA10713-STD4	3988	33563	6905	1576
08:10	MA10713-HSTD1	4006	33530	6914	1563
08:18	MA10713-ICV1	4143	34640	7124	1724
08:30	MA10713-ICB1	4395 R	36344 R	7057 R	2029 R
08:35	MA10713-CRIA1	4326	35798	7090	1947
08:42	MA10713-ICSA1	3790	30714	6776	1537
08:51	MA10713-ICSAB1	3824	30821	6701	1505
08:59	MA10713-CCV1	4200	34973	7138	1716
09:10	MA10713-CCB1	4337	36032	6955	2000
09:14	MP25058-MB1	4326	36189	6971	1993
09:18	MP25058-B1	4167	34529	6854	1793
09:22	FA4103-1	3881	32488	7315	1217
09:26	MP25058-D1	3670	31002	7126	1196 !
09:31	MP25058-SD1	3917	32829	6886	1545
09:35	MP25058-PS1	3867	32296	7157	1217
09:39	MP25058-S1	3516	29421	6578	1143 !
09:43	MP25058-S2	3496	29294	6547	1155 !
09:47	ZZZZZZ	3659	30489	6701	1223
09:52	ZZZZZZ	3686	30809	6769	1219
09:56	MA10713-CCV2	4203	34744	6767	1705
10:00	MA10713-CCB2	4344	36327	6911	2003
10:12	ZZZZZZ	3708	30892	6757	1238
10:16	ZZZZZZ	3417	28453	6293	1141 !
10:20	ZZZZZZ	6101 !	50546 !	9809 !	1809
10:25	ZZZZZZ	4669	39213	7752	1756
10:29	ZZZZZZ	5090	42104	7849	1898
10:33	ZZZZZZ	4422	37376	7419	1831
10:38	ZZZZZZ	6549 !	53731 !	10598 !	1674
10:43	ZZZZZZ	6399 !	52816 !	10385 !	1684
10:47	ZZZZZZ	6026 !	49335 !	9379 !	1751

INTERNAL STANDARD SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
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	ZZZZZZ	5806 !	47537 !	8892 !	1757
10:56	MA10713-CCV3	4236	34778	6482	1702
11:00	MA10713-CCB3	4423	36321	6550	2013
11:05	ZZZZZZ	5922 !	48886 !	9437 !	1715
11:09	FA3876-12	4926	40502	7574	1804
11:13	MP25048-D1	4979	40730	7610	1814
11:18	MP25048-S1	5013	40756	7728	1789
11:22	MP25048-S2	4921	40099	7525	1793
11:26	MP25048-PS1	4967	40521	7518	1800
11:30	MP25048-SD1	4520	37312	6743	1929
11:34	ZZZZZZ	4635	38052	7050	1889
11:38	ZZZZZZ	5156	42315	7938	1832
11:42	ZZZZZZ	5161	42442	8068	1847
11:47	MA10713-CCV4	4176	34555	6471	1710
11:51	MA10713-CCB4	4327	35938	6438	2000
11:59	ZZZZZZ	5090	41888	7964	1805
12:03	ZZZZZZ	4943	40725	7634	1864
12:08	ZZZZZZ	5395	44036	8334	1820
12:12	ZZZZZZ	4957	40508	7518	1858
12:16	ZZZZZZ	4954	40662	7583	1856
12:20	ZZZZZZ	4427	36271	7082	1628
12:24	ZZZZZZ	4722	38886	7651	1631
12:38	ZZZZZZ	5047	41515	7759	1853
12:43	ZZZZZZ	4783	39414	7305	1872
12:47	MA10713-CCV5	4186	34611	6476	1712
12:51	MA10713-CCB5	4421	36526	6594	2046
12:55	ZZZZZZ	4606	37752	7168	1884
13:00	ZZZZZZ	4585	37063	7045	1814
13:04	ZZZZZZ	4610	37355	7033	1803
13:08	ZZZZZZ	4706	38090	7225	1849
13:13	ZZZZZZ	4507	36354	6877	1856
13:17	ZZZZZZ	4891	40866	7496	1957
13:21	ZZZZZZ	5030	42042	7771	1973

INTERNAL STANDARD SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:25	ZZZZZZ	4511	37454	7052	1704
13:29	ZZZZZZ	4634	38409	7185	1749
13:34	ZZZZZZ	4441	36279	6789	1806
13:38	MA10713-CCV6	4153	34194	6464	1697
13:42	MA10713-CCB6	4318	36186	6577	2006
13:46	ZZZZZZ	4435	37004	6903	1809
13:50	MP25062-MB1	4313	36201	6516	2010
13:55	MP25062-B1	4191	34823	6403	1811
13:59	FA4025-7	4066	34047	6363	1787
14:03	MP25062-D1	4118	34470	6554	1804
14:08	MP25062-SD1	4205	35200	6553	1928
14:12	MP25062-PS1	4068	34023	6442	1769
14:16	MP25062-S1	4051	33818	6385	1701
14:20	MP25062-S2	4076	33875	6469	1712
14:24	ZZZZZZ	4103	34349	6623	1720
14:29	MA10713-CCV7	4082	34140	6445	1705
14:33	MA10713-CCB7	4264	35845	6388	2009
15:05	MA10713-CCV8	4082	33809	6381	1701
15:12	MA10713-CCB8	4229	35713	6499	2019
15:23	ZZZZZZ	3967	33470	6379	1666
15:27	ZZZZZZ	4004	33785	6444	1687
15:32	ZZZZZZ	3832	32364	6436	1506
15:36	ZZZZZZ	3820	32508	6272	1684
15:40	ZZZZZZ	3946	33694	6441	1774
15:45	ZZZZZZ	3783	32117	6184	1664
15:49	ZZZZZZ	3896	32709	6267	1699
15:54	ZZZZZZ	3946	33297	6306	1763
15:58	ZZZZZZ	3768	32386	6322	1793
16:03	FA4046-1	No results reported for the elements associated with this internal standard.			
16:08	MA10713-CCV9	4047	34028	6454	1717
16:12	MA10713-CCB9	4249	35749	6399	2012
16:16	ZZZZZZ	3877	32680	6271	1678
16:21	ZZZZZZ	3924	33201	6325	1723

