Southeast ACCUTEST LABORATORIES

05/17/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA4340

Sampling Date: 05/02/13

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: **65**

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: FA4340

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
FA4340-1	05/02/13	14:15	TP	05/04/13	AQ	Ground Water	A-34-022
FA4340-1F	05/02/13	14:15	TP	05/04/13	AQ	Groundwater Filtered	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA4340

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 5/17/2013 2:03:02 PM

1 Sample was collected on 05/02/2013 and was received at Accutest SE on 05/04/2013 properly preserved, at 3.6 Deg. C and intact. The Sample received an Accutest job number of FA4340. 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:** MP25151

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) FA4554-1DUP, FA4554-1MS, FA4554-1MSD, FA4554-1PS, FA4554-1SDL were used as the QC samples for metals.

FA4340-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA4340-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA4340-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA4340-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA4340-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA4340-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55576

All method blanks for this batch meet method specific criteria.

Sample(s) FA4340-1DUP was used as the QC sample for Specific Conductivity.

The following sample was run outside of holding time for method EPA 120.1: FA4340-1. Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21603

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) FA4340-1MS, FA4340-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.
Matrix Spike Recovery(s) for Chloride and Nitrogen, Nitrate are outside control limits. Probable cause is due to matrix interference. Refer to lab control or spike blank for recovery information.
Matrix Spike Recovery(s) for Sulfate are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

FA4340-1 for Nitrogen, Nitrate: Originally ran on GN55607. Re-run beyond holdtime due to CCV failure.

FA4340-1 for Chloride: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21663

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) FA4383-1MS, FA4383-1MSD were used as the QC samples for Fluoride.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21593

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) FA4340-1FMS, FA4340-1FMSD were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21619

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4363-1DUP, FA4363-1MS, FA4363-1MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN55575

Sample(s) FA4341-1DUP was used as the QC sample for pH.

FA4340-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55603

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4315-4DUP, FA4315-4MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55656

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4379-1DUP was used as the QC sample for Solids, Total Dissolved.

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

Narrative prepared by:

_____ Date: May 17, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA4340
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/02/13

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4340-1	**A-34-022**					
Aluminum		1310	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.246	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		3.02	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		621	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.58	0.050	0.010	mg/l	SW846 6010C
Iron		1370	1.5	0.15	mg/l	SW846 6010C
Magnesium		936	25	0.37	mg/l	SW846 6010C
Potassium		399	50	1.0	mg/l	SW846 6010C
Sodium		698	50	2.5	mg/l	SW846 6010C
Fluoride		5480	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2700	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved		19400	1000	100	mg/l	SM19 2540C
Specific Conductivity [b]		13600	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		12700	400	120	mg/l	EPA 300/SW846 9056A
pH [c]		2.31			su	SM 4500H B/SW 9040C
FA4340-1F	**A-34-022**					
Phosphate, Ortho		1930	1000	190	mg/l	EPA 365.3

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

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA4340-1	**Date Sampled:**	05/02/13
Matrix:	AQ - Ground Water	**Date Received:**	05/04/13
		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	1310	1.0	0.075	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	0.246	0.050	0.013	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	3.02	0.025	0.0025	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	621	5.0	0.25	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2.58	0.050	0.010	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	1370	1.5	0.15	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	936	25	0.37	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	399	50	1.0	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	698	50	2.5	mg/l	5	05/14/13	05/16/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10751
(2) Prep QC Batch: MP25151

(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:	FA4340-1	**Date Sampled:**	05/02/13
Matrix:	AQ - Ground Water	**Date Received:**	05/04/13
		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	5.0 U	5.0	5.0	mg/l	1	05/06/13 14:32	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/06/13 14:32	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	05/06/13 14:32	HH	SM19 2320B
Chloride [a]	160 U	400	160	mg/l	200	05/07/13 14:09	AA	EPA 300/SW846 9056A
Fluoride	5480	400	120	mg/l	2000	05/16/13 22:22	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	10 U	20	10	mg/l	200	05/07/13 14:09	AA	EPA 300/SW846 9056A
Phosphorus, Total	2700	1000	280	mg/l	10000	05/09/13 09:00	LE	EPA 365.3
Solids, Total Dissolved	19400	1000	100	mg/l	10	05/09/13 16:20	KC	SM19 2540C
Specific Conductivity [c]	13600	1.0	1.0	umhos/cm	1	05/04/13 14:20	HH	EPA 120.1
Sulfate	12700	400	120	mg/l	200	05/07/13 14:09	AA	EPA 300/SW846 9056A
pH [d]	2.31			su	1	05/04/13 14:37	HH	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Originally ran on GN55607. Re-run beyond holdtime due to CCV failure.
(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:	FA4340-1F	**Date Sampled:**	05/02/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	05/04/13
		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	1930	1000	190	mg/l	10000	05/04/13 13:15	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 # FA 4340

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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	Time	Sampled By:	Matrix	Total # of Bottles	Container Information: Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	NaSH	Analytical Information	Lab Use Only
1	A-34-022	[illegible]	[illegible]	[illegible]	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]	050213 1510	2 FX	3 FX	5-4-13	4 [signature] 09:30
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 3.6

FA4340: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA4340 CLIENT: WSP PROJECT: AGAIUM

DATE/TIME RECEIVED: 5-4-13 09:30 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3228 5431

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 3.2
- [ ] CORRECTED TEMPS: 3.6

SAMPLE INFORMATION

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

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE JC 5-4-13 REVIEWER SIGNATURE/DATE [signature] 05/04/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA4340: Chain of Custody

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FA4340

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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10749
Parameters: As,Cd,Ca,Cr,Mg,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:21	MA10749-STD1	1		STDA
08:24	MA10749-STD2	1		STDB
08:34	MA10749-STD3	1		STDC
08:38	MA10749-STD4	1		STDD
08:42	MA10749-HSTD1	1		
08:52	MA10749-ICV1	1		
09:00	MA10749-ICB1	1		
09:09	MA10749-CRIA1	1		
09:18	MA10749-ICSA1	1		
09:27	MA10749-ICSAB1	1		
09:38	MA10749-CCV1	1		
09:44	MA10749-CCB1	1		
09:47	MP25151-MB1	1		
09:51	MP25151-B1	1		
09:55	FA4554-1	1		(sample used for QC only; not part of login FA4340)
09:59	MP25151-D1	1		
10:03	MP25151-SD1	5		
10:08	MP25151-PS1	1		
10:12	MP25151-S1	1		
10:15	MP25151-S2	1		
---------->	Last reportable sample/prep for job FA4340			
10:19	ZZZZZZ	1		
10:23	ZZZZZZ	1		
10:28	MA10749-CCV2	1		
10:32	MA10749-CCB2	1		
10:36	ZZZZZZ	1		
10:45	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:57	ZZZZZZ	1		
11:01	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:17	MA10749-CCV3	1		
11:21	MA10749-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10749
Parameters: As,Cd,Ca,Cr,Mg,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:25	ZZZZZZ	1		
11:30	ZZZZZZ	1		
11:34	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:42	ZZZZZZ	4		
11:46	ZZZZZZ	4		
11:50	ZZZZZZ	5		
11:55	ZZZZZZ	5		
11:59	FA4586-1	10		(sample used for QC only; not part of login FA4340)
12:03	MP25148-D1	10		
12:07	MA10749-CCV4	1		
12:11	MA10749-CCB4	1		
12:16	MP25148-S1	10		
12:20	MP25148-S2	10		
12:24	MP25148-PS1	10		
12:28	MP25148-SD1	50		
12:32	ZZZZZZ	5		
12:41	ZZZZZZ	5		
12:45	ZZZZZZ	5		
12:49	ZZZZZZ	5		
12:54	ZZZZZZ	5		
12:58	MA10749-CCV5	1		
13:02	MA10749-CCB5	1		
13:06	ZZZZZZ	5		
13:10	ZZZZZZ	5		
13:15	ZZZZZZ	5		
13:19	ZZZZZZ	5		
13:23	ZZZZZZ	5		
13:50	MA10749-CCV6	1		
13:54	MA10749-CCB6	1		
14:16	ZZZZZZ	20		
14:26	MA10749-CCV7	1		
14:34	MA10749-CCB7	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10749
Parameters: As,Cd,Ca,Cr,Mg,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:38	ZZZZZZ	5		
14:43	ZZZZZZ	5		
14:47	ZZZZZZ	5		
14:51	ZZZZZZ	5		
14:55	ZZZZZZ	5		
15:00	ZZZZZZ	5		
15:04	ZZZZZZ	5		
15:08	ZZZZZZ	5		
15:13	ZZZZZZ	5		
15:17	MA10749-CRIA2	1		
15:21	MA10749-CCV8	1		
15:25	MA10749-CCB8	1		
15:29	MA10749-ICSA2	1		
15:33	MA10749-ICSAB2	1		
15:38	MA10749-CCV9	1		
15:42	MA10749-CCB9	1		

----------> Last reportable CCB for job FA4340
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10749
Parameters: As,Cd,Ca,Cr,Mg,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:21	MA10749-STD1	9012	53640	6788	3575
08:24	MA10749-STD2	8869	52270	6765	3271
08:34	MA10749-STD3	8574	50718	6671	2934
08:38	MA10749-STD4	8295	49566	6785	2675
08:42	MA10749-HSTD1	8286	49552	6697	2674
08:52	MA10749-ICV1	8462	50227	6726	2899
09:00	MA10749-ICB1	9092 R	53812 R	6864 R	3586 R
09:09	MA10749-CRIA1	8846	52823	6736	3373
09:18	MA10749-ICSA1	7945	45531	6530	2650
09:27	MA10749-ICSAB1	7716	44789	6353	2535
09:38	MA10749-CCV1	8526	50335	6591	2890
09:44	MA10749-CCB1	9057	53695	6690	3565
09:47	MP25151-MB1	9159	53956	6894	3586
09:51	MP25151-B1	8778	51669	6700	3102
09:55	FA4554-1	8662	51447	6773	3181
09:59	MP25151-D1	8703	51940	6840	3201
10:03	MP25151-SD1	8913	52769	6747	3410
10:08	MP25151-PS1	8592	51236	6838	3090
10:12	MP25151-S1	8854	51876	6827	3012
10:15	MP25151-S2	8818	51682	6837	3009
10:19	ZZZZZZ	9290	55066	7063	3378
10:23	ZZZZZZ	8699	51424	6775	3202
10:28	MA10749-CCV2	8585	50469	6655	2894
10:32	MA10749-CCB2	9102	53920	6793	3575
10:36	ZZZZZZ	8728	52010	6865	3241
10:45	ZZZZZZ	8875	52040	6634	3262
10:49	ZZZZZZ	8724	51294	6650	3176
10:57	ZZZZZZ	8752	51920	6819	3162
11:01	ZZZZZZ	8958	52315	6680	3279
11:05	ZZZZZZ	8780	52345	6661	3250
11:09	ZZZZZZ	8915	52919	6845	3218
11:17	MA10749-CCV3	8624	50642	6569	2918
11:21	MA10749-CCB3	9125	53626	6728	3576

INTERNAL STANDARD SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10749
Parameters: As,Cd,Ca,Cr,Mg,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:25	ZZZZZZ	8731	51706	6688	3212
11:30	ZZZZZZ	9093	54090	6788	3457
11:34	ZZZZZZ	9299	54974	6859	3582
11:38	ZZZZZZ	9292	55149	6755	3602
11:42	ZZZZZZ	10305	60921	7714	3318
11:46	ZZZZZZ	10594	61955	7803	3256
11:50	ZZZZZZ	11688	67394	8955	2756
11:55	ZZZZZZ	9219	53616	7055	2727
11:59	FA4586-1	8421	49307	6422	2918
12:03	MP25148-D1	8339	48347	6282	2901
12:07	MA10749-CCV4	8777	51159	6522	2970
12:11	MA10749-CCB4	9093	54417	6643	3594
12:16	MP25148-S1	8334	49207	6530	2918
12:20	MP25148-S2	8585	50337	6545	3027
12:24	MP25148-PS1	8458	49490	6566	2949
12:28	MP25148-SD1	8819	51789	6688	3267
12:32	ZZZZZZ	8712	51271	6688	2990
12:41	ZZZZZZ	8793	51617	6705	2974
12:45	ZZZZZZ	8244	48461	6590	2841
12:49	ZZZZZZ	8157	48468	6579	2837
12:54	ZZZZZZ	8378	49749	6518	2942
12:58	MA10749-CCV5	8749	51473	6591	2928
13:02	MA10749-CCB5	9205	54601	6727	3580
13:06	ZZZZZZ	8134	48010	6542	2808
13:10	ZZZZZZ	8031	47405	6447	2760
13:15	ZZZZZZ	8116	47838	6498	2796
13:19	ZZZZZZ	8102	48234	6520	2808
13:23	ZZZZZZ	8005	47338	6491	2754
13:50	MA10749-CCV6	8780	51677	6372	2952
13:54	MA10749-CCB6	9272	54915	6487	3616
14:16	ZZZZZZ	8343	47711	6165	3009
14:26	MA10749-CCV7	8707	51721	6260	2925
14:34	MA10749-CCB7	9183	54168	6211	3571

INTERNAL STANDARD SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10749
Parameters: As,Cd,Ca,Cr,Mg,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:38	ZZZZZZ	8102	47402	6059	2783
14:43	ZZZZZZ	8084	47409	6073	2784
14:47	ZZZZZZ	8092	48181	6218	2814
14:51	ZZZZZZ	7997	47340	6047	2773
14:55	ZZZZZZ	7995	47657	6136	2789
15:00	ZZZZZZ	7944	47573	6116	2785
15:04	ZZZZZZ	8078	48458	6223	2845
15:08	ZZZZZZ	7930	47304	6145	2763
15:13	ZZZZZZ	7935	47012	6071	2767
15:17	MA10749-CRIA2	9049	54085	6305	3428
15:21	MA10749-CCV8	8692	51297	6364	2975
15:25	MA10749-CCB8	9126	54602	6440	3618
15:29	MA10749-ICSA2	7948	46249	6064	2650
15:33	MA10749-ICSAB2	7933	46126	6092	2604
15:38	MA10749-CCV9	8709	52139	6323	2994
15:42	MA10749-CCB9	9110	55244	6449	3624

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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10749 Units: ug/l

Time:			09:00		09:44		10:32		11:21	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15								
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	-0.20	<10	-0.40	<10	0.10	<10	0.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	-0.10	<5.0	0.0	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	-0.10	<1000	8.8	<1000	8.8	<1000	8.1	<1000
Chromium	10	1.8	-0.50	<10	-0.20	<10	-0.10	<10	-0.60	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	-7.1	<5000	2.2	<5000	-15	<5000	-0.10	<5000
Manganese	15	.7								
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	0.30	<10	-0.50	<10	0.30	<10	0.80	<10
Silver	10	.5	anr							
Sodium	10000	500	4.1	<10000	18.5	<10000	25.9	<10000	22.3	<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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10749 Units: ug/l

Time:			12:11		13:02		13:54		14:34	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15								
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	0.40	<10	0.30	<10	0.20	<10	-0.20	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	-0.10	<5.0
Calcium	1000	50	9.1	<1000	10.3	<1000	52.9	<1000	4.8	<1000
Chromium	10	1.8	-0.20	<10	0.0	<10	-0.10	<10	-0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	-1.8	<5000	-6.2	<5000	4.2	<5000	-10	<5000
Manganese	15	.7								
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	1.2	<10	-0.20	<10	0.0	<10	1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	18.8	<10000	23.1	<10000	46.3	<10000	31.6	<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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10749 Units: ug/l

Time:			15:25		15:42	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15				
Antimony	6.0	1.3	anr			
Arsenic	10	1.6	0.20	<10	0.60	<10
Barium	200	1	anr			
Beryllium	4.0	.5				
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0
Calcium	1000	50	8.7	<1000	18.7	<1000
Chromium	10	1.8	-0.10	<10	-0.20	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	anr			
Lead	5.0	1.1	anr			
Magnesium	5000	74	-6.3	<5000	11.4	<5000
Manganese	15	.7				
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200				
Selenium	10	2	0.10	<10	1.5	<10
Silver	10	.5	anr			
Sodium	10000	500	25.3	<10000	39.8	<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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10749 Units: ug/l

Time:		08:52			09:38			10:28	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	2040	102.0	2000	2020	101.0	2000	1990	99.5
Barium	anr								
Beryllium									
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2040	102.0
Calcium	40000	41100	102.8	40000	41200	103.0	40000	41000	102.5
Chromium	2000	2070	103.5	2000	2060	103.0	2000	2050	102.5
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	40000	39200	98.0	40000	40800	102.0	40000	40300	100.8
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	2000	2060	103.0	2000	2030	101.5	2000	2000	100.0
Silver	anr								
Sodium	40000	41600	104.0	40000	41500	103.8	40000	41100	102.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10749 Units: ug/l

Time:		11:17			12:07			12:58	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	1970	98.5	2000	1960	98.0	2000	1980	99.0
Barium	anr								
Beryllium									
Cadmium	2000	2020	101.0	2000	1990	99.5	2000	1990	99.5
Calcium	40000	40300	100.8	40000	40200	100.5	40000	39500	98.8
Chromium	2000	2040	102.0	2000	2010	100.5	2000	1990	99.5
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	40000	39800	99.5	40000	39600	99.0	40000	39300	98.3
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	2000	1970	98.5	2000	1970	98.5	2000	1990	99.5
Silver	anr								
Sodium	40000	39300	98.3	40000	40600	101.5	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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10749 Units: ug/l

Time:		13:50			14:26			15:21	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	2000	1950	97.5	2000	2010	100.5	2000	2020	101.0
Barium	anr								
Beryllium									
Cadmium	2000	1970	98.5	2000	2000	100.0	2000	1980	99.0
Calcium	40000	38800	97.0	40000	39500	98.8	40000	38300	95.8
Chromium	2000	1970	98.5	2000	1990	99.5	2000	1980	99.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	40000	38600	96.5	40000	39600	99.0	40000	39400	98.5
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	2000	1960	98.0	2000	2020	101.0	2000	2050	102.5
Silver	anr								
Sodium	40000	37300	93.3	40000	39200	98.0	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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10749 Units: ug/l

Time:		15:38	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum			
Antimony	anr		
Arsenic	2000	2030	101.5
Barium	anr		
Beryllium			
Cadmium	2000	1970	98.5
Calcium	40000	38200	95.5
Chromium	2000	1930	96.5
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	40000	39500	98.8
Manganese			
Molybdenum			
Nickel	anr		
Potassium			
Selenium	2000	2060	103.0
Silver	anr		
Sodium	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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10749 Units: ug/l

Time:		08:42	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum			
Antimony	anr		
Arsenic	4000	4040	101.0
Barium	anr		
Beryllium			
Cadmium	4000	3990	99.8
Calcium	80000	79800	99.8
Chromium	4000	3990	99.8
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	80000	79600	99.5
Manganese			
Molybdenum			
Nickel	anr		
Potassium			
Selenium	4000	4040	101.0
Silver	anr		
Sodium	80000	79700	99.6
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10749 Units: ug/l

Time:			09:09		15:17	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200				
Antimony	10	5.0	anr			
Arsenic	20	10	9.3	93.0	10.1	101.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.1	102.0	4.9	98.0
Calcium	2000	1000	1060	106.0	1020	102.0
Chromium	20	10	9.9	99.0	9.8	98.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	5200	104.0	4990	99.8
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000				
Selenium	20	10	10.3	103.0	10.7	107.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	9800	98.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

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

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

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051513M1.ICP Date Analyzed: 05/15/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10749 Units: ug/l

Time:			09:18		09:27		15:29		15:33	
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	517000	103.4	482000	96.4	483000	96.6
Antimony		1000	0.0		1040	104.0	0.10		975	97.5
Arsenic		1000	-1.1		1040	104.0	-0.70		1030	103.0
Barium		500	-0.30		508	101.6	0.30		506	101.2
Beryllium		500	-0.10		490	98.0	0.0		440	88.0
Cadmium		1000	0.0		911	91.1	-0.30		870	87.0
Calcium	500000	500000	475000	95.0	495000	99.0	451000	90.2	456000	91.2
Chromium		500	-0.80		470	94.0	-0.90		444	88.8
Cobalt		500	0.20		449	89.8	0.20		429	85.8
Copper		500	0.0		498	99.6	-1.4		485	97.0
Iron	200000	200000	191000	95.5	193000	96.5	179000	89.5	177000	88.5
Lead		1000	0.80		903	90.3	3.7		865	86.5
Magnesium	500000	500000	470000	94.0	489000	97.8	460000	92.0	468000	93.6
Manganese		500	0.20		484	96.8	0.10		473	94.6
Molybdenum		1000	0.0		955	95.5	0.10		898	89.8
Nickel		1000	0.0		890	89.0	-0.40		885	88.5
Potassium			42.4		14.9		43.9		45.9	
Selenium		1000	0.0		982	98.2	-2.0		982	98.2
Silver		1000	0.30		955	95.5	0.0		927	92.7
Sodium			107		132		152		164	
Strontium		1000	12.9		1040	104.0	12.4		987	98.7
Thallium		1000	1.3		957	95.7	2.4		903	90.3
Tin		1000	-1.6		925	92.5	-1.0		903	90.3
Titanium		1000	-5.4		1030	103.0	-5.1		957	95.7
Vanadium		500	0.0		470	94.0	0.20		453	90.6
Zinc		1000	-1.2		918	91.8	-0.60		870	87.0

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:18	MA10751-STD1	1		STDA
08:22	MA10751-STD2	1		STDB
08:26	MA10751-STD3	1		STDC
08:35	MA10751-STD4	1		STDD
08:42	MA10751-HSTD1	1		
08:57	MA10751-ICV1	1		
09:03	MA10751-ICB1	1		
09:07	MA10751-CRIA1	1		
09:15	MA10751-ICSA1	1		
09:23	MA10751-ICSAB1	1		
09:34	MA10751-CCV1	1		
09:41	MA10751-CCB1	1		
09:46	MP25157-MB1	1		
09:50	MP25157-B1	1		
09:54	FA4379-1	1		(sample used for QC only; not part of login FA4340)
09:58	MP25157-D1	1		
10:02	MP25157-SD1	5		
10:07	MP25157-PS1	1		
10:11	MP25157-S1	1		
10:15	MP25157-S2	1		
10:20	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:28	MA10751-CCV2	1		
10:32	MA10751-CCB2	1		
10:36	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:44	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:57	ZZZZZZ	1		
11:01	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:13	ZZZZZZ	1		
	11:17	MA10751-CCV3	1		
	11:21	MA10751-CCB3	1		
	11:25	ZZZZZZ	1		
	11:29	ZZZZZZ	1		
	11:33	ZZZZZZ	1		
	11:38	ZZZZZZ	1		
	11:42	MP25157-MB2A	1		
	11:46	MP25158-MB1	1		
	11:50	MP25158-B1	1		
	11:54	FA4487-1	1		(sample used for QC only; not part of login FA4340)
	11:58	MP25158-D1	1		
	12:02	MP25158-SD1	5		
	12:06	MA10751-CCV4	1		
	12:10	MA10751-CCB4	1		
	12:15	MP25158-S1	1		
	12:19	MP25158-S2	1		
	12:23	ZZZZZZ	1		
	12:27	ZZZZZZ	1		
	12:31	FA4531-1	1		(sample used for QC only; not part of login FA4340)
	12:35	ZZZZZZ	1		
	12:40	MP25158-D2	1		
	12:44	MP25158-D3	1		
	12:48	MP25158-MB2	1		
	12:53	MP25158-B2	1		
	12:57	MA10751-CCV5	1		
	13:01	MA10751-CCB5	1		
	13:05	MP25158-MB3	1		
	13:09	MP25158-B3	1		
	13:13	FA4340-1	5		
---------->	Last reportable sample/prep for job FA4340				
	13:18	ZZZZZZ	5		
	13:22	ZZZZZZ	5		
	13:26	ZZZZZZ	20		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:30	ZZZZZZ	5		
13:35	ZZZZZZ	5		
13:39	ZZZZZZ	5		
13:43	ZZZZZZ	5		
13:48	MA10751-CCV6	1		
13:52	MA10751-CCB6	1		
13:56	ZZZZZZ	5		
14:00	ZZZZZZ	5		
14:05	ZZZZZZ	5		
14:09	ZZZZZZ	5		
14:13	ZZZZZZ	5		
14:18	ZZZZZZ	5		
14:22	ZZZZZZ	5		
14:27	ZZZZZZ	5		
14:31	ZZZZZZ	4		
14:35	ZZZZZZ	4		
14:39	MA10751-CCV7	1		
14:43	MA10751-CCB7	1		
15:10	MA10751-CCV8	1		
15:16	MA10751-CCB8	1		
15:19	ZZZZZZ	4		
15:23	MP25160-MB1	1		
15:28	MP25160-B1	1		
16:01	ZZZZZZ	1		
16:05	MA10751-CCV9	1		
16:09	MA10751-CCB9	1		
16:13	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:38	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:42	ZZZZZZ	1		
	16:47	ZZZZZZ	1		
	16:51	ZZZZZZ	1		
	16:55	MA10751-CCV10	1		
	16:59	MA10751-CCB10	1		
	17:03	ZZZZZZ	1		
	17:07	ZZZZZZ	1		
	17:11	ZZZZZZ	1		
	17:15	MA10751-CRIA2	1		
	17:19	MA10751-ICSA2	1		
	17:24	MA10751-ICSAB2	1		
	17:28	MA10751-CCV11	1		
	17:32	MA10751-CCB11	1		
---------->	Last reportable CCB for job FA4340				
	Refer to raw data for calibration curve and standards.				