INTERNAL STANDARD SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:25	ZZZZZZ	3988	33849	6399	1759
16:30	ZZZZZZ	3810	32252	6289	1655
16:34	ZZZZZZ	3911	33086	6258	1730
16:39	ZZZZZZ	3894	32848	6320	1699
16:43	ZZZZZZ	3879	32647	6319	1662
16:48	ZZZZZZ	3873	32674	6302	1694
16:53	MP25064-MB1	4256	35811	6475	2041
16:57	MP25064-B1	4121	34320	6366	1814
17:01	MA10713-CCV10	4069	33931	6389	1725
17:05	MA10713-CCB10	4236	35520	6430	2024
17:09	FA4193-1	4249	35620	6608	1978
17:13	MP25064-D1	4243	35346	6507	1967
17:18	MP25064-SD1	4234	35507	6432	1992
17:22	MP25064-PS1	4209	35119	6630	1909
17:26	MP25064-S1	4086	34289	6703	1790
17:30	MP25064-S2	4118	34460	6475	1781
17:34	ZZZZZZ	4194	35087	6521	1913
17:38	ZZZZZZ	4152	34792	6489	1894
17:42	ZZZZZZ	4173	35268	6698	1897
17:47	ZZZZZZ	4123	34627	6518	1893
17:51	MA10713-CCV11	4078	33933	6314	1703
17:55	MA10713-CCB11	4287	35860	6511	2015
17:59	ZZZZZZ	4171	34902	6503	1900
18:03	ZZZZZZ	4163	34744	6595	1905
18:08	ZZZZZZ	4152	34317	6506	1903
18:12	ZZZZZZ	4174	34894	6525	1916
18:16	ZZZZZZ	4179	34790	6539	1901
18:20	ZZZZZZ	4335	36131	6746	1952
18:33	MA10713-CRIA2	4196	35336	6633	1959
18:37	MA10713-ICSA2	3742	30771	6250	1528
18:42	MA10713-CCV12	4089	33902	6386	1703
18:46	MA10713-CCB12	4284	35778	6472	2011
18:50	MA10713-ICSAB2	3746	30667	6283	1516

INTERNAL STANDARD SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10713
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:54	MA10713-CCV13	4049	34014	6415	1698
18:58	MA10713-CCB13	4266	35756	6401	2003

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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10713 Units: ug/l

Time:			08:30		09:10		10:00		11:00	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.6	<200	10.0	<200	7.2	<200	10.2	<200
Antimony	6.0	1.3	0.70	<6.0	0.20	<6.0	0.0	<6.0	-0.50	<6.0
Arsenic	10	1.6	0.10	<10	0.50	<10	0.60	<10	0.40	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	4.9	<1000	11.8	<1000	39.6	<1000	14.8	<1000
Chromium	10	1.8	-0.10	<10	-0.30	<10	-0.10	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	3.2	<300	6.1	<300	8.0	<300	12.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	9.0	<5000	8.7	<5000	2.1	<5000	14.7	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	11.1	<10000	14.8	<10000	22.3	<10000	17.7	<10000
Selenium	10	2	-0.20	<10	0.70	<10	0.40	<10	-0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	7.9	<10000	11.2	<10000	32.2	<10000	20.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10713 Units: ug/l

Time:			11:51		12:51		13:42		14:33	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-0.50	<200	0.60	<200	4.3	<200	10.2	<200
Antimony	6.0	1.3	0.20	<6.0	-1.0	<6.0	0.30	<6.0	0.80	<6.0
Arsenic	10	1.6	-0.20	<10	0.50	<10	0.70	<10	1.2	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.0	<5.0	0.0	<5.0	0.20	<5.0
Calcium	1000	50	8.8	<1000	7.0	<1000	7.5	<1000	14.4	<1000
Chromium	10	1.8	0.10	<10	-0.10	<10	-0.10	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.3	<300	6.7	<300	6.5	<300	12.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.0	<5000	7.3	<5000	10.0	<5000	-6.0	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	28.8	<10000	19.0	<10000	27.7	<10000	23.4	<10000
Selenium	10	2	1.1	<10	0.10	<10	-0.10	<10	0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	10.7	<10000	5.3	<10000	11.6	<10000	20.6	<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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10713 Units: ug/l

Time:			15:12		16:12		17:05		17:55	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-4.5	<200	6.3	<200	-1.7	<200	4.0	<200
Antimony	6.0	1.3	0.60	<6.0	0.90	<6.0	0.60	<6.0	-0.10	<6.0
Arsenic	10	1.6	0.30	<10	0.40	<10	-0.10	<10	0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	1.6	<1000	7.5	<1000	2.4	<1000	9.0	<1000
Chromium	10	1.8	0.0	<10	0.20	<10	0.20	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	3.1	<300	18.6	<300	7.5	<300	13.7	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.0	<5000	8.7	<5000	-9.0	<5000	-1.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	38.7	<10000	111	<10000	18.0	<10000	25.6	<10000
Selenium	10	2	-0.20	<10	-0.20	<10	1.2	<10	1.4	<10
Silver	10	.5	anr							
Sodium	10000	500	2.6	<10000	41.3	<10000	10.8	<10000	13.4	<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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10713 Units: ug/l

Time:			18:46		18:58	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	2.3	<200	2.9	<200
Antimony	6.0	1.3	-0.30	<6.0	-0.70	<6.0
Arsenic	10	1.6	-0.10	<10	-0.30	<10
Barium	200	1	anr			
Beryllium	4.0	.5	anr			
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0
Calcium	1000	50	8.0	<1000	7.8	<1000
Chromium	10	1.8	0.30	<10	0.10	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	10.4	<300	10.0	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	12.7	<5000	6.3	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	26.1	<10000	8.8	<10000
Selenium	10	2	0.10	<10	0.20	<10
Silver	10	.5	anr			
Sodium	10000	500	8.4	<10000	0.70	<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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10713 Units: ug/l

Time:		08:18			08:59			09:56	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	39000	97.5	40000	40700	101.8
Antimony	2000	2000	100.0	2000	1940	97.0	2000	1930	96.5
Arsenic	2000	1990	99.5	2000	1940	97.0	2000	1940	97.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2010	100.5	2000	2030	101.5
Calcium	40000	40200	100.5	40000	39200	98.0	40000	40400	101.0
Chromium	2000	2040	102.0	2000	2020	101.0	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	38900	97.3	40000	37900	94.8	40000	38200	95.5
Lead	anr								
Magnesium	40000	37800	94.5	40000	38100	95.3	40000	38300	95.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39200	98.0	40000	38300	95.8	40000	41200	103.0
Selenium	2000	2010	100.5	2000	1950	97.5	2000	1930	96.5
Silver	anr								
Sodium	40000	40400	101.0	40000	39300	98.3	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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10713 Units: ug/l

Time:		10:56			11:47			12:47	
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	39800	99.5
Antimony	2000	1890	94.5	2000	1940	97.0	2000	1940	97.0
Arsenic	2000	1920	96.0	2000	1950	97.5	2000	1950	97.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2050	102.5	2000	2030	101.5
Calcium	40000	40500	101.3	40000	40300	100.8	40000	40000	100.0
Chromium	2000	2090	104.5	2000	2080	104.0	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	38900	97.3	40000	39700	99.3	40000	39200	98.0
Lead	anr								
Magnesium	40000	39200	98.0	40000	39500	98.8	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42600	106.5	40000	43000	107.5	40000	42500	106.3
Selenium	2000	1910	95.5	2000	1940	97.0	2000	1940	97.0
Silver	anr								
Sodium	40000	43900	109.8	40000	43400	108.5	40000	42700	106.8
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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10713 Units: ug/l

Time:		13:38			14:29			15:05	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39800	99.5	40000	39800	99.5
Antimony	2000	1950	97.5	2000	2010	100.5	2000	2000	100.0
Arsenic	2000	1970	98.5	2000	2010	100.5	2000	1990	99.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2050	102.5	2000	2030	101.5
Calcium	40000	39700	99.3	40000	40000	100.0	40000	40400	101.0
Chromium	2000	2070	103.5	2000	2060	103.0	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	38900	97.3	40000	40300	100.8	40000	40100	100.3
Lead	anr								
Magnesium	40000	38900	97.3	40000	39700	99.3	40000	40000	100.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42300	105.8	40000	43300	108.3	40000	39800	99.5
Selenium	2000	1950	97.5	2000	2000	100.0	2000	1990	99.5
Silver	anr								
Sodium	40000	42100	105.3	40000	42500	106.3	40000	40000	100.0
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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10713 Units: ug/l

Time:		16:08			17:01			17:51	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39700	99.3	40000	40000	100.0
Antimony	2000	2040	102.0	2000	2020	101.0	2000	1980	99.0
Arsenic	2000	2020	101.0	2000	2000	100.0	2000	1980	99.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2000	100.0	2000	2020	101.0
Calcium	40000	40100	100.3	40000	40200	100.5	40000	40700	101.8
Chromium	2000	1990	99.5	2000	1980	99.0	2000	2000	100.0
Cobalt	anr								
Copper	anr								
Iron	40000	40800	102.0	40000	40900	102.3	40000	40700	101.8
Lead	anr								
Magnesium	40000	40000	100.0	40000	40000	100.0	40000	40100	100.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40200	100.5	40000	40200	100.5	40000	39900	99.8
Selenium	2000	2030	101.5	2000	2020	101.0	2000	1990	99.5
Silver	anr								
Sodium	40000	39200	98.0	40000	39400	98.5	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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10713 Units: ug/l

Time:		18:42			18:54	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	39300	98.3
Antimony	2000	1980	99.0	2000	2020	101.0
Arsenic	2000	1970	98.5	2000	2000	100.0
Barium	anr					
Beryllium	anr					
Cadmium	2000	2020	101.0	2000	2030	101.5
Calcium	40000	40000	100.0	40000	40100	100.3
Chromium	2000	2000	100.0	2000	1990	99.5
Cobalt	anr					
Copper	anr					
Iron	40000	39500	98.8	40000	40200	100.5
Lead	anr					
Magnesium	40000	39400	98.5	40000	39700	99.3
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	39100	97.8	40000	39600	99.0
Selenium	2000	1970	98.5	2000	2010	100.5
Silver	anr					
Sodium	40000	39000	97.5	40000	39000	97.5
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10713 Units: ug/l

Time:		08:10	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	81400	101.8
Antimony	4000	3950	98.8
Arsenic	4000	3960	99.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3970	99.3
Calcium	80000	80500	100.6
Chromium	4000	4020	100.5
Cobalt	anr		
Copper	anr		
Iron	80000	79400	99.3
Lead	anr		
Magnesium	80000	80300	100.4
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80300	100.4
Selenium	4000	3950	98.8
Silver	anr		
Sodium	80000	81600	102.0
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10713 Units: ug/l

Time:			08:35		18:33	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	214	107.0	203	101.5
Antimony	10	5.0	4.6	92.0	4.5	90.0
Arsenic	20	10	10.1	101.0	9.5	95.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.1	102.0
Calcium	2000	1000	1040	104.0	1020	102.0
Chromium	20	10	10.3	103.0	10.2	102.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	304	101.3	313	104.3
Lead	10	5.0	anr			
Magnesium	10000	5000	4920	98.4	4810	96.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9740	97.4	9870	98.7
Selenium	20	10	9.3	93.0	10.2	102.0
Silver	20	10	anr			
Sodium	20000	10000	10000	100.0	9800	98.0
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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050113M1.ICP Date Analyzed: 05/01/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10713 Units: ug/l

Time:			08:42		08:51		18:37		18:50	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	500000	100.0	509000	101.8	494000	98.8	491000	98.2
Antimony		1000	1.2		985	98.5	-1.8		1020	102.0
Arsenic		1000	-0.10		991	99.1	-0.30		1010	101.0
Barium		500	0.0		519	103.8	0.20		504	100.8
Beryllium		500	0.0		483	96.6	-0.10		490	98.0
Cadmium		1000	0.0		925	92.5	-0.30		906	90.6
Calcium	500000	500000	473000	94.6	473000	94.6	469000	93.8	462000	92.4
Chromium		500	-0.60		492	98.4	-0.10		465	93.0
Cobalt		500	0.40		459	91.8	0.60		452	90.4
Copper		500	0.0		524	104.8	0.50		523	104.6
Iron	200000	200000	180000	90.0	182000	91.0	182000	91.0	184000	92.0
Lead		1000	-0.40		950	95.0	-1.7		907	90.7
Magnesium	500000	500000	494000	98.8	491000	98.2	489000	97.8	484000	96.8
Manganese		500	0.70		490	98.0	0.90		482	96.4
Molybdenum		1000	-0.40		876	87.6	-0.30		906	90.6
Nickel		1000	0.0		879	87.9	0.50		899	89.9
Potassium			19.8		26.3		59.2		3.7	
Selenium		1000	0.0		959	95.9	1.7		986	98.6
Silver		1000	0.10		981	98.1	-0.10		967	96.7
Sodium			98.1		117		108		84.4	
Strontium		1000	12.0		1040	104.0	11.6		991	99.1
Thallium		1000	0.0		906	90.6	-1.6		917	91.7
Tin		1000	0.20		899	89.9	0.30		892	89.2
Titanium		1000	-1.6		964	96.4	-1.4		977	97.7
Vanadium		500	0.0		483	96.6	0.20		468	93.6
Zinc		1000	2.7		936	93.6	4.4		906	90.6