INTERNAL STANDARD SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:18	MA10751-STD1	7992	49689	7785	3307
08:22	MA10751-STD2	8006	48948	7802	3067
08:26	MA10751-STD3	7913	48943	7865	2806
08:35	MA10751-STD4	7451	45931	7825	2456
08:42	MA10751-HSTD1	7603	46319	7286	2518
08:57	MA10751-ICV1	7777	47551	7217	2740
09:03	MA10751-ICB1	8087 R	50511 R	7322 R	3363 R
09:07	MA10751-CRIA1	7967	50737	7507	3227
09:15	MA10751-ICSA1	7134	43850	7281	2462
09:23	MA10751-ICSAB1	6982	42378	7114	2388
09:34	MA10751-CCV1	7689	47322	7364	2736
09:41	MA10751-CCB1	8226	50858	7567	3369
09:46	MP25157-MB1	7954	49820	7380	3266
09:50	MP25157-B1	7952	49119	7596	2995
09:54	FA4379-1	9762	60548	9501	2704
09:58	MP25157-D1	7773	48076	7598	2680
10:02	MP25157-SD1	8595	52356	8190	3052
10:07	MP25157-PS1	9566	58476	9437	2557
10:11	MP25157-S1	8052	48730	7978	2519
10:15	MP25157-S2	7874	47771	7821	2520
10:20	ZZZZZZ	7815	47017	7740	2976
10:24	ZZZZZZ	7850	47590	7351	2991
10:28	MA10751-CCV2	7645	46039	7275	2645
10:32	MA10751-CCB2	8045	48788	7416	3242
10:36	ZZZZZZ	7956	48173	7410	3111
10:40	ZZZZZZ	8201	50518	7558	3336
10:44	ZZZZZZ	8148	50070	7629	3206
10:49	ZZZZZZ	7881	48134	7345	3097
10:53	ZZZZZZ	8425	51322	7690	3360
10:57	ZZZZZZ	8032	49634	7486	3213
11:01	ZZZZZZ	7866	47679	7328	2974
11:05	ZZZZZZ	7975	48501	7405	3002
11:09	ZZZZZZ	7874	48340	7220	3083

INTERNAL STANDARD SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:13	ZZZZZZ	7854	48311	7338	3013
11:17	MA10751-CCV3	7658	45778	7199	2661
11:21	MA10751-CCB3	7942	48136	7176	3215
11:25	ZZZZZZ	8236	49433	7553	2871
11:29	ZZZZZZ	8002	49054	7395	3177
11:33	ZZZZZZ	7772	48067	7355	3038
11:38	ZZZZZZ	8171	48366	7522	3300
11:42	MP25157-MB2A	No results reported for the elements associated with this internal standard.			
11:46	MP25158-MB1	8279	50863	7557	3365
11:50	MP25158-B1	7848	47640	7353	2879
11:54	FA4487-1	7539	44749	7049	2743
11:58	MP25158-D1	7369	44368	6912	2686
12:02	MP25158-SD1	7906	48356	7356	3073
12:06	MA10751-CCV4	7848	47969	7443	2740
12:10	MA10751-CCB4	7929	48478	7112	3220
12:15	MP25158-S1	7573	45240	7096	2641
12:19	MP25158-S2	7679	46542	7310	2689
12:23	ZZZZZZ	7824	47051	7358	2820
12:27	ZZZZZZ	7713	46988	7267	2858
12:31	FA4531-1	7418	45078	7071	2712
12:35	ZZZZZZ	7738	46252	7430	2849
12:40	MP25158-D2	7503	45609	7140	2753
12:44	MP25158-D3	7507	45328	7005	2728
12:48	MP25158-MB2	7761	46591	7202	2874
12:53	MP25158-B2	7530	44871	6956	2655
12:57	MA10751-CCV5	7784	47168	7235	2700
13:01	MA10751-CCB5	7955	48190	7084	3219
13:05	MP25158-MB3	7577	45470	7018	2801
13:09	MP25158-B3	7634	45678	7176	2683
13:13	FA4340-1	8525	51149	8433	2555
13:18	ZZZZZZ	7738	47021	7112	2949
13:22	ZZZZZZ	7681	46412	7037	2861
13:26	ZZZZZZ	8126	48351	7286	3067

INTERNAL STANDARD SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
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	7243	43385	6958	2607
13:35	ZZZZZZ	7084	43055	6934	2524
13:39	ZZZZZZ	7097	43507	6912	2532
13:43	ZZZZZZ	7155	43034	6772	2549
13:48	MA10751-CCV6	7871	46866	7209	2737
13:52	MA10751-CCB6	8053	48416	7073	3253
13:56	ZZZZZZ	7265	43642	7007	2626
14:00	ZZZZZZ	7074	43255	7015	2538
14:05	ZZZZZZ	6955	42733	6947	2461
14:09	ZZZZZZ	7046	42259	6840	2500
14:13	ZZZZZZ	7272	44178	7115	2602
14:18	ZZZZZZ	7367	44904	7205	2566
14:22	ZZZZZZ	7092	42255	6803	2513
14:27	ZZZZZZ	7278	44608	7109	2629
14:31	ZZZZZZ	7898	48128	7271	3051
14:35	ZZZZZZ	7493	45994	7122	2870
14:39	MA10751-CCV7	7598	45020	7019	2627
14:43	MA10751-CCB7	7995	48828	7219	3234
15:10	MA10751-CCV8	7442	44714	6876	2578
15:16	MA10751-CCB8	7928	48118	7050	3197
15:19	ZZZZZZ	7711	47260	7129	2950
15:23	MP25160-MB1	7713	47347	7022	3145
15:28	MP25160-B1	7735	46913	7182	2844
16:01	ZZZZZZ	6987	44082	6720	2761
16:05	MA10751-CCV9	7827	47864	7213	2756
16:09	MA10751-CCB9	8021	49416	7190	3312
16:13	ZZZZZZ	10151	62331	9390	3120
16:18	ZZZZZZ	8185	49632	7220	3265
16:22	ZZZZZZ	8100	49184	7074	3211
16:26	ZZZZZZ	8041	48186	7360	3200
16:30	ZZZZZZ	8293	51311	7616	3149
16:34	ZZZZZZ	10590 !	64340 !	9789 !	2878
16:38	ZZZZZZ	8273	51258	7555	3250

INTERNAL STANDARD SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:42	ZZZZZZ	9718	60126	9034	2971
16:47	ZZZZZZ	8316	51200	7628	3137
16:51	ZZZZZZ	8227	50110	7381	3191
16:55	MA10751-CCV10	7097	44600	7028	2458
16:59	MA10751-CCB10	8145	49522	7094	3328
17:03	ZZZZZZ	7223	46270	6941	2896
17:07	ZZZZZZ	7876	48299	7070	3177
17:11	ZZZZZZ	8182	50082	7312	3227
17:15	MA10751-CRIA2	7902	48526	7061	3157
17:19	MA10751-ICSA2	7000	41402	6700	2405
17:24	MA10751-ICSAB2	6956	41465	6791	2357
17:28	MA10751-CCV11	7752	47640	7178	2739
17:32	MA10751-CCB11	7865	48177	6924	3242

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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10751 Units: ug/l

Time:			09:03		09:41		10:32		11:21	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-6.4	<200	11.2	<200	8.4	<200	4.3	<200
Antimony	6.0	1.3	0.50	<6.0	-0.80	<6.0	-0.60	<6.0	-0.90	<6.0
Arsenic	10	1.6	0.60	<10	0.10	<10	0.0	<10	0.70	<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	0.20	<5.0
Calcium	1000	50	-4.9	<1000	7.3	<1000	6.5	<1000	8.7	<1000
Chromium	10	1.8	-0.20	<10	-0.20	<10	0.30	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-0.80	<300	2.0	<300	5.3	<300	8.1	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-5.9	<5000	-12	<5000	6.3	<5000	19.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	5.9	<10000	-23	<10000	16.2	<10000	22.9	<10000
Selenium	10	2	-1.8	<10	-1.1	<10	-1.1	<10	-1.5	<10
Silver	10	.5	anr							
Sodium	10000	500	6.6	<10000	55.2	<10000	45.8	<10000	50.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10751 Units: ug/l

Time:			12:10		13:01		13:52		14:43	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.6	<200	5.4	<200	9.3	<200	0.50	<200
Antimony	6.0	1.3	-0.70	<6.0	-0.90	<6.0	-1.3	<6.0	-0.80	<6.0
Arsenic	10	1.6	0.20	<10	0.70	<10	0.40	<10	-0.40	<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	10.5	<1000	10.5	<1000	17.9	<1000	17.3	<1000
Chromium	10	1.8	0.40	<10	0.30	<10	0.0	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.7	<300	8.7	<300	8.8	<300	10.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	7.2	<5000	17.2	<5000	-3.5	<5000	11.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	31.1	<10000	7.8	<10000	4.7	<10000	42.8	<10000
Selenium	10	2	-0.90	<10	-0.60	<10	-0.50	<10	-1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	67.2	<10000	125	<10000	120	<10000	89.6	<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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10751 Units: ug/l

Time:			15:16		16:09		16:59		17:32	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.3	<200	8.7	<200	7.0	<200	5.7	<200
Antimony	6.0	1.3	0.0	<6.0	0.60	<6.0	0.50	<6.0	0.20	<6.0
Arsenic	10	1.6	0.90	<10	1.2	<10	1.3	<10	0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	18.1	<1000	6.0	<1000	4.6	<1000	7.9	<1000
Chromium	10	1.8	0.30	<10	0.40	<10	0.40	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	12.9	<300	19.3	<300	10.2	<300	12.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-1.7	<5000	2.5	<5000	-17	<5000	5.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	14.7	<10000	219	<10000	49.4	<10000	23.3	<10000
Selenium	10	2	1.1	<10	1.9	<10	0.80	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	6.8	<10000	184	<10000	4.4	<10000	-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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10751 Units: ug/l

Time:		08:57			09:34			10:28	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	40500	101.3	40000	42000	105.0
Antimony	2000	1960	98.0	2000	2010	100.5	2000	1920	96.0
Arsenic	2000	1960	98.0	2000	2000	100.0	2000	1930	96.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	1960	98.0	2000	1980	99.0	2000	2030	101.5
Calcium	40000	40600	101.5	40000	40800	102.0	40000	42200	105.5
Chromium	2000	1950	97.5	2000	1980	99.0	2000	2080	104.0
Cobalt	anr								
Copper	anr								
Iron	40000	40100	100.3	40000	40800	102.0	40000	39900	99.8
Lead	anr								
Magnesium	40000	41100	102.8	40000	41300	103.3	40000	41300	103.3
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41600	104.0	40000	41900	104.8	40000	40700	101.8
Selenium	2000	1960	98.0	2000	2010	100.5	2000	1930	96.5
Silver	anr								
Sodium	40000	40300	100.8	40000	40600	101.5	40000	42300	105.8
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10751 Units: ug/l

Time:		11:17			12:06			12:57	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42300	105.8	40000	40500	101.3	40000	41600	104.0
Antimony	2000	1960	98.0	2000	1920	96.0	2000	1950	97.5
Arsenic	2000	1970	98.5	2000	1920	96.0	2000	1960	98.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	1990	99.5	2000	2020	101.0
Calcium	40000	42600	106.5	40000	40800	102.0	40000	42000	105.0
Chromium	2000	2110	105.5	2000	2000	100.0	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	39100	97.8	40000	40100	100.3
Lead	anr								
Magnesium	40000	42200	105.5	40000	40400	101.0	40000	41500	103.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41800	104.5	40000	40400	101.0	40000	41800	104.5
Selenium	2000	1970	98.5	2000	1920	96.0	2000	1960	98.0
Silver	anr								
Sodium	40000	42500	106.3	40000	40800	102.0	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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10751 Units: ug/l

Time:		13:48			14:39			15:10	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	43100	107.8	40000	41600	104.0
Antimony	2000	1900	95.0	2000	1940	97.0	2000	2050	102.5
Arsenic	2000	1910	95.5	2000	1960	98.0	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	1980	99.0	2000	2060	103.0	2000	2100	105.0
Calcium	40000	41600	104.0	40000	43300	108.3	40000	41900	104.8
Chromium	2000	2030	101.5	2000	2140	107.0	2000	2100	105.0
Cobalt	anr								
Copper	anr								
Iron	40000	39600	99.0	40000	40800	102.0	40000	41000	102.5
Lead	anr								
Magnesium	40000	41200	103.0	40000	42300	105.8	40000	41700	104.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41400	103.5	40000	42200	105.5	40000	41100	102.8
Selenium	2000	1910	95.5	2000	1960	98.0	2000	2050	102.5
Silver	anr								
Sodium	40000	41600	104.0	40000	43500	108.8	40000	41700	104.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10751 Units: ug/l

Time:		16:05			16:55			17:28	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38500	96.3	40000	39500	98.8	40000	38500	96.3
Antimony	2000	2020	101.0	2000	2080	104.0	2000	2020	101.0
Arsenic	2000	2000	100.0	2000	2080	104.0	2000	2000	100.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	1980	99.0	2000	2040	102.0	2000	1980	99.0
Calcium	40000	38900	97.3	40000	39700	99.3	40000	38900	97.3
Chromium	2000	1940	97.0	2000	2010	100.5	2000	1940	97.0
Cobalt	anr								
Copper	anr								
Iron	40000	39500	98.8	40000	39800	99.5	40000	39900	99.8
Lead	anr								
Magnesium	40000	39300	98.3	40000	39500	98.8	40000	39500	98.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39500	98.8	40000	41600	104.0	40000	39400	98.5
Selenium	2000	2010	100.5	2000	1970	98.5	2000	2010	100.5
Silver	anr								
Sodium	40000	38800	97.0	40000	40400	101.0	40000	38400	96.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10751 Units: ug/l