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10717
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:24	MA10717-STD1	1		STDA
08:28	MA10717-STD2	1		STDB
08:32	MA10717-STD3	1		STDC
08:36	MA10717-STD4	1		STDD
08:42	MA10717-HSTD1	1		
08:49	MA10717-ICV1	1		
08:56	MA10717-ICB1	1		
08:59	MA10717-CRIA1	1		
09:08	MA10717-ICSA1	1		
09:15	MA10717-ICSAB1	1		
09:23	MA10717-CCV1	1		
09:31	MA10717-CCB1	1		
09:35	MP25065-MB1	1		
09:40	MP25065-B1	1		
10:11	ZZZZZZ	1		
10:15	ZZZZZZ	1		
10:20	MA10717-CCV2	1		
10:24	MA10717-CCB2	1		
10:28	ZZZZZZ	1		
10:32	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:45	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:58	ZZZZZZ	1		
11:02	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:11	MA10717-CCV3	1		
11:15	MA10717-CCB3	1		
11:19	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:27	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10717
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:32	ZZZZZZ	1		
11:36	ZZZZZZ	1		
11:40	ZZZZZZ	1		
11:48	FA4050-8	40		(sample used for QC only; not part of login FA4046)
11:53	MP25063-D1	40		
11:57	MP25063-S1	40		
12:01	MA10717-CCV4	1		
12:05	MA10717-CCB4	1		
12:09	MP25063-S2	40		
12:13	MP25063-PS1	40		
12:17	MP25063-SD1	200		
12:22	ZZZZZZ	4		
12:26	ZZZZZZ	200		
12:30	ZZZZZZ	4		
12:35	ZZZZZZ	200		
12:39	ZZZZZZ	4		
12:44	ZZZZZZ	200		
12:48	ZZZZZZ	4		
12:53	MA10717-CCV5	1		
12:57	MA10717-CCB5	1		
13:01	ZZZZZZ	200		
13:06	ZZZZZZ	4		
13:10	ZZZZZZ	200		
13:14	ZZZZZZ	4		
13:19	ZZZZZZ	200		
13:23	ZZZZZZ	4		
13:28	ZZZZZZ	200		
13:32	ZZZZZZ	2		
13:37	ZZZZZZ	20		
13:41	ZZZZZZ	2		
13:46	MA10717-CCV6	1		
13:50	MA10717-CCB6	1		
14:21	MA10717-CCV7	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10717
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:29	MA10717-CCB7	1		
14:32	ZZZZZZ	200		
14:37	ZZZZZZ	4		
14:41	ZZZZZZ	200		
14:46	ZZZZZZ	4		
14:50	ZZZZZZ	200		
14:55	ZZZZZZ	5		
14:59	ZZZZZZ	200		
15:03	FA4103-1	20		(sample used for QC only; not part of login FA4046)
15:08	MP25058-D1	20		
15:12	MP25058-S1	20		
15:17	MA10717-CCV8	1		
15:21	MA10717-CCB8	1		
15:25	MP25058-S2	20		
15:30	MP25058-PS1	20		
15:34	MP25058-SD1	100		
15:38	ZZZZZZ	20		
15:43	ZZZZZZ	20		
15:47	ZZZZZZ	20		
15:52	ZZZZZZ	20		
15:56	ZZZZZZ	2		
16:00	ZZZZZZ	10		
16:04	ZZZZZZ	4		
16:09	MA10717-CCV9	1		
16:13	MA10717-CCB9	1		
16:17	ZZZZZZ	4		
16:21	ZZZZZZ	4		
16:26	ZZZZZZ	4		
16:30	ZZZZZZ	4		
16:34	ZZZZZZ	4		
16:38	ZZZZZZ	5		
16:42	ZZZZZZ	5		
16:47	FA4046-1	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10717
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:51	FA4046-1	5		
---------->	Last reportable sample/prep for job FA4046				
	16:56	MP25073-MB1	1		
	17:00	MA10717-CCV10	1		
	17:04	MA10717-CCB10	1		
	17:08	MP25073-B1	1		
	17:12	FA4211-1L	1		(sample used for QC only; not part of login FA4046)
	17:17	MP25073-D1	1		
	17:21	MP25073-SD1	1		
	17:25	MP25073-S1	1		
	17:29	MP25073-S2	1		
	17:33	FA4160-1L	1		(sample used for QC only; not part of login FA4046)
	17:38	ZZZZZZ	1		
	17:42	ZZZZZZ	1		
	17:46	ZZZZZZ	1		
	17:51	MA10717-CCV11	1		
	17:55	MA10717-CCB11	1		
	17:59	ZZZZZZ	1		
	18:04	MP25073-D2	1		
	18:08	MP25073-MB2	1		
	18:12	MP25073-B2	1		
	18:42	MA10717-CCV12	1		
	18:46	MA10717-CCB12	1		
	18:50	MA10717-CRIA2	1		
	18:54	MA10717-ICSA2	1		
	18:59	MA10717-ICSAB2	1		
	19:03	MA10717-CCV13	1		
	19:07	MA10717-CCB13	1		
---------->	Last reportable CCB for job FA4046				

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10717
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:24	MA10717-STD1	4549	34385	6539	2087
08:28	MA10717-STD2	4524	33715	6464	1962
08:32	MA10717-STD3	4334	32401	6390	1745
08:36	MA10717-STD4	4244	32029	6533	1610
08:42	MA10717-HSTD1	4177	31663	6422	1595
08:49	MA10717-ICV1	4341	32501	6399	1745
08:56	MA10717-ICB1	4586 R	34335 R	6632 R	2087 R
08:59	MA10717-CRIA1	4497	33776	6562	2002
09:08	MA10717-ICSA1	4022	29299	6279	1574
09:15	MA10717-ICSAB1	4026	29256	6254	1547
09:23	MA10717-CCV1	4364	32559	6448	1741
09:31	MA10717-CCB1	4591	34216	6384	2059
09:35	MP25065-MB1	4567	34293	6604	2052
09:40	MP25065-B1	4381	32935	6540	1822
10:11	ZZZZZZ	4387	33235	6529	1919
10:15	ZZZZZZ	4504	34191	6493	1974
10:20	MA10717-CCV2	4438	33273	6453	1773
10:24	MA10717-CCB2	4561	34508	6557	2073
10:28	ZZZZZZ	4412	33713	6511	1957
10:32	ZZZZZZ	4458	33981	6400	1969
10:36	ZZZZZZ	4359	33231	6388	1913
10:41	ZZZZZZ	4434	33860	6462	1953
10:45	ZZZZZZ	4472	34320	6574	1993
10:49	ZZZZZZ	4446	34051	6473	1985
10:53	ZZZZZZ	4207	31852	6279	1748
10:58	ZZZZZZ	4201	31704	6306	1740
11:02	ZZZZZZ	4436	33912	6681	1984
11:06	ZZZZZZ	4439	33768	6514	1981
11:11	MA10717-CCV3	4352	32763	6336	1742
11:15	MA10717-CCB3	4551	34387	6391	2069
11:19	ZZZZZZ	4577	34155	6699	2078
11:23	ZZZZZZ	4544	34605	6562	2065
11:27	ZZZZZZ	4481	34330	6593	1983

INTERNAL STANDARD SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10717
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:32	ZZZZZZ	4430	33640	6443	1967
11:36	ZZZZZZ	4415	33822	6610	1949
11:40	ZZZZZZ	4381	33678	6574	1937
11:48	FA4050-8	5715	43085	8039	1993
11:53	MP25063-D1	5545	41700	7802	1975
11:57	MP25063-S1	5585	41920	7886	1987
12:01	MA10717-CCV4	4417	33131	6555	1769
12:05	MA10717-CCB4	4556	34390	6520	2076
12:09	MP25063-S2	5617	42270	7972	1996
12:13	MP25063-PS1	5618	42294	7903	1967
12:17	MP25063-SD1	4819	36248	6783	2054
12:22	ZZZZZZ	3510	24333	5534	1328
12:26	ZZZZZZ	4362	32749	6418	1901
12:30	ZZZZZZ	3391	24962	5765	1256
12:35	ZZZZZZ	4345	32790	6376	1874
12:39	ZZZZZZ	3784	27918	6018	1480
12:44	ZZZZZZ	4452	33606	6400	1987
12:48	ZZZZZZ	3669	27028	5964	1416
12:53	MA10717-CCV5	4252	32204	6353	1735
12:57	MA10717-CCB5	4500	34124	6398	2063
13:01	ZZZZZZ	4393	33088	6284	1947
13:06	ZZZZZZ	3872	28673	6047	1525
13:10	ZZZZZZ	4465	33799	6444	2006
13:14	ZZZZZZ	3748	27813	6041	1469
13:19	ZZZZZZ	4380	33382	6425	1965
13:23	ZZZZZZ	3709	27599	5980	1474
13:28	ZZZZZZ	4393	33330	6332	1980
13:32	ZZZZZZ	3993	30467	6180	1638
13:37	ZZZZZZ	4345	33206	6364	1950
13:41	ZZZZZZ	3495	26128	5822	1352
13:46	MA10717-CCV6	4272	32752	6492	1770
13:50	MA10717-CCB6	4445	34109	6421	2091
14:21	MA10717-CCV7	4318	32883	6433	1791

INTERNAL STANDARD SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10717
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:29	MA10717-CCB7	4486	34095	6412	2110
14:32	ZZZZZZ	4397	33698	6404	2013
14:37	ZZZZZZ	3793	28528	6121	1535
14:41	ZZZZZZ	4347	33527	6407	2009
14:46	ZZZZZZ	3751	28286	5991	1520
14:50	ZZZZZZ	4347	33211	6328	2013
14:55	ZZZZZZ	3575	26842	5923	1418
14:59	ZZZZZZ	4256	32737	6338	1938
15:03	FA4103-1	4153	32441	6368	1835
15:08	MP25058-D1	4110	31751	6235	1813
15:12	MP25058-S1	4127	31899	6191	1804
15:17	MA10717-CCV8	4241	32357	6314	1782
15:21	MA10717-CCB8	4411	33812	6300	2097
15:25	MP25058-S2	4123	31961	6280	1811
15:30	MP25058-PS1	4178	32286	6258	1844
15:34	MP25058-SD1	4358	33899	6460	2041
15:38	ZZZZZZ	4126	31882	6235	1844
15:43	ZZZZZZ	4187	32383	6211	1856
15:47	ZZZZZZ	4157	32206	6262	1852
15:52	ZZZZZZ	4076	31474	6206	1798
15:56	ZZZZZZ	5168	40102	7871	1901
16:00	ZZZZZZ	4430	34008	6492	2006
16:04	ZZZZZZ	4339	33328	6495	1958
16:09	MA10717-CCV9	4191	32181	6232	1773
16:13	MA10717-CCB9	4389	33910	6277	2099
16:17	ZZZZZZ	4909	37821	7424	1867
16:21	ZZZZZZ	4786	37119	7240	1853
16:26	ZZZZZZ	4766	36824	7015	1919
16:30	ZZZZZZ	4725	36168	6827	1934
16:34	ZZZZZZ	4809	36907	7091	1924
16:38	ZZZZZZ	5213	40037	7733	1985
16:42	ZZZZZZ	4209	32837	6265	1972
16:47	FA4046-1	4558	34534	6714	1818

INTERNAL STANDARD SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10717
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:51	FA4046-1	4821	36566	7407	1709
16:56	MP25073-MB1	4435	34377	6373	2125
17:00	MA10717-CCV10	4216	32513	6339	1800
17:04	MA10717-CCB10	4325	33301	6172	2082
17:08	MP25073-B1	4293	33051	6283	1904
17:12	FA4211-1L	4171	31957	6257	1840
17:17	MP25073-D1	4193	32338	6275	1854
17:21	MP25073-SD1	4293	33099	6237	1981
17:25	MP25073-S1	4123	31556	6135	1769
17:29	MP25073-S2	4086	31492	6174	1756
17:33	FA4160-1L	4192	32163	6292	1879
17:38	ZZZZZZ	4143	31984	6220	1829
17:42	ZZZZZZ	4191	32402	6230	1859
17:46	ZZZZZZ	4256	32424	6287	1904
17:51	MA10717-CCV11	4183	32279	6216	1782
17:55	MA10717-CCB11	4387	34000	6358	2116
17:59	ZZZZZZ	4148	32068	6193	1878
18:04	MP25073-D2	4153	31828	6167	1853
18:08	MP25073-MB2	4217	32247	6206	1885
18:12	MP25073-B2	4168	31943	6262	1793
18:42	MA10717-CCV12	4259	32883	6390	1805
18:46	MA10717-CCB12	4380	33909	6358	2111
18:50	MA10717-CRIA2	4309	33235	6275	2025
18:54	MA10717-ICSA2	3848	28661	6017	1592
18:59	MA10717-ICSAB2	3835	28694	6022	1573
19:03	MA10717-CCV13	4209	32136	6324	1780
19:07	MA10717-CCB13	4359	33734	6372	2099

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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10717 Units: ug/l

Time:			08:56		09:31		10:24		11:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	10.9	<200	13.4	<200	3.8	<200	13.0	<200
Antimony	6.0	1.3	0.40	<6.0	-0.50	<6.0	-0.50	<6.0	-0.60	<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	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	1.2	<1000	5.2	<1000	-1.8	<1000	3.4	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	0.0	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	1.7	<300	6.4	<300	1.3	<300	5.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-5.4	<5000	-3.3	<5000	-5.2	<5000	-2.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	8.1	<10000	13.9	<10000	-1.9	<10000	20.0	<10000
Selenium	10	2	0.70	<10	-0.50	<10	-0.40	<10	0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	6.4	<10000	8.4	<10000	20.3	<10000	26.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10717 Units: ug/l

Time:			12:05		12:57		13:50		14:29	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.9	<200	10.6	<200	10.0	<200	-2.0	<200
Antimony	6.0	1.3	-0.80	<6.0	-1.5	<6.0	-0.40	<6.0	0.10	<6.0
Arsenic	10	1.6	0.0	<10	-0.20	<10	0.60	<10	-0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	0.30	<1000	1.0	<1000	2.7	<1000	2.7	<1000
Chromium	10	1.8	-0.10	<10	-0.10	<10	0.20	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	3.6	<300	6.4	<300	5.3	<300	4.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-13	<5000	-17	<5000	-7.7	<5000	2.6	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	11.5	<10000	56.3	<10000	60.8	<10000	-45	<10000
Selenium	10	2	0.70	<10	1.2	<10	-0.40	<10	-1.1	<10
Silver	10	.5	anr							
Sodium	10000	500	25.4	<10000	285	<10000	311	<10000	-120	<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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10717 Units: ug/l

Time:			15:21		16:13		17:04		17:55	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	12.5	<200	18.1	<200	12.1	<200	2.5	<200
Antimony	6.0	1.3	0.50	<6.0	1.3	<6.0	0.90	<6.0	0.50	<6.0
Arsenic	10	1.6	0.0	<10	0.70	<10	0.0	<10	0.90	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	7.4	<1000	11.1	<1000	6.1	<1000	6.2	<1000
Chromium	10	1.8	-0.10	<10	0.60	<10	0.20	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	9.8	<300	19.3	<300	11.3	<300	11.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.4	<5000	6.3	<5000	2.7	<5000	28.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-18	<10000	-21	<10000	-1.9	<10000	3.1	<10000
Selenium	10	2	-1.2	<10	-0.40	<10	0.20	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	-72	<10000	-150	<10000	-140	<10000	-120	<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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10717 Units: ug/l