Time:		08:42	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79100	98.9
Antimony	4000	3880	97.0
Arsenic	4000	3900	97.5
Barium	anr		
Beryllium	anr		
Cadmium	4000	3820	95.5
Calcium	80000	79000	98.8
Chromium	4000	3870	96.8
Cobalt	anr		
Copper	anr		
Iron	80000	78800	98.5
Lead	anr		
Magnesium	80000	79500	99.4
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	80800	101.0
Selenium	4000	3870	96.8
Silver	anr		
Sodium	80000	78700	98.4
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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10751 Units: ug/l

Time:			09:07		17:15	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	213	106.5	214	107.0
Antimony	10	5.0	5.3	106.0	5.1	102.0
Arsenic	20	10	10.8	108.0	10.9	109.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.0	100.0	5.2	104.0
Calcium	2000	1000	1020	102.0	1040	104.0
Chromium	20	10	9.7	97.0	10.4	104.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	313	104.3	325	108.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5200	104.0	5170	103.4
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	10500	105.0	10200	102.0
Selenium	20	10	8.8	88.0	11.2	112.0
Silver	20	10	anr			
Sodium	20000	10000	9850	98.5	10000	100.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10751 Units: ug/l

Time:			09:15		09:23		17:19		17:24	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	484000	96.8	496000	99.2	497000	99.4	489000	97.8
Antimony		1000	0.0		1010	101.0	-0.40		1040	104.0
Arsenic		1000	0.20		1020	102.0	1.4		1050	105.0
Barium		500	-0.10		508	101.6	0.20		507	101.4
Beryllium		500	0.0		464	92.8	0.10		461	92.2
Cadmium		1000	0.0		868	86.8	0.10		891	89.1
Calcium	500000	500000	467000	93.4	474000	94.8	479000	95.8	473000	94.6
Chromium		500	-0.10		444	88.8	-0.30		452	90.4
Cobalt		500	0.20		427	85.4	0.40		439	87.8
Copper		500	0.0		489	97.8	0.0		500	100.0
Iron	200000	200000	181000	90.5	187000	93.5	193000	96.5	189000	94.5
Lead		1000	-0.20		845	84.5	1.4		865	86.5
Magnesium	500000	500000	472000	94.4	491000	98.2	487000	97.4	489000	97.8
Manganese		500	0.30		478	95.6	0.50		487	97.4
Molybdenum		1000	-0.20		894	89.4	-0.10		920	92.0
Nickel		1000	0.80		890	89.0	0.60		909	90.9
Potassium			25.6		73.5		138		135	
Selenium		1000	0.0		961	96.1	2.1		991	99.1
Silver		1000	0.30		933	93.3	-0.10		955	95.5
Sodium			111		212		148		150	
Strontium		1000	11.9		958	95.8	12.2		966	96.6
Thallium		1000	1.1		881	88.1	1.5		895	89.5
Tin		1000	-1.0		904	90.4	-1.2		924	92.4
Titanium		1000	-4.9		966	96.6	-5.2		979	97.9
Vanadium		500	0.80		452	90.4	0.70		462	92.4
Zinc		1000	-0.90		873	87.3	-0.30		892	89.2

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25151
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	1.3	1.3		
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	66.0	<1000
Chromium	10	1.8	2	-0.30	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29		
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	3.9	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200		
Selenium	10	2	2	0.80	<10
Silver	10	.5	.5		
Sodium	10000	500	500	53.2	<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 MP25151: FA4340-1

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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25151
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:	05/14/13						05/14/13		
Metal	FA4554-1 Original	DUP	RPD	QC Limits	FA4554-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	0.0	0.0	NC	0-20	0.0	1980	2000	99.0	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	48.5	50	97.0	80-120
Calcium	99900	101000	1.1	0-20	99900	122000	25000	88.4	80-120
Chromium	0.0	0.0	NC	0-20	0.0	206	200	103.0	80-120
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium	647	647	0.0	0-20	647	25200	25000	98.2	80-120
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.0	0.0	NC	0-20	0.0	1890	2000	94.5	80-120
Silver	anr								
Sodium	22000	22400	1.8	0-20	22000	46600	25000	98.4	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP25151: FA4340-1

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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25151
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/13

Metal	FA4554-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.0	2070	2000	103.5	4.4	20
Barium	anr					
Beryllium						
Cadmium	0.0	50.4	50	100.8	3.8	20
Calcium	99900	127000	25000	108.4	4.0	20
Chromium	0.0	215	200	107.5	4.3	20
Cobalt						
Copper	anr					
Iron						
Lead	anr					
Magnesium	647	25900	25000	101.0	2.7	20
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	0.0	1960	2000	98.0	3.6	20
Silver	anr					
Sodium	22000	48300	25000	105.2	3.6	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP25151: FA4340-1

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: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25151
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	2120	2000	106.0	80-120
Barium	anr			
Beryllium				
Cadmium	54.6	50	109.2	80-120
Calcium	28500	25000	114.0	80-120
Chromium	225	200	112.5	80-120
Cobalt				
Copper	anr			
Iron				
Lead	anr			
Magnesium	27400	25000	109.6	80-120
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	2110	2000	105.5	80-120
Silver	anr			
Sodium	28300	25000	113.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25151: FA4340-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25151
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/13

Metal	FA4554-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	99900	103000	3.2	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron				
Lead	anr			
Magnesium	647	668	3.3	0-10
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	22000	22700	3.0	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25151: FA4340-1

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

POST DIGESTATE SPIKE SUMMARY

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25151
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/13

Metal	Sample ml	Final ml	FA4554-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic	9.8	10	0	0	100.8	0.2	5	100	100.8	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	50	0.2	2.5	50	100.0	80-120
Calcium	9.8	10	99940	97941.2	102300	0.2	250	5000	87.2	80-120
Chromium	9.8	10	0	0	52.6	0.2	2.5	50	105.2	80-120
Cobalt										
Copper										
Iron										
Lead										
Magnesium	9.8	10	646.6	633.668	5331	0.2	250	5000	93.9	80-120
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	9.8	10	0	0	97.1	0.2	5	100	97.1	80-120
Silver										
Sodium	9.8	10	22000	21560	31160	0.2	500	10000	96.0	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25151: FA4340-1

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: FA4340
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	GN55603	5.0	2.3	mg/l	250	250	100.0	90-113%
Chloride	GP21603/GN55630	2.0	0.0	mg/l	50	52.4	104.8	90-110%
Fluoride	GP21663/GN55785	0.20	0.0	mg/l	2.5	2.26	90.4	90-110%
Nitrogen, Nitrate	GP21603/GN55630	0.10	0.0	mg/l	2.5	2.71	108.4	90-110%
Phosphate, Ortho	GP21593/GN55579	0.10	0.0	mg/l	0.30	0.31	102.0	83-116%
Phosphorus, Total	GP21619/GN55677	0.10	0.0	mg/l	.300	0.31	105.0	81-118%
Solids, Total Dissolved	GN55656	100	0.0	mg/l				
Specific Conductivity	GN55576	1.0	0.0	umhos/cm				
Sulfate	GP21603/GN55630	2.0	0.0	mg/l	50	50.2	100.4	90-110%

Associated Samples:
Batch GN55576: FA4340-1
Batch GN55603: FA4340-1
Batch GN55656: FA4340-1
Batch GP21593: FA4340-1F
Batch GP21603: FA4340-1
Batch GP21619: FA4340-1
Batch GP21663: FA4340-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4340
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	GN55603	FA4315-4	mg/l	43.3	43.0	0.7	0-20%
Phosphorus, Total	GP21619/GN55677	FA4363-1	mg/l	2.8	2.9	2.3	0-22%
Solids, Total Dissolved	GN55656	FA4379-1	mg/l	1800	1810	0.6	0-5%
Specific Conductivity	GN55576	FA4340-1	umhos/cm	13600	13600	0.2	0-10%
pH	GN55575	FA4341-1	su	7.54	7.48	0.8	0-10%

Associated Samples:
Batch GN55575: FA4340-1
Batch GN55576: FA4340-1
Batch GN55603: FA4340-1
Batch GN55656: FA4340-1
Batch GP21619: FA4340-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4340
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	GN55603	FA4315-4	mg/l	43.3	250	290	98.7	90-113%
Chloride	GP21603/GN55630	FA4340-1	mg/l	160 U	50	167	334.0	90-110%
Fluoride	GP21663/GN55785	FA4383-1	mg/l	0.35	2.5	2.7	94.0	90-110%
Nitrogen, Nitrate	GP21603/GN55630	FA4340-1	mg/l	10 U	2.5	0.0	0.0	90-110%
Phosphate, Ortho	GP21593/GN55579	FA4340-1F	mg/l	1930	3000	5200	108.1	83-116%
Phosphorus, Total	GP21619/GN55677	FA4363-1	mg/l	2.8	.300	3.1	110.0	81-118%
Sulfate	GP21603/GN55630	FA4340-1	mg/l	12700	50	11700	-2000.0	90-110%

Associated Samples:
Batch GN55603: FA4340-1
Batch GP21593: FA4340-1F
Batch GP21603: FA4340-1
Batch GP21619: FA4340-1
Batch GP21663: FA4340-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4340
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	GP21603/GN55630	FA4340-1	mg/l	160 U	50	183	9.1	20%
Fluoride	GP21663/GN55785	FA4383-1	mg/l	0.35	2.5	2.8	3.6	20%
Nitrogen, Nitrate	GP21603/GN55630	FA4340-1	mg/l	10 U	2.5	0.0	0.0	20%
Phosphate, Ortho	GP21593/GN55579	FA4340-1F	mg/l	1930	3000	5160	0.4	26%
Phosphorus, Total	GP21619/GN55677	FA4363-1	mg/l	2.8	.300	3.12	0.7	22%
Sulfate	GP21603/GN55630	FA4340-1	mg/l	12700	50	11900	1.7	20%

Associated Samples:
Batch GP21593: FA4340-1F
Batch GP21603: FA4340-1
Batch GP21619: FA4340-1
Batch GP21663: FA4340-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313070501.TXT Date Analyzed: 05/07/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55630
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:14	GN55630-CCV1	1		
09:38	GP21611-MB1	1		
09:55	GP21611-B1	1		
10:46	ZZZZZZ	1		
12:27	GN55630-CCV2	1		
12:44	GN55630-CCB1	1		
13:01	ZZZZZZ	5		
13:18	FA4373-4	1		(sample used for QC only; not part of login FA4340)
13:35	GP21603-MB1	1		
13:52	GP21603-B1	1		
14:09	FA4340-1	200		
14:25	GP21603-S1	200		
14:42	GP21603-S2	200		
15:16	FA4379-1	5		(sample used for QC only; not part of login FA4340)
15:33	ZZZZZZ	5		
15:50	GN55630-CCV3	1		
16:07	GN55630-CCB2	1		
16:24	ZZZZZZ	5		
16:41	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:15	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:49	ZZZZZZ	1		
18:05	ZZZZZZ	1		
18:22	ZZZZZZ	1		
18:39	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:13	GN55630-CCV4	1		
19:30	GN55630-CCB3	1		
19:47	GP21611-S1	5		
20:04	GP21611-S2	5		
20:21	GP21611-S3	1		
20:38	GP21611-S4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313070501.TXT Date Analyzed: 05/07/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55630
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:55	ZZZZZZ	25		
21:12	ZZZZZZ	25		
21:46	ZZZZZZ	500		
22:03	ZZZZZZ	100		
22:20	ZZZZZZ	500		
22:37	GN55630-CCV5	1		
22:53	GN55630-CCB4	1		
23:10	ZZZZZZ	200		
23:27	ZZZZZZ	100		
23:44	ZZZZZZ	500		
00:01	ZZZZZZ	500		
00:18	ZZZZZZ	500		
00:35	ZZZZZZ	500		
00:52	ZZZZZZ	500		
01:09	ZZZZZZ	500		
01:26	ZZZZZZ	500		
01:43	ZZZZZZ	500		
02:00	GN55630-CCV6	1		
02:17	GN55630-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313070501.TXT Date Analyzed: 05/07/13 Methods: EPA 300/SW846 9056A
Run ID: GN55630 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55630-CCV1	Chloride	51.6	2.0	0.80	50	103.2	90-110
GN55630-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55630-CCV1	Sulfate	52.9	2.0	0.60	50	105.8	90-110
GN55630-CCV2	Chloride	52.0	2.0	0.80	50	104.0	90-110
GN55630-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55630-CCV2	Sulfate	52.8	2.0	0.60	50	105.6	90-110
GN55630-CCB1	Chloride	0.80 U	2.0	0.80			
GN55630-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55630-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55630-CCV3	Chloride	52.3	2.0	0.80	50	104.6	90-110
GN55630-CCV3	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55630-CCV3	Sulfate	53.9	2.0	0.60	50	107.8	90-110
GN55630-CCB2	Chloride	0.80 U	2.0	0.80			
GN55630-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55630-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55630-CCV4	Chloride	52.2	2.0	0.80	50	104.4	90-110
GN55630-CCV4	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55630-CCV4	Sulfate	54.2	2.0	0.60	50	108.4	90-110
GN55630-CCB3	Chloride	0.80 U	2.0	0.80			
GN55630-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55630-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55630-CCV5	Chloride	50.9	2.0	0.80	50	101.8	90-110
GN55630-CCV5	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55630-CCV5	Sulfate	53.3	2.0	0.60	50	106.6	90-110
GN55630-CCB4	Chloride	0.80 U	2.0	0.80			
GN55630-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55630-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55630-CCV6	Chloride	50.2	2.0	0.80	50	100.4	90-110
GN55630-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55630-CCV6	Sulfate	52.8	2.0	0.60	50	105.6	90-110
GN55630-CCB5	Chloride	0.80 U	2.0	0.80			
GN55630-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55630-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213160501.TXT Date Analyzed: 05/16/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55785
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:24	GN55785-CCV1	1		
14:41	GP21663-MB1	1		
15:15	GP21663-B1	1		
16:44	ZZZZZZ	1		
17:01	ZZZZZZ	1		
17:18	ZZZZZZ	10		
17:35	GN55785-CCV2	1		
17:51	GN55785-CCB1	1		
18:08	ZZZZZZ	5		
18:25	ZZZZZZ	25		
18:42	ZZZZZZ	1		
18:59	ZZZZZZ	5		
19:16	ZZZZZZ	1		
19:33	ZZZZZZ	5		
19:50	ZZZZZZ	1		
20:07	ZZZZZZ	1		
20:24	FA4383-1	1		(sample used for QC only; not part of login FA4340)
20:41	ZZZZZZ	2		
20:58	GN55785-CCV3	1		
21:15	GN55785-CCB2	1		
21:32	ZZZZZZ	2		
21:48	ZZZZZZ	2		
22:22	FA4340-1	2000		
23:30	GP21663-S3	1		
23:47	GP21663-S4	1		
00:04	GN55785-CCV4	1		
00:21	GN55785-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4340
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213160501.TXT Date Analyzed: 05/16/13 Methods: EPA 300/SW846 9056A
Run ID: GN55785 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55785-CCV1	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN55785-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN55785-CCB1	Fluoride	0.060 U	0.20	0.060			
GN55785-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN55785-CCB2	Fluoride	0.060 U	0.20	0.060			
GN55785-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN55785-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