Time:			18:46		19:07	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	14.4	<200	7.6	<200
Antimony	6.0	1.3	0.80	<6.0	0.50	<6.0
Arsenic	10	1.6	0.80	<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
Calcium	1000	50	8.4	<1000	5.8	<1000
Chromium	10	1.8	0.20	<10	0.30	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	13.3	<300	11.4	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	9.3	<5000	18.3	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	31.3	<10000	5.4	<10000
Selenium	10	2	-0.60	<10	0.50	<10
Silver	10	.5	anr			
Sodium	10000	500	-37	<10000	-130	<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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10717 Units: ug/l

Time:		08:49			09:23			10:20	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40700	101.8	40000	40400	101.0	40000	40500	101.3
Antimony	2000	2000	100.0	2000	2020	101.0	2000	1970	98.5
Arsenic	2000	2000	100.0	2000	2020	101.0	2000	1960	98.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2050	102.5	2000	2020	101.0
Calcium	40000	41600	104.0	40000	40700	101.8	40000	40400	101.0
Chromium	2000	2050	102.5	2000	2050	102.5	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	40300	100.8	40000	40600	101.5	40000	38900	97.3
Lead	anr								
Magnesium	40000	39600	99.0	40000	40600	101.5	40000	39600	99.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40600	101.5	40000	40500	101.3	40000	40000	100.0
Selenium	2000	2020	101.0	2000	2030	101.5	2000	1970	98.5
Silver	anr								
Sodium	40000	41800	104.5	40000	40600	101.5	40000	40900	102.3
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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10717 Units: ug/l

Time:		11:11			12:01			12:53	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41700	104.3	40000	40200	100.5	40000	41300	103.3
Antimony	2000	2020	101.0	2000	2010	100.5	2000	2110	105.5
Arsenic	2000	2010	100.5	2000	2000	100.0	2000	2080	104.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2030	101.5	2000	2070	103.5
Calcium	40000	41700	104.3	40000	40200	100.5	40000	41200	103.0
Chromium	2000	2060	103.0	2000	2030	101.5	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	40000	100.0	40000	39400	98.5	40000	41200	103.0
Lead	anr								
Magnesium	40000	41000	102.5	40000	39600	99.0	40000	41100	102.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41300	103.3	40000	40000	100.0	40000	41800	104.5
Selenium	2000	2020	101.0	2000	2010	100.5	2000	2110	105.5
Silver	anr								
Sodium	40000	42200	105.5	40000	40500	101.3	40000	40900	102.3
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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10717 Units: ug/l

Time:		13:46			14:21			15:17	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	39100	97.8	40000	40000	100.0
Antimony	2000	2130	106.5	2000	1970	98.5	2000	2020	101.0
Arsenic	2000	2100	105.0	2000	1960	98.0	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	1990	99.5	2000	2030	101.5
Calcium	40000	40000	100.0	40000	39400	98.5	40000	40400	101.0
Chromium	2000	2000	100.0	2000	2000	100.0	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	41100	102.8	40000	39600	99.0	40000	40300	100.8
Lead	anr								
Magnesium	40000	40300	100.8	40000	39300	98.3	40000	40500	101.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41600	104.0	40000	39100	97.8	40000	40000	100.0
Selenium	2000	2130	106.5	2000	1960	98.0	2000	2020	101.0
Silver	anr								
Sodium	40000	39800	99.5	40000	39100	97.8	40000	40000	100.0
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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10717 Units: ug/l

Time:		16:09			17:00			17:51	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	39300	98.3	40000	39500	98.8
Antimony	2000	2060	103.0	2000	2070	103.5	2000	2050	102.5
Arsenic	2000	2040	102.0	2000	2050	102.5	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	2020	101.0	2000	2030	101.5
Calcium	40000	40500	101.3	40000	39700	99.3	40000	39900	99.8
Chromium	2000	2040	102.0	2000	2000	100.0	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	40000	41100	102.8	40000	40900	102.3	40000	40800	102.0
Lead	anr								
Magnesium	40000	40900	102.3	40000	40200	100.5	40000	40300	100.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40600	101.5	40000	40400	101.0	40000	40300	100.8
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2040	102.0
Silver	anr								
Sodium	40000	40200	100.5	40000	39500	98.8	40000	39700	99.3
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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10717 Units: ug/l

Time:		18:42			19:03	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	39200	98.0
Antimony	2000	2040	102.0	2000	2070	103.5
Arsenic	2000	2020	101.0	2000	2050	102.5
Barium	anr					
Beryllium	anr					
Cadmium	2000	2000	100.0	2000	2030	101.5
Calcium	40000	39500	98.8	40000	39700	99.3
Chromium	2000	1980	99.0	2000	2020	101.0
Cobalt	anr					
Copper	anr					
Iron	40000	40400	101.0	40000	41100	102.8
Lead	anr					
Magnesium	40000	39800	99.5	40000	40000	100.0
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	40100	100.3	40000	40400	101.0
Selenium	2000	2030	101.5	2000	2060	103.0
Silver	anr					
Sodium	40000	39400	98.5	40000	39500	98.8
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10717 Units: ug/l

Time:		08:42	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	4080	102.0
Arsenic	4000	4090	102.3
Barium	anr		
Beryllium	anr		
Cadmium	4000	3990	99.8
Calcium	80000	79800	99.8
Chromium	4000	3960	99.0
Cobalt	anr		
Copper	anr		
Iron	80000	80800	101.0
Lead	anr		
Magnesium	80000	80700	100.9
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	81500	101.9
Selenium	4000	4080	102.0
Silver	anr		
Sodium	80000	80500	100.6
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10717 Units: ug/l

Time:			08:59		18:50	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	225	112.5	208	104.0
Antimony	10	5.0	4.9	98.0	6.0	120.0
Arsenic	20	10	9.8	98.0	11.2	112.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.3	106.0	5.2	104.0
Calcium	2000	1000	1050	105.0	1040	104.0
Chromium	20	10	10.5	105.0	10.6	106.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	318	106.0	326	108.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5120	102.4	5160	103.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10200	102.0	10300	103.0
Selenium	20	10	11.6	116.0	9.0	90.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	9920	99.2
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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB050213M1.ICP Date Analyzed: 05/02/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10717 Units: ug/l

Time:			09:08		09:15		18:54		18:59	
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	498000	99.6	496000	99.2	497000	99.4
Antimony		1000	0.0		999	99.9	2.2		1050	105.0
Arsenic		1000	-1.0		998	99.8	-0.80		1040	104.0
Barium		500	0.0		518	103.6	0.0		520	104.0
Beryllium		500	-0.10		486	97.2	0.0		503	100.6
Cadmium		1000	0.0		929	92.9	-1.4		928	92.8
Calcium	500000	500000	476000	95.2	471000	94.2	470000	94.0	468000	93.6
Chromium		500	-0.50		488	97.6	-0.60		483	96.6
Cobalt		500	0.40		461	92.2	0.50		463	92.6
Copper		500	0.0		524	104.8	1.6		542	108.4
Iron	200000	200000	184000	92.0	186000	93.0	189000	94.5	194000	97.0
Lead		1000	0.0		944	94.4	4.1		908	90.8
Magnesium	500000	500000	493000	98.6	485000	97.0	497000	99.4	492000	98.4
Manganese		500	0.50		493	98.6	0.0		507	101.4
Molybdenum		1000	-0.40		896	89.6	0.0		948	94.8
Nickel		1000	-0.60		898	89.8	0.10		942	94.2
Potassium			14.8		2.6		35.1		25.4	
Selenium		1000	0.0		963	96.3	-4.0		1000	100.0
Silver		1000	0.0		981	98.1	0.10		994	99.4
Sodium			87.6		94.0		128		62.1	
Strontium		1000	12.1		1020	102.0	11.6		986	98.6
Thallium		1000	0.0		912	91.2	-1.7		936	93.6
Tin		1000	-0.40		905	90.5	0.20		926	92.6
Titanium		1000	-2.0		975	97.5	-1.6		1020	102.0
Vanadium		500	0.10		485	97.0	0.10		491	98.2
Zinc		1000	2.9		938	93.8	1.9		934	93.4

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25062
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/01/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	9.9	<200
Antimony	6.0	1.3	1.3	0.30	<6.0
Arsenic	10	1.6	2.5	-0.30	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	9.5	<1000
Chromium	10	1.8	2	-0.50	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	12.9	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	5.0	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	18.4	<10000
Selenium	10	2	2	0.40	<10
Silver	10	.5	.5		
Sodium	10000	500	500	20.1	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3		
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1		
Zinc	20	3	5		

Associated samples MP25062: FA4046-1

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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25062
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			05/01/13					05/01/13	
Metal	FA4025-7 Original	DUP	RPD	QC Limits	FA4025-7 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1230	1380	11.5	0-20	1230	29400	27000	104.3	80-120
Antimony	0.0	0.0	NC	0-20	0.0	511	500	102.2	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2050	2000	102.5	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	49.9	50	99.8	80-120
Calcium	142000	137000	3.6	0-20	142000	162000	25000	80.0	80-120
Chromium	0.0	0.0	NC	0-20	0.0	213	200	106.5	80-120
Cobalt									
Copper	anr								
Iron	892	952	6.5	0-20	892	27800	26000	103.5	80-120
Lead	anr								
Magnesium	29700	28300	4.8	0-20	29700	53800	25000	96.4	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	1390	1430	2.8	0-20	1390	29800	25000	113.6	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2030	2000	101.5	80-120
Silver	anr								
Sodium	10400	9990	4.0	0-20	10400	38200	25000	111.2	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP25062: FA4046-1

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25062
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/01/13

Metal	FA4025-7 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	1230	28800	27000	102.1	2.1	20
Antimony	0.0	500	500	100.0	2.2	20
Arsenic	0.0	2000	2000	100.0	2.5	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	48.9	50	97.8	2.0	20
Calcium	142000	153000	25000	44.0 (a)	5.7	20
Chromium	0.0	209	200	104.5	1.9	20
Cobalt						
Copper	anr					
Iron	892	27200	26000	101.2	2.2	20
Lead	anr					
Magnesium	29700	51700	25000	88.0	4.0	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	1390	29200	25000	111.2	2.0	20
Selenium	0.0	1990	2000	99.5	2.0	20
Silver	anr					
Sodium	10400	36900	25000	106.0	3.5	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP25062: FA4046-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike 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: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25062
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/01/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28300	27000	104.8	80-120
Antimony	505	500	101.0	80-120
Arsenic	2010	2000	100.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	52.4	50	104.8	80-120
Calcium	26700	25000	106.8	80-120
Chromium	217	200	108.5	80-120
Cobalt				
Copper	anr			
Iron	27400	26000	105.4	80-120
Lead	anr			
Magnesium	25500	25000	102.0	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	28100	25000	112.4	80-120
Selenium	1990	2000	99.5	80-120
Silver	anr			
Sodium	28000	25000	112.0	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25062: FA4046-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25062
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/01/13

Metal	FA4025-7 Original	SDL 1:5	%DIF	QC Limits
Aluminum	1230	1210	2.0	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	142000	144000	1.7	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	892	912	2.3	0-10
Lead	anr			
Magnesium	29700	30000	0.8	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	1390	1390	0.0	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	10400	10100	3.0	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25062: FA4046-1

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

POST DIGESTATE SPIKE SUMMARY

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25062
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/01/13

Metal	Sample ml	Final ml	FA4025-7 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	1233	1208.34	3729	0.2	125	2500	100.8	80-120
Antimony	9.8	10	0	0	102.9	0.2	5	100	102.9	80-120
Arsenic	9.8	10	0	0	103.3	0.2	5	100	103.3	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	51.2	0.2	2.5	50	102.4	80-120
Calcium	9.8	10	141800	138964	142600	0.2	250	5000	72.7*(a)	80-120
Chromium	9.8	10	0	0	54	0.2	2.5	50	108.0	80-120
Cobalt										
Copper										
Iron	9.8	10	892	874.16	3914	0.2	150	3000	101.3	80-120
Lead										
Magnesium	9.8	10	29710	29115.8	33650	0.2	250	5000	90.7	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	1388	1360.24	12550	0.2	500	10000	111.9	80-120
Selenium	9.8	10	0	0	102.1	0.2	5	100	102.1	80-120
Silver										
Sodium	9.8	10	10380	10172.4	21100	0.2	500	10000	109.3	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25062: FA4046-1

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

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4046
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	GN55545	5.0	1.1	mg/l	250	253	101.2	90-113%
Chloride	GP21560/GN55503	2.0	0.0	mg/l	50	51.1	102.2	90-110%
Fluoride	GP21561/GN55504	0.20	0.0	mg/l	2.5	2.63	105.2	90-110%
Nitrogen, Nitrate	GP21560/GN55503	0.10	0.0	mg/l	2.5	2.55	102.0	90-110%
Phosphate, Ortho	GP21555/GN55471	0.10	0.0	mg/l	.300	0.31	101.5	83-116%
Phosphorus, Total	GP21552/GN55488	0.10	0.0	mg/l	.300	0.27	90.4	81-118%
Solids, Total Dissolved	GN55541	100	41.0	mg/l				
Sulfate	GP21560/GN55503	2.0	0.0	mg/l	50	50.8	101.6	90-110%

Associated Samples:
Batch GN55541: FA4046-1
Batch GN55545: FA4046-1
Batch GP21552: FA4046-1
Batch GP21555: FA4046-1F
Batch GP21560: FA4046-1
Batch GP21561: FA4046-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4046
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	GN55545	FA4047-2	mg/l	36.0	37.2	3.3	0-20%
Phosphorus, Total	GP21552/GN55488	FA4046-1	mg/l	3140	3060	2.6	0-22%
Solids, Total Dissolved	GN55541	FA4192-1	mg/l	1580	1490	5.9(a)	0-5%
Specific Conductivity	GN55456	FA4046-1	umhos/cm	14500	14600	0.3	0-10%
pH	GN55461	FA4030-1	su	8.54	8.59	0.6	0-10%