05/23/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA4507

Sampling Date: 05/09/13

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: **84**

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

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA4507

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
FA4507-1	05/09/13	10:55	TP	05/10/13	AQ	Ground Water	A-34-022
FA4507-1F	05/09/13	10:55	TP	05/10/13	AQ	Groundwater Filtered	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA4507

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 5/22/2013 7:54:08 PM

1 Sample was collected on 05/09/2013 and was received at Accutest SE on 05/10/2013 properly preserved, at 3 Deg. C and intact. The Sample received an Accutest job number of FA4507. 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:** MP25160

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) FA4507-1DUP, FA4507-1MS, FA4507-1MSD, FA4507-1PS, FA4507-1SDL were used as the QC samples for metals.

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

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

RPD(s) for Serial Dilution for Arsenic, Aluminum, Cadmium, Calcium, Chromium, Iron, Magnesium, Potassium, Sodium are outside control limits for sample MP25160-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP25160-SD1 for Magnesium: Serial dilution indicates possible matrix interference.

MP25160-SD1 for Potassium: Serial dilution indicates possible matrix interference.

MP25160-SD1 for Sodium: Serial dilution indicates possible matrix interference.

MP25160-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP25160-SD1 for Cadmium: Serial dilution indicates possible matrix interference.

MP25160-SD1 for Calcium: Serial dilution indicates possible matrix interference.

MP25160-SD1 for Chromium: Serial dilution indicates possible matrix interference.

MP25160-SD1 for Aluminum: Serial dilution indicates possible matrix interference.

MP25160-PS1 for Cadmium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25160-PS1 for Sodium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25160-PS1 for Aluminum: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25160-PS1 for Selenium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25160-PS1 for Potassium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25160-PS1 for Magnesium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25160-PS1 for Iron: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25160-PS1 for Chromium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25160-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP25160

FA4507-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA4507-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA4507-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA4507-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA4507-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA4507-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55675

Sample(s) FA4507-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA4507-1. Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21632

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) FA4213-20MS, FA4213-20MSD 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. For method performance in a clean matrix, refer to Blank Spike.

Matrix: AQ **Batch ID:** GP21691

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) FA4469-1MS, FA4469-1MSD were used as the QC samples for Fluoride.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21629

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) FA4507-1FMSD, FA4507-1FMS 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. For method performance in a clean matrix, refer to Blank Spike.

Matrix: AQ **Batch ID:** GP21638

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4507-1DUP, FA4507-1MS, FA4507-1MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN55674

Sample(s) FA4493-1DUP was used as the QC sample for pH.

FA4507-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55712

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4379-1DUP, FA4379-1MS 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:** GN55774

All method blanks for this batch meet method specific criteria.

Sample(s) FA4647-2DUP was used as the QC sample for Solids, Total Dissolved.

The following samples were run outside of holding time for method SM19 2540C: FA4507-1. Originally ran in hold. Re-ran at dilution beyond hold time. See GN55829 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: May 22, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA4507
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/09/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4507-1	**A-34-022**					
Aluminum		1220	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.240	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		2.76	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		569	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.45	0.050	0.010	mg/l	SW846 6010C
Iron		1270	1.5	0.15	mg/l	SW846 6010C
Magnesium		865	25	0.37	mg/l	SW846 6010C
Potassium		366	50	1.0	mg/l	SW846 6010C
Sodium		600	100	5.0	mg/l	SW846 6010C
Chloride		123 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		7060	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		15600	5000	1400	mg/l	EPA 365.3
Solids, Total Dissolved [b]		24600	100	10	mg/l	SM19 2540C
Specific Conductivity [c]		14000	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		9820	400	120	mg/l	EPA 300/SW846 9056A
pH [d]		2.31			su	SM 4500H B/SW 9040C
FA4507-1F	**A-34-022**					
Phosphate, Ortho		21700	5000	950	mg/l	EPA 365.3

(a) Elevated reporting limit(s) due to matrix interference.
(b) Originally ran in hold. Re-ran at dilution beyond hold time. See GN55829 for confirmation only.
(c) Sample analyzed beyond hold time.
(d) Field analysis required. Received out of hold time and analyzed by request.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA4507-1	**Date Sampled:**	05/09/13
Matrix:	AQ - Ground Water	**Date Received:**	05/10/13
		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	1220	1.0	0.075	mg/l	5	05/16/13	05/17/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	05/16/13	05/17/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	0.240	0.050	0.013	mg/l	5	05/16/13	05/17/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	2.76	0.025	0.0025	mg/l	5	05/16/13	05/17/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	569	5.0	0.25	mg/l	5	05/16/13	05/17/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	2.45	0.050	0.010	mg/l	5	05/16/13	05/17/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	1270	1.5	0.15	mg/l	5	05/16/13	05/17/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	865	25	0.37	mg/l	5	05/16/13	05/17/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	366	50	1.0	mg/l	5	05/16/13	05/17/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	05/16/13	05/17/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	600	100	5.0	mg/l	10	05/16/13	05/21/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10756
(2) Instrument QC Batch: MA10761
(3) Prep QC Batch: MP25160

(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:	FA4507-1	**Date Sampled:**	05/09/13
Matrix:	AQ - Ground Water	**Date Received:**	05/10/13
		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	05/13/13 14:42	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/13/13 14:42	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	05/13/13 14:42	HH	SM19 2320B
Chloride	123 J	200	80	mg/l	100	05/10/13 11:58	AA	EPA 300/SW846 9056A
Fluoride	7060	400	120	mg/l	2000	05/21/13 13:23	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	5.0 U	10	5.0	mg/l	100	05/10/13 11:58	AA	EPA 300/SW846 9056A
Phosphorus, Total	15600	5000	1400	mg/l	50000	05/13/13 09:40	LE	EPA 365.3
Solids, Total Dissolved [a]	24600	100	10	mg/l	1	05/16/13 14:55	KC	SM19 2540C
Specific Conductivity [b]	14000	1.0	1.0	umhos/cm	1	05/10/13 12:50	AC	EPA 120.1
Sulfate	9820	400	120	mg/l	200	05/10/13 12:15	AA	EPA 300/SW846 9056A
pH [c]	2.31			su	1	05/10/13 12:50	AC	SM 4500H B/SW 9040C

(a) Originally ran in hold. Re-ran at dilution beyond hold time. See GN55829 for confirmation only.
(b) Sample analyzed beyond hold time.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA4507-1F	**Date Sampled:**	05/09/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	05/10/13
		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	21700	5000	950	mg/l	50000	05/10/13 11:10	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

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 # FA4507

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: AGREHM
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	MeOH+HNO3	DI WATER	MeOH	SEE ATTACHED	LAB USE ONLY
1	A-34-022	050413	1055	TZP	GW	4		X			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	050413 1150	2	3 05-10-13	930	4
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 3.0

FA4507: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA4507 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 05-10-13 930 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3228 5420

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.6
- [ ] CORRECTED TEMPS: 3.0

SAMPLE INFORMATION

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

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE RWilm 05-10-13 REVIEWER SIGNATURE/DATE Le 5-10-13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA4507: 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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:18	MA10751-STD1	1		STDA
08:22	MA10751-STD2	1		STDB
08:26	MA10751-STD3	1		STDC
08:35	MA10751-STD4	1		STDD
08:42	MA10751-HSTD1	1		
08:57	MA10751-ICV1	1		
09:03	MA10751-ICB1	1		
09:07	MA10751-CRIA1	1		
09:15	MA10751-ICSA1	1		
09:23	MA10751-ICSAB1	1		
09:34	MA10751-CCV1	1		
09:41	MA10751-CCB1	1		
09:46	MP25157-MB1	1		
09:50	MP25157-B1	1		
09:54	FA4379-1	1		(sample used for QC only; not part of login FA4507)
09:58	MP25157-D1	1		
10:02	MP25157-SD1	5		
10:07	MP25157-PS1	1		
10:11	MP25157-S1	1		
10:15	MP25157-S2	1		
10:20	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:28	MA10751-CCV2	1		
10:32	MA10751-CCB2	1		
10:36	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:44	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:57	ZZZZZZ	1		
11:01	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:13	ZZZZZZ	1		
11:17	MA10751-CCV3	1		
11:21	MA10751-CCB3	1		
11:25	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:33	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:42	MP25157-MB2A	1		
11:46	MP25158-MB1	1		
11:50	MP25158-B1	1		
11:54	FA4487-1	1		(sample used for QC only; not part of login FA4507)
11:58	MP25158-D1	1		
12:02	MP25158-SD1	5		
12:06	MA10751-CCV4	1		
12:10	MA10751-CCB4	1		
12:15	MP25158-S1	1		
12:19	MP25158-S2	1		
12:23	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:31	FA4531-1	1		(sample used for QC only; not part of login FA4507)
12:35	ZZZZZZ	1		
12:40	MP25158-D2	1		
12:44	MP25158-D3	1		
12:48	MP25158-MB2	1		
12:53	MP25158-B2	1		
12:57	MA10751-CCV5	1		
13:01	MA10751-CCB5	1		
13:05	MP25158-MB3	1		
13:09	MP25158-B3	1		
13:13	ZZZZZZ	5		
13:18	ZZZZZZ	5		
13:22	ZZZZZZ	5		
13:26	ZZZZZZ	20		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:30	ZZZZZZ	5		
13:35	ZZZZZZ	5		
13:39	ZZZZZZ	5		
13:43	ZZZZZZ	5		
13:48	MA10751-CCV6	1		
13:52	MA10751-CCB6	1		
13:56	ZZZZZZ	5		
14:00	ZZZZZZ	5		
14:05	ZZZZZZ	5		
14:09	ZZZZZZ	5		
14:13	ZZZZZZ	5		
14:18	ZZZZZZ	5		
14:22	ZZZZZZ	5		
14:27	ZZZZZZ	5		
14:31	ZZZZZZ	4		
14:35	ZZZZZZ	4		
14:39	MA10751-CCV7	1		
14:43	MA10751-CCB7	1		
15:10	MA10751-CCV8	1		
15:16	MA10751-CCB8	1		
15:19	ZZZZZZ	4		
15:23	MP25160-MB1	1		
15:28	MP25160-B1	1		
---------->	Last reportable sample/prep for job FA4507			
16:01	ZZZZZZ	1		
16:05	MA10751-CCV9	1		
16:09	MA10751-CCB9	1		
16:13	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:38	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:42	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:51	ZZZZZZ	1		
16:55	MA10751-CCV10	1		
16:59	MA10751-CCB10	1		
17:03	ZZZZZZ	1		
17:07	ZZZZZZ	1		
17:11	ZZZZZZ	1		
17:15	MA10751-CRIA2	1		
17:19	MA10751-ICSA2	1		
17:24	MA10751-ICSAB2	1		
17:28	MA10751-CCV11	1		
17:32	MA10751-CCB11	1		