Associated Samples:
Batch GN55456: FA4046-1
Batch GN55461: FA4046-1
Batch GN55541: FA4046-1
Batch GN55545: FA4046-1
Batch GP21552: FA4046-1
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4046
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	GN55545	FA4047-2	mg/l	36.0	250	288	101.0	90-113%
Chloride	GP21560/GN55503	FA4047-6	mg/l	17.0	50	67.2	100.4	90-110%
Fluoride	GP21561/GN55504	FA4021-1	mg/l	0.80	2.5	3.1	92.0	90-110%
Nitrogen, Nitrate	GP21560/GN55503	FA4047-6	mg/l	0.57	2.5	3.0	97.2	90-110%
Phosphate, Ortho	GP21555/GN55471	FA4046-1F	mg/l	1710	7500	9780	107.6	83-116%
Phosphorus, Total	GP21552/GN55488	FA4046-1	mg/l	3140	.300	2610	0.0(a)	81-118%
Sulfate	GP21560/GN55503	FA4047-6	mg/l	21.1	50	70.2	98.2	90-110%

Associated Samples:
Batch GN55545: FA4046-1
Batch GP21552: FA4046-1
Batch GP21555: FA4046-1F
Batch GP21560: FA4046-1
Batch GP21561: FA4046-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4046
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	GP21560/GN55503	FA4047-6	mg/l	17.0	50	67.3	0.1	20%
Fluoride	GP21561/GN55504	FA4021-1	mg/l	0.80	2.5	3.1	0.0	20%
Nitrogen, Nitrate	GP21560/GN55503	FA4047-6	mg/l	0.57	2.5	3.0	0.0	20%
Phosphate, Ortho	GP21555/GN55471	FA4046-1F	mg/l	1710	7500	9400	4.0	26%
Phosphorus, Total	GP21552/GN55488	FA4046-1	mg/l	3140	.300	2570	1.6	22%
Sulfate	GP21560/GN55503	FA4047-6	mg/l	21.1	50	70.1	0.1	20%

Associated Samples:
Batch GP21552: FA4046-1
Batch GP21555: FA4046-1F
Batch GP21560: FA4046-1
Batch GP21561: FA4046-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313260401.TXT Date Analyzed: 04/26/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55503
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:26	GN55503-CCV1	1		
09:41	GP21559-MB1	1		
09:57	GP21559-B1	1		
10:45	ZZZZZZ	2		
11:32	GP21547-S1	1		
11:48	GP21547-S2	1		
12:04	ZZZZZZ	25		
12:20	GN55503-CCV2	1		
12:36	GN55503-CCB1	1		
12:52	ZZZZZZ	10		
13:08	FA4027-9	1		(sample used for QC only; not part of login FA4046)
13:24	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:55	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:59	FA4050-8	500		(sample used for QC only; not part of login FA4046)
15:15	ZZZZZZ	25		
15:31	GN55503-CCV3	1		
15:47	GN55503-CCB2	1		
16:03	ZZZZZZ	1		
16:18	ZZZZZZ	10		
16:34	ZZZZZZ	1		
16:50	ZZZZZZ	1		
17:06	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:54	ZZZZZZ	1		
18:10	ZZZZZZ	1		
18:26	ZZZZZZ	1		
18:42	GN55503-CCV4	1		
18:58	GN55503-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313260401.TXT Date Analyzed: 04/26/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55503
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:13	ZZZZZZ	1		
19:29	ZZZZZZ	1		
19:45	GP21559-S1	1		
20:01	GP21559-S2	1		
20:17	GP21559-S3	500		
20:33	GP21559-S4	500		
20:49	GN55503-CCV5	1		
21:05	GP21560-MB1	1		
21:21	GP21560-B1	1		
22:08	FA4047-6	1		(sample used for QC only; not part of login FA4046)
22:24	ZZZZZZ	1		
22:40	ZZZZZZ	1		
22:56	ZZZZZZ	1		
23:12	FA4046-1	200		
23:28	GN55503-CCV6	1		
23:44	GN55503-CCB4	1		
00:00	GP21560-S1	1		
00:15	GP21560-S2	1		
00:31	ZZZZZZ	5		
00:47	ZZZZZZ	100		
01:03	FA4050-8	5000		(sample used for QC only; not part of login FA4046)
01:19	GP21559-S3	5000		
01:35	GP21559-S4	5000		
01:51	GN55503-CCV7	1		
02:07	GN55503-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313260401.TXT Date Analyzed: 04/26/13 Methods: EPA 300/SW846 9056A
Run ID: GN55503 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55503-CCV1	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN55503-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55503-CCV1	Sulfate	51.4	2.0	0.60	50	102.8	90-110
GN55503-CCV2	Chloride	50.7	2.0	0.80	50	101.4	90-110
GN55503-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN55503-CCV2	Sulfate	48.9	2.0	0.60	50	97.8	90-110
GN55503-CCB1	Chloride	0.80 U	2.0	0.80			
GN55503-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55503-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55503-CCV3	Chloride	50.9	2.0	0.80	50	101.8	90-110
GN55503-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55503-CCV3	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN55503-CCB2	Chloride	0.80 U	2.0	0.80			
GN55503-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55503-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55503-CCV4	Chloride	50.7	2.0	0.80	50	101.4	90-110
GN55503-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55503-CCV4	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN55503-CCB3	Chloride	0.80 U	2.0	0.80			
GN55503-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55503-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55503-CCV5	Chloride	51.1	2.0	0.80	50	102.2	90-110
GN55503-CCV5	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55503-CCV5	Sulfate	51.6	2.0	0.60	50	103.2	90-110
GN55503-CCV6	Chloride	50.9	2.0	0.80	50	101.8	90-110
GN55503-CCV6	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55503-CCV6	Sulfate	51.9	2.0	0.60	50	103.8	90-110
GN55503-CCB4	Chloride	0.80 U	2.0	0.80			
GN55503-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55503-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55503-CCV7	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN55503-CCV7	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55503-CCV7	Sulfate	52.2	2.0	0.60	50	104.4	90-110
GN55503-CCB5	Chloride	0.80 U	2.0	0.80			
GN55503-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55503-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213260401.TXT Date Analyzed: 04/26/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55504
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:41	GN55504-CCV1	1		
14:57	GP21561-MB1	1		
15:12	GP21561-B1	1		
16:00	FA4046-1	2000		
16:16	ZZZZZZ	2000		
16:32	ZZZZZZ	2000		
16:48	FA4021-1	5		(sample used for QC only; not part of login FA4046)
17:08	GP21561-S1	5		
17:24	GP21561-S2	5		
17:40	GN55504-CCV2	1		
17:56	GN55504-CCB1	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4046
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213260401.TXT Date Analyzed: 04/26/13 Methods: EPA 300/SW846 9056A
Run ID: GN55504 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55504-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN55504-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN55504-CCB1	Fluoride	0.063	0.20	0.060			

(!) Outside of QC limits