----------> Last reportable CCB for job FA4507
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:18	MA10751-STD1	7992	49689	7785	3307
08:22	MA10751-STD2	8006	48948	7802	3067
08:26	MA10751-STD3	7913	48943	7865	2806
08:35	MA10751-STD4	7451	45931	7825	2456
08:42	MA10751-HSTD1	7603	46319	7286	2518
08:57	MA10751-ICV1	7777	47551	7217	2740
09:03	MA10751-ICB1	8087 R	50511 R	7322 R	3363 R
09:07	MA10751-CRIA1	7967	50737	7507	3227
09:15	MA10751-ICSA1	7134	43850	7281	2462
09:23	MA10751-ICSAB1	6982	42378	7114	2388
09:34	MA10751-CCV1	7689	47322	7364	2736
09:41	MA10751-CCB1	8226	50858	7567	3369
09:46	MP25157-MB1	7954	49820	7380	3266
09:50	MP25157-B1	7952	49119	7596	2995
09:54	FA4379-1	9762	60548	9501	2704
09:58	MP25157-D1	7773	48076	7598	2680
10:02	MP25157-SD1	8595	52356	8190	3052
10:07	MP25157-PS1	9566	58476	9437	2557
10:11	MP25157-S1	8052	48730	7978	2519
10:15	MP25157-S2	7874	47771	7821	2520
10:20	ZZZZZZ	7815	47017	7740	2976
10:24	ZZZZZZ	7850	47590	7351	2991
10:28	MA10751-CCV2	7645	46039	7275	2645
10:32	MA10751-CCB2	8045	48788	7416	3242
10:36	ZZZZZZ	7956	48173	7410	3111
10:40	ZZZZZZ	8201	50518	7558	3336
10:44	ZZZZZZ	8148	50070	7629	3206
10:49	ZZZZZZ	7881	48134	7345	3097
10:53	ZZZZZZ	8425	51322	7690	3360
10:57	ZZZZZZ	8032	49634	7486	3213
11:01	ZZZZZZ	7866	47679	7328	2974
11:05	ZZZZZZ	7975	48501	7405	3002
11:09	ZZZZZZ	7874	48340	7220	3083

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:13	ZZZZZZ	7854	48311	7338	3013
11:17	MA10751-CCV3	7658	45778	7199	2661
11:21	MA10751-CCB3	7942	48136	7176	3215
11:25	ZZZZZZ	8236	49433	7553	2871
11:29	ZZZZZZ	8002	49054	7395	3177
11:33	ZZZZZZ	7772	48067	7355	3038
11:38	ZZZZZZ	8171	48366	7522	3300
11:42	MP25157-MB2A	No results reported for the elements associated with this internal standard.			
11:46	MP25158-MB1	8279	50863	7557	3365
11:50	MP25158-B1	7848	47640	7353	2879
11:54	FA4487-1	7539	44749	7049	2743
11:58	MP25158-D1	7369	44368	6912	2686
12:02	MP25158-SD1	7906	48356	7356	3073
12:06	MA10751-CCV4	7848	47969	7443	2740
12:10	MA10751-CCB4	7929	48478	7112	3220
12:15	MP25158-S1	7573	45240	7096	2641
12:19	MP25158-S2	7679	46542	7310	2689
12:23	ZZZZZZ	7824	47051	7358	2820
12:27	ZZZZZZ	7713	46988	7267	2858
12:31	FA4531-1	7418	45078	7071	2712
12:35	ZZZZZZ	7738	46252	7430	2849
12:40	MP25158-D2	7503	45609	7140	2753
12:44	MP25158-D3	7507	45328	7005	2728
12:48	MP25158-MB2	7761	46591	7202	2874
12:53	MP25158-B2	7530	44871	6956	2655
12:57	MA10751-CCV5	7784	47168	7235	2700
13:01	MA10751-CCB5	7955	48190	7084	3219
13:05	MP25158-MB3	7577	45470	7018	2801
13:09	MP25158-B3	7634	45678	7176	2683
13:13	ZZZZZZ	8525	51149	8433	2555
13:18	ZZZZZZ	7738	47021	7112	2949
13:22	ZZZZZZ	7681	46412	7037	2861
13:26	ZZZZZZ	8126	48351	7286	3067

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
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	7243	43385	6958	2607
13:35	ZZZZZZ	7084	43055	6934	2524
13:39	ZZZZZZ	7097	43507	6912	2532
13:43	ZZZZZZ	7155	43034	6772	2549
13:48	MA10751-CCV6	7871	46866	7209	2737
13:52	MA10751-CCB6	8053	48416	7073	3253
13:56	ZZZZZZ	7265	43642	7007	2626
14:00	ZZZZZZ	7074	43255	7015	2538
14:05	ZZZZZZ	6955	42733	6947	2461
14:09	ZZZZZZ	7046	42259	6840	2500
14:13	ZZZZZZ	7272	44178	7115	2602
14:18	ZZZZZZ	7367	44904	7205	2566
14:22	ZZZZZZ	7092	42255	6803	2513
14:27	ZZZZZZ	7278	44608	7109	2629
14:31	ZZZZZZ	7898	48128	7271	3051
14:35	ZZZZZZ	7493	45994	7122	2870
14:39	MA10751-CCV7	7598	45020	7019	2627
14:43	MA10751-CCB7	7995	48828	7219	3234
15:10	MA10751-CCV8	7442	44714	6876	2578
15:16	MA10751-CCB8	7928	48118	7050	3197
15:19	ZZZZZZ	7711	47260	7129	2950
15:23	MP25160-MB1	7713	47347	7022	3145
15:28	MP25160-B1	7735	46913	7182	2844
16:01	ZZZZZZ	6987	44082	6720	2761
16:05	MA10751-CCV9	7827	47864	7213	2756
16:09	MA10751-CCB9	8021	49416	7190	3312
16:13	ZZZZZZ	10151	62331	9390	3120
16:18	ZZZZZZ	8185	49632	7220	3265
16:22	ZZZZZZ	8100	49184	7074	3211
16:26	ZZZZZZ	8041	48186	7360	3200
16:30	ZZZZZZ	8293	51311	7616	3149
16:34	ZZZZZZ	10590 !	64340 !	9789 !	2878
16:38	ZZZZZZ	8273	51258	7555	3250

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10751
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:42	ZZZZZZ	9718	60126	9034	2971
16:47	ZZZZZZ	8316	51200	7628	3137
16:51	ZZZZZZ	8227	50110	7381	3191
16:55	MA10751-CCV10	7097	44600	7028	2458
16:59	MA10751-CCB10	8145	49522	7094	3328
17:03	ZZZZZZ	7223	46270	6941	2896
17:07	ZZZZZZ	7876	48299	7070	3177
17:11	ZZZZZZ	8182	50082	7312	3227
17:15	MA10751-CRIA2	7902	48526	7061	3157
17:19	MA10751-ICSA2	7000	41402	6700	2405
17:24	MA10751-ICSAB2	6956	41465	6791	2357
17:28	MA10751-CCV11	7752	47640	7178	2739
17:32	MA10751-CCB11	7865	48177	6924	3242

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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10751 Units: ug/l

Time:			09:03		09:41		10:32		11:21	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-6.4	<200	11.2	<200	8.4	<200	4.3	<200
Antimony	6.0	1.3	0.50	<6.0	-0.80	<6.0	-0.60	<6.0	-0.90	<6.0
Arsenic	10	1.6	0.60	<10	0.10	<10	0.0	<10	0.70	<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	0.20	<5.0
Calcium	1000	50	-4.9	<1000	7.3	<1000	6.5	<1000	8.7	<1000
Chromium	10	1.8	-0.20	<10	-0.20	<10	0.30	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-0.80	<300	2.0	<300	5.3	<300	8.1	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-5.9	<5000	-12	<5000	6.3	<5000	19.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	5.9	<10000	-23	<10000	16.2	<10000	22.9	<10000
Selenium	10	2	-1.8	<10	-1.1	<10	-1.1	<10	-1.5	<10
Silver	10	.5	anr							
Sodium	10000	500	6.6	<10000	55.2	<10000	45.8	<10000	50.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10751 Units: ug/l

Time:			12:10		13:01		13:52		14:43	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.6	<200	5.4	<200	9.3	<200	0.50	<200
Antimony	6.0	1.3	-0.70	<6.0	-0.90	<6.0	-1.3	<6.0	-0.80	<6.0
Arsenic	10	1.6	0.20	<10	0.70	<10	0.40	<10	-0.40	<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	10.5	<1000	10.5	<1000	17.9	<1000	17.3	<1000
Chromium	10	1.8	0.40	<10	0.30	<10	0.0	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.7	<300	8.7	<300	8.8	<300	10.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	7.2	<5000	17.2	<5000	-3.5	<5000	11.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	31.1	<10000	7.8	<10000	4.7	<10000	42.8	<10000
Selenium	10	2	-0.90	<10	-0.60	<10	-0.50	<10	-1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	67.2	<10000	125	<10000	120	<10000	89.6	<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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10751 Units: ug/l

Time:			15:16		16:09		16:59		17:32	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.3	<200	8.7	<200	7.0	<200	5.7	<200
Antimony	6.0	1.3	0.0	<6.0	0.60	<6.0	0.50	<6.0	0.20	<6.0
Arsenic	10	1.6	0.90	<10	1.2	<10	1.3	<10	0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	18.1	<1000	6.0	<1000	4.6	<1000	7.9	<1000
Chromium	10	1.8	0.30	<10	0.40	<10	0.40	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	12.9	<300	19.3	<300	10.2	<300	12.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-1.7	<5000	2.5	<5000	-17	<5000	5.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	14.7	<10000	219	<10000	49.4	<10000	23.3	<10000
Selenium	10	2	1.1	<10	1.9	<10	0.80	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	6.8	<10000	184	<10000	4.4	<10000	-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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10751 Units: ug/l

Time:		08:57			09:34			10:28	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	40500	101.3	40000	42000	105.0
Antimony	2000	1960	98.0	2000	2010	100.5	2000	1920	96.0
Arsenic	2000	1960	98.0	2000	2000	100.0	2000	1930	96.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	1960	98.0	2000	1980	99.0	2000	2030	101.5
Calcium	40000	40600	101.5	40000	40800	102.0	40000	42200	105.5
Chromium	2000	1950	97.5	2000	1980	99.0	2000	2080	104.0
Cobalt	anr								
Copper	anr								
Iron	40000	40100	100.3	40000	40800	102.0	40000	39900	99.8
Lead	anr								
Magnesium	40000	41100	102.8	40000	41300	103.3	40000	41300	103.3
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41600	104.0	40000	41900	104.8	40000	40700	101.8
Selenium	2000	1960	98.0	2000	2010	100.5	2000	1930	96.5
Silver	anr								
Sodium	40000	40300	100.8	40000	40600	101.5	40000	42300	105.8
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10751 Units: ug/l

Time:		11:17			12:06			12:57	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42300	105.8	40000	40500	101.3	40000	41600	104.0
Antimony	2000	1960	98.0	2000	1920	96.0	2000	1950	97.5
Arsenic	2000	1970	98.5	2000	1920	96.0	2000	1960	98.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	1990	99.5	2000	2020	101.0
Calcium	40000	42600	106.5	40000	40800	102.0	40000	42000	105.0
Chromium	2000	2110	105.5	2000	2000	100.0	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	39100	97.8	40000	40100	100.3
Lead	anr								
Magnesium	40000	42200	105.5	40000	40400	101.0	40000	41500	103.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41800	104.5	40000	40400	101.0	40000	41800	104.5
Selenium	2000	1970	98.5	2000	1920	96.0	2000	1960	98.0
Silver	anr								
Sodium	40000	42500	106.3	40000	40800	102.0	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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10751 Units: ug/l

Time:		13:48			14:39			15:10	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41300	103.3	40000	43100	107.8	40000	41600	104.0
Antimony	2000	1900	95.0	2000	1940	97.0	2000	2050	102.5
Arsenic	2000	1910	95.5	2000	1960	98.0	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	1980	99.0	2000	2060	103.0	2000	2100	105.0
Calcium	40000	41600	104.0	40000	43300	108.3	40000	41900	104.8
Chromium	2000	2030	101.5	2000	2140	107.0	2000	2100	105.0
Cobalt	anr								
Copper	anr								
Iron	40000	39600	99.0	40000	40800	102.0	40000	41000	102.5
Lead	anr								
Magnesium	40000	41200	103.0	40000	42300	105.8	40000	41700	104.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41400	103.5	40000	42200	105.5	40000	41100	102.8
Selenium	2000	1910	95.5	2000	1960	98.0	2000	2050	102.5
Silver	anr								
Sodium	40000	41600	104.0	40000	43500	108.8	40000	41700	104.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10751 Units: ug/l

Time:		16:05			16:55			17:28	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38500	96.3	40000	39500	98.8	40000	38500	96.3
Antimony	2000	2020	101.0	2000	2080	104.0	2000	2020	101.0
Arsenic	2000	2000	100.0	2000	2080	104.0	2000	2000	100.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	1980	99.0	2000	2040	102.0	2000	1980	99.0
Calcium	40000	38900	97.3	40000	39700	99.3	40000	38900	97.3
Chromium	2000	1940	97.0	2000	2010	100.5	2000	1940	97.0
Cobalt	anr								
Copper	anr								
Iron	40000	39500	98.8	40000	39800	99.5	40000	39900	99.8
Lead	anr								
Magnesium	40000	39300	98.3	40000	39500	98.8	40000	39500	98.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39500	98.8	40000	41600	104.0	40000	39400	98.5
Selenium	2000	2010	100.5	2000	1970	98.5	2000	2010	100.5
Silver	anr								
Sodium	40000	38800	97.0	40000	40400	101.0	40000	38400	96.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10751 Units: ug/l

Time:		08:42	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79100	98.9
Antimony	4000	3880	97.0
Arsenic	4000	3900	97.5
Barium	anr		
Beryllium	anr		
Cadmium	4000	3820	95.5
Calcium	80000	79000	98.8
Chromium	4000	3870	96.8
Cobalt	anr		
Copper	anr		
Iron	80000	78800	98.5
Lead	anr		
Magnesium	80000	79500	99.4
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	80800	101.0
Selenium	4000	3870	96.8
Silver	anr		
Sodium	80000	78700	98.4
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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10751 Units: ug/l

Time:			09:07		17:15	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	213	106.5	214	107.0
Antimony	10	5.0	5.3	106.0	5.1	102.0
Arsenic	20	10	10.8	108.0	10.9	109.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.0	100.0	5.2	104.0
Calcium	2000	1000	1020	102.0	1040	104.0
Chromium	20	10	9.7	97.0	10.4	104.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	313	104.3	325	108.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5200	104.0	5170	103.4
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	10500	105.0	10200	102.0
Selenium	20	10	8.8	88.0	11.2	112.0
Silver	20	10	anr			
Sodium	20000	10000	9850	98.5	10000	100.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051613M1.ICP Date Analyzed: 05/16/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10751 Units: ug/l

Time:			09:15		09:23		17:19		17:24	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	484000	96.8	496000	99.2	497000	99.4	489000	97.8
Antimony		1000	0.0		1010	101.0	-0.40		1040	104.0
Arsenic		1000	0.20		1020	102.0	1.4		1050	105.0
Barium		500	-0.10		508	101.6	0.20		507	101.4
Beryllium		500	0.0		464	92.8	0.10		461	92.2
Cadmium		1000	0.0		868	86.8	0.10		891	89.1
Calcium	500000	500000	467000	93.4	474000	94.8	479000	95.8	473000	94.6
Chromium		500	-0.10		444	88.8	-0.30		452	90.4
Cobalt		500	0.20		427	85.4	0.40		439	87.8
Copper		500	0.0		489	97.8	0.0		500	100.0
Iron	200000	200000	181000	90.5	187000	93.5	193000	96.5	189000	94.5
Lead		1000	-0.20		845	84.5	1.4		865	86.5
Magnesium	500000	500000	472000	94.4	491000	98.2	487000	97.4	489000	97.8
Manganese		500	0.30		478	95.6	0.50		487	97.4
Molybdenum		1000	-0.20		894	89.4	-0.10		920	92.0
Nickel		1000	0.80		890	89.0	0.60		909	90.9
Potassium			25.6		73.5		138		135	
Selenium		1000	0.0		961	96.1	2.1		991	99.1
Silver		1000	0.30		933	93.3	-0.10		955	95.5
Sodium			111		212		148		150	
Strontium		1000	11.9		958	95.8	12.2		966	96.6
Thallium		1000	1.1		881	88.1	1.5		895	89.5
Tin		1000	-1.0		904	90.4	-1.2		924	92.4
Titanium		1000	-4.9		966	96.6	-5.2		979	97.9
Vanadium		500	0.80		452	90.4	0.70		462	92.4
Zinc		1000	-0.90		873	87.3	-0.30		892	89.2

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10756
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:29	MA10756-STD1	1		STDA
08:33	MA10756-STD2	1		STDB
08:37	MA10756-STD3	1		STDC
08:41	MA10756-STD4	1		STDD
08:50	MA10756-HSTD1	1		
09:00	MA10756-ICV1	1		
09:08	MA10756-ICB1	1		
09:17	MA10756-CRIA1	1		
09:27	MA10756-ICSA1	1		
09:37	MA10756-ICSAB1	1		
09:49	MA10756-CCV1	1		
09:57	MA10756-CCB1	1		
10:10	MP25157-MB2A	1		
10:14	FA4507-1	5		
10:19	MP25160-D1	5		
10:23	MP25160-S1	5		
10:28	MP25160-S2	5		
10:33	MP25160-PS1	5		
10:37	MP25160-SD1	25		
---------->	Last reportable sample/prep for job FA4507			
10:41	ZZZZZZ	4		
10:50	ZZZZZZ	2		
10:54	MP25166-MB1	1		
10:58	MA10756-CCV2	1		
11:02	MA10756-CCB2	1		
11:07	MP25166-B1	1		
11:11	FA4691-1	1		(sample used for QC only; not part of login FA4507)
11:15	MP25166-D1	1		
11:19	MP25166-SD1	5		
11:23	MP25166-PS1	1		
11:27	MP25166-S1	1		
11:31	MP25166-S2	1		
11:35	ZZZZZZ	1		
11:40	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10756
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:44	ZZZZZZ	1		
11:49	MA10756-CCV3	1		
11:53	MA10756-CCB3	1		
11:57	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	MA10756-CCV4	1		
12:44	MA10756-CCB4	1		
12:48	ZZZZZZ	1		
12:53	MA10756-CCV5	1		
12:57	MA10756-CCB5	1		
13:36	MA10756-CCV6	1		
13:53	MA10756-CCB6	1		
14:18	MP25169-MB1	1		
14:22	MP25169-B1	1		
14:26	FA4743-2	1		(sample used for QC only; not part of login FA4507)
14:30	MP25169-D1	1		
14:34	MP25169-SD1	5		
14:38	MP25169-PS1	1		
14:42	MP25169-S1	1		
14:46	MP25169-S2	1		
14:50	ZZZZZZ	1		
14:54	ZZZZZZ	1		
14:59	MA10756-CCV7	1		
15:03	MA10756-CCB7	1		
15:07	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10756
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:11	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:45	MA10756-CRIA2	1		
15:49	MA10756-CCV8	1		
15:53	MA10756-CCB8	1		
15:57	MA10756-ICSA2	1		
16:02	MA10756-ICSAB2	1		
16:06	MA10756-CCV9	1		
16:10	MA10756-CCB9	1		

----------> Last reportable CCB for job FA4507
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10756
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:29	MA10756-STD1	5037	40338	7684	2280
08:33	MA10756-STD2	4942	39135	7630	2120
08:37	MA10756-STD3	4791	37489	7434	1893
08:41	MA10756-STD4	4721	36781	7539	1738
08:50	MA10756-HSTD1	4649	36863	7528	1745
09:00	MA10756-ICV1	4793	37443	7451	1878
09:08	MA10756-ICB1	4994 R	39624 R	7582 R	2245 R
09:17	MA10756-CRIA1	4976	38961	7478	2161
09:27	MA10756-ICSA1	4413	33976	7379	1704
09:37	MA10756-ICSAB1	4431	33749	7366	1658
09:49	MA10756-CCV1	4821	37616	7570	1891
09:57	MA10756-CCB1	4967	39438	7617	2228
10:10	MP25157-MB2A	5015	39757	7687	2269
10:14	FA4507-1	5307	41428	8783	1815
10:19	MP25160-D1	5360	41945	8673	1834
10:23	MP25160-S1	5284	41151	8557	1805
10:28	MP25160-S2	5295	41531	8694	1822
10:33	MP25160-PS1	5284	41289	8627	1798
10:37	MP25160-SD1	4984	38926	7716	2028
10:41	ZZZZZZ	4754	38484	7617	2124
10:50	ZZZZZZ	5864	46545	9281	2143
10:54	MP25166-MB1	5016	41080	7287	2276
10:58	MA10756-CCV2	4791	37871	7587	1909
11:02	MA10756-CCB2	4990	40126	7712	2274
11:07	MP25166-B1	4694	37483	7422	1991
11:11	FA4691-1	5322	41233	8195	2020
11:15	MP25166-D1	5330	41239	8177	2035
11:19	MP25166-SD1	5119	40438	7891	2197
11:23	MP25166-PS1	5273	41106	8262	1998
11:27	MP25166-S1	5079	39606	7843	1930
11:31	MP25166-S2	5186	40243	8090	1913
11:35	ZZZZZZ	5567	42835	8952	1919
11:40	ZZZZZZ	6096	46688	9662 !	1903

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10756
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:44	ZZZZZZ	6748 !	51988 !	10647 !	1867
11:49	MA10756-CCV3	4800	37729	7523	1903
11:53	MA10756-CCB3	4958	39709	7638	2258
11:57	ZZZZZZ	5645	43041	8969	1873
12:02	ZZZZZZ	6252 !	48737	9963 !	1909
12:06	ZZZZZZ	3550	29157	6700	1234 !
12:11	ZZZZZZ	3867	31154	7138	1252 !
12:15	ZZZZZZ	4359	34319	7331	1512
12:19	ZZZZZZ	3979	31963	7111	1279 !
12:23	ZZZZZZ	4450	35228	7744	1397
12:28	ZZZZZZ	3407	28051	6422	1129 !
12:32	ZZZZZZ	10708 !	83301 !	16450 !	2122
12:36	ZZZZZZ	4784	37461	7240	2145
12:40	MA10756-CCV4	4832	37957	7469	1922
12:44	MA10756-CCB4	4906	39468	7453	2233
12:48	ZZZZZZ	4698	37348	7782	1593
12:53	MA10756-CCV5	4715	37088	7292	1875
12:57	MA10756-CCB5	4855	38840	7373	2205
13:36	MA10756-CCV6	4659	36861	7347	1857
13:53	MA10756-CCB6	4861	38615	7426	2203
14:18	MP25169-MB1	4935	38900	7551	2245
14:22	MP25169-B1	4731	36938	7490	1975
14:26	FA4743-2	5638	44763	8844	2105
14:30	MP25169-D1	5746	45109	8787	2123
14:34	MP25169-SD1	5033	40294	7718	2171
14:38	MP25169-PS1	5624	44491	8867	2055
14:42	MP25169-S1	5744	45189	9086	1957
14:46	MP25169-S2	5824	45549	9016	1968
14:50	ZZZZZZ	6759 !	53219 !	10607 !	2019
14:54	ZZZZZZ	5218	41686	8249	2110
14:59	MA10756-CCV7	4638	36414	7215	1844
15:03	MA10756-CCB7	4861	38638	7285	2199
15:07	ZZZZZZ	4992	39078	7685	2126

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10756
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:11	ZZZZZZ	5228	41223	8090	2165
15:15	ZZZZZZ	4945	38678	7864	1901
15:20	ZZZZZZ	4786	38463	7759	2064
15:24	ZZZZZZ	4787	37683	7442	2137
15:28	ZZZZZZ	4924	39529	7871	2146
15:32	ZZZZZZ	5036	40188	7799	2213
15:36	ZZZZZZ	4893	39121	7638	2213
15:41	ZZZZZZ	4922	39212	7575	2222
15:45	MA10756-CRIA2	4791	38552	7390	2156
15:49	MA10756-CCV8	4669	37278	7409	1889
15:53	MA10756-CCB8	4827	39105	7430	2232
15:57	MA10756-ICSA2	4287	33215	7110	1697
16:02	MA10756-ICSAB2	4255	32955	7160	1653
16:06	MA10756-CCV9	4662	37038	7356	1901
16:10	MA10756-CCB9	4879	39013	7440	2245

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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10756 Units: ug/l

Time:			09:08		09:57		11:02		11:53	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.1	<200	4.7	<200	10.9	<200	12.1	<200
Antimony	6.0	1.3	-0.60	<6.0	-2.0	<6.0	-1.2	<6.0	-1.5	<6.0
Arsenic	10	1.6	-0.20	<10	0.20	<10	0.30	<10	0.80	<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	-0.40	<1000	4.7	<1000	5.1	<1000	7.6	<1000
Chromium	10	1.8	-0.20	<10	-0.10	<10	-0.20	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	2.9	<300	5.1	<300	8.3	<300	16.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-20	<5000	-6.8	<5000	-12	<5000	-2.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	25.1	<10000	17.3	<10000	14.6	<10000	9.0	<10000
Selenium	10	2	0.50	<10	-0.60	<10	-0.10	<10	-1.9	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10756 Units: ug/l

Time:			12:44		12:57		13:53		15:03	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.2	<200	7.1	<200	8.6	<200	1.6	<200
Antimony	6.0	1.3	-1.5	<6.0	-1.6	<6.0	-1.4	<6.0	-1.4	<6.0
Arsenic	10	1.6	0.20	<10	0.20	<10	-0.30	<10	0.20	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	13.1	<1000	71.2	<1000	6.0	<1000	4.9	<1000
Chromium	10	1.8	-0.10	<10	-0.30	<10	0.0	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	5.9	<300	12.4	<300	4.7	<300	7.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-8.5	<5000	-6.5	<5000	0.40	<5000	-7.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	7.4	<10000	-7.7	<10000	-0.50	<10000	-18	<10000
Selenium	10	2	0.50	<10	-1.0	<10	-1.1	<10	-1.8	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10756 Units: ug/l

Time:			15:53		16:10	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	10.7	<200	11.8	<200
Antimony	6.0	1.3	-1.3	<6.0	-1.7	<6.0
Arsenic	10	1.6	0.50	<10	0.60	<10
Barium	200	1	anr			
Beryllium	4.0	.5	anr			
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0
Calcium	1000	50	6.2	<1000	11.5	<1000
Chromium	10	1.8	0.30	<10	-0.10	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	10.3	<300	11.1	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	-2.5	<5000	1.0	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	-5.8	<10000	-5.7	<10000
Selenium	10	2	-0.80	<10	-0.90	<10
Silver	10	.5	anr			
Sodium	10000	500	anr			
Strontium	10	.5				
Thallium	10	1.3	anr			
Tin	50	.7				
Titanium	10	.9				
Vanadium	50	.5	anr			
Zinc	20	3	anr			

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10756 Units: ug/l

Time:		09:00			09:49			10:58	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	40200	100.5	40000	40300	100.8
Antimony	2000	1990	99.5	2000	2010	100.5	2000	2100	105.0
Arsenic	2000	2000	100.0	2000	2000	100.0	2000	2070	103.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2050	102.5	2000	2070	103.5
Calcium	40000	41200	103.0	40000	40400	101.0	40000	40500	101.3
Chromium	2000	2050	102.5	2000	2040	102.0	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	40000	100.0	40000	39900	99.8	40000	40800	102.0
Lead	anr								
Magnesium	40000	38700	96.8	40000	40000	100.0	40000	40600	101.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39800	99.5	40000	40100	100.3	40000	40900	102.3
Selenium	2000	2020	101.0	2000	2020	101.0	2000	2100	105.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10756 Units: ug/l

Time:		11:49			12:40			12:53	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	40300	100.8	40000	41100	102.8
Antimony	2000	2090	104.5	2000	2060	103.0	2000	2110	105.5
Arsenic	2000	2070	103.5	2000	2050	102.5	2000	2090	104.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2080	104.0	2000	2050	102.5	2000	2100	105.0
Calcium	40000	40700	101.8	40000	40300	100.8	40000	41200	103.0
Chromium	2000	2060	103.0	2000	2030	101.5	2000	2080	104.0
Cobalt	anr								
Copper	anr								
Iron	40000	40800	102.0	40000	40700	101.8	40000	41400	103.5
Lead	anr								
Magnesium	40000	40800	102.0	40000	40300	100.8	40000	41200	103.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	41600	104.0	40000	42300	105.8
Selenium	2000	2080	104.0	2000	2060	103.0	2000	2100	105.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10756 Units: ug/l

Time:		13:36			14:59			15:49	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41200	103.0	40000	41500	103.8	40000	39800	99.5
Antimony	2000	2140	107.0	2000	2140	107.0	2000	2170	108.5
Arsenic	2000	2120	106.0	2000	2110	105.5	2000	2140	107.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2120	106.0	2000	2100	105.0	2000	2070	103.5
Calcium	40000	41100	102.8	40000	41400	103.5	40000	39800	99.5
Chromium	2000	2090	104.5	2000	2090	104.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	41800	104.5	40000	42400	106.0	40000	41500	103.8
Lead	anr								
Magnesium	40000	41300	103.3	40000	41600	104.0	40000	40600	101.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42800	107.0	40000	42900	107.3	40000	42200	105.5
Selenium	2000	2140	107.0	2000	2140	107.0	2000	2160	108.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10756 Units: ug/l

Time:		16:06	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	39800	99.5
Antimony	2000	2200	110.0
Arsenic	2000	2150	107.5
Barium	anr		
Beryllium	anr		
Cadmium	2000	2070	103.5
Calcium	40000	39900	99.8
Chromium	2000	2040	102.0
Cobalt	anr		
Copper	anr		
Iron	40000	42200	105.5
Lead	anr		
Magnesium	40000	41100	102.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	42800	107.0
Selenium	2000	2170	108.5
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10756 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	4040	101.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3960	99.0
Calcium	80000	78700	98.4
Chromium	4000	3920	98.0
Cobalt	anr		
Copper	anr		
Iron	80000	79800	99.8
Lead	anr		
Magnesium	80000	79300	99.1
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80200	100.3
Selenium	4000	4070	101.8
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10756 Units: ug/l

Time:			09:17		15:45	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	204	102.0	214	107.0
Antimony	10	5.0	4.4	88.0	3.7	74.0
Arsenic	20	10	9.9	99.0	10.7	107.0
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	1020	102.0
Chromium	20	10	10.0	100.0	10.0	100.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	308	102.7	326	108.7
Lead	10	5.0	anr			
Magnesium	10000	5000	4990	99.8	5050	101.0
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9910	99.1	10600	106.0
Selenium	20	10	9.7	97.0	10.5	105.0
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB051713M1.ICP Date Analyzed: 05/17/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10756 Units: ug/l

Time:			09:27		09:37		15:57		16:02	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	493000	98.6	493000	98.6	488000	97.6	486000	97.2
Antimony		1000	-0.70		999	99.9	-2.0		1110	111.0
Arsenic		1000	1.2		1000	100.0	4.1		1090	109.0
Barium		500	0.0		483	96.6	0.10		498	99.6
Beryllium		500	0.0		465	93.0	0.10		438	87.6
Cadmium		1000	0.10		865	86.5	-1.3		885	88.5
Calcium	500000	500000	462000	92.4	461000	92.2	459000	91.8	452000	90.4
Chromium		500	-0.20		451	90.2	-0.10		453	90.6
Cobalt		500	0.40		430	86.0	0.50		440	88.0
Copper		500	0.10		495	99.0	0.90		529	105.8
Iron	200000	200000	183000	91.5	172000	86.0	189000	94.5	183000	91.5
Lead		1000	-0.30		878	87.8	0.70		863	86.3
Magnesium	500000	500000	490000	98.0	480000	96.0	499000	99.8	493000	98.6
Manganese		500	0.90		461	92.2	0.80		496	99.2
Molybdenum		1000	-0.50		924	92.4	-0.60		915	91.5
Nickel		1000	0.10		842	84.2	0.40		925	92.5
Potassium			9.5		33.8		6.8		-0.70	
Selenium		1000	-1.5		958	95.8	-4.6		1050	105.0
Silver		1000	-0.40		932	93.2	-0.50		987	98.7
Sodium			87.2		103		84.8		84.0	
Strontium		1000	12.2		981	98.1	11.6		931	93.1
Thallium		1000	0.0		928	92.8	-1.3		888	88.8
Tin		1000	-0.30		888	88.8	0.0		943	94.3
Titanium		1000	-2.0		970	97.0	-1.9		1070	107.0
Vanadium		500	0.0		452	90.4	0.30		469	93.8
Zinc		1000	0.20		865	86.5	0.20		875	87.5

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10761
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:52	MA10761-STD1	1		STDA
07:55	MA10761-STD2	1		STDB
07:59	MA10761-STD3	1		STDC
08:04	MA10761-STD4	1		STDD
08:10	MA10761-HSTD1	1		
08:20	MA10761-ICV1	1		
08:28	MA10761-ICB1	1		
08:32	MA10761-CRIA1	1		
08:41	MA10761-ICSA1	1		
08:48	MA10761-ICSAB1	1		
08:57	MA10761-CCV1	1		
09:07	MA10761-CCB1	1		
09:11	FA4507-1	10		
09:16	MP25160-D1	10		
09:20	MP25160-S1	10		
09:24	MP25160-S2	10		
09:29	MP25160-PS1	10		
09:33	MP25160-SD1	50		
---------->	Last reportable sample/prep for job FA4507			
09:37	ZZZZZZ	2		
09:42	ZZZZZZ	4		
09:46	ZZZZZZ	4		
09:51	ZZZZZZ	4		
09:55	MA10761-CCV2	1		
09:59	MA10761-CCB2	1		
10:04	ZZZZZZ	2		
10:08	ZZZZZZ	10		
10:13	ZZZZZZ	4		
10:17	ZZZZZZ	5		
10:22	MP25181-MB1	1		
10:26	MP25181-B1	1		
10:30	FA4704-1	1		(sample used for QC only; not part of login FA4507)
10:35	MP25181-D1	1		
10:39	MP25181-SD1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10761
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:44	MP25181-PS1	1		
10:48	MA10761-CCV3	1		
10:53	MA10761-CCB3	1		
10:57	MP25181-S1	1		
11:01	MP25181-S2	1		
11:06	ZZZZZZ	1		
11:10	ZZZZZZ	1		
11:15	ZZZZZZ	1		
11:19	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:33	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:42	MA10761-CCV4	1		
11:46	MA10761-CCB4	1		
11:50	ZZZZZZ	1		
11:55	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:13	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:22	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:35	MA10761-CCV5	1		
12:40	MA10761-CCB5	1		
12:44	FA4737-1	5		(sample used for QC only; not part of login FA4507)
12:49	MP25170-D1	5		
12:54	MP25170-S1	5		
12:58	MP25170-S2	5		
13:03	MP25170-PS1	5		
13:07	MP25170-SD1	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10761
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:12	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	MA10761-CCV6	1		
13:35	MA10761-CCB6	1		
13:39	ZZZZZZ	1		
14:07	ZZZZZZ	5		
14:11	ZZZZZZ	4		
14:16	MP25185-MB1	1		
14:21	MP25185-B1	1		
14:25	MA10761-CCV7	1		
14:29	MA10761-CCB7	1		
14:34	FA4697-1F	1		(sample used for QC only; not part of login FA4507)
14:38	MP25185-D1	1		
14:43	MP25185-SD1	5		
14:47	MP25185-PS1	1		
14:52	MP25185-S1	1		
14:56	MP25185-S2	1		
15:00	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:09	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:18	MA10761-CCV8	1		
15:23	MA10761-CCB8	1		
15:27	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:59	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10761
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:03	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:12	MA10761-CCV9	1		
16:17	MA10761-CCB9	1		
16:21	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:35	ZZZZZZ	2		
16:39	ZZZZZZ	5		
16:44	MP25184-MB1	1		
16:48	MP25184-B1	1		
16:53	FA4422-1	1		(sample used for QC only; not part of login FA4507)
16:57	MP25184-D1	1		
17:02	MP25184-SD1	5		
17:06	MA10761-CCV10	1		
17:11	MA10761-CCB10	1		
17:15	MP25184-S1	1		
17:20	MP25184-S2	1		
17:24	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:33	ZZZZZZ	1		
17:38	MA10761-CRIA2	1		
17:42	MA10761-ICSA2	1		
17:47	MA10761-ICSAB2	1		
18:01	MA10761-CCV11	1		
18:05	MA10761-CCB11	1		
---------->	Last reportable CCB for job FA4507			
18:23	MA10761-CCV12	1		
18:27	MA10761-CCB12	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10761
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:52	MA10761-STD1	2023	20553	8837	1197
07:55	MA10761-STD2	1994	20412	8812	1136
07:59	MA10761-STD3	1953	20292	8785	1057
08:04	MA10761-STD4	1849	19604	8531	957
08:10	MA10761-HSTD1	1863	19683	8623	963
08:20	MA10761-ICV1	1932	20021	8757	1044
08:28	MA10761-ICB1	2034 R	20674 R	8729 R	1200 R
08:32	MA10761-CRIA1	2043	20952	8900	1185
08:41	MA10761-ICSA1	1761	18633	8265	906
08:48	MA10761-ICSAB1	1757	18284	8228	890
08:57	MA10761-CCV1	1956	20256	8692	1051
09:07	MA10761-CCB1	2042	20889	8793	1205
09:11	FA4507-1	2030	21035	9022	1042
09:16	MP25160-D1	2032	20856	9011	1024
09:20	MP25160-S1	2040	20936	9046	1034
09:24	MP25160-S2	2035	20912	8986	1043
09:29	MP25160-PS1	2061	21239	9021	1051
09:33	MP25160-SD1	2049	21002	8813	1144
09:37	ZZZZZZ	2064	21284	9125	1046
09:42	ZZZZZZ	2116	21565	9239	1096
09:46	ZZZZZZ	2175	21975	9431	1095
09:51	ZZZZZZ	2127	21499	9177	1124
09:55	MA10761-CCV2	1960	20405	8635	1056
09:59	MA10761-CCB2	2034	20829	8821	1203
10:04	ZZZZZZ	2178	22541	9690	1049
10:08	ZZZZZZ	2246	22871	9657	1209
10:13	ZZZZZZ	1904	20018	8623	996
10:17	ZZZZZZ	1964	20568	8750	1082
10:22	MP25181-MB1	2010	20797	8755	1199
10:26	MP25181-B1	1944	20526	8682	1087
10:30	FA4704-1	1871	19808	8515	1060
10:35	MP25181-D1	1869	19728	8524	1054
10:39	MP25181-SD1	1998	20748	8746	1165

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10761
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:44	MP25181-PS1	1882	20074	8579	1052
10:48	MA10761-CCV3	1969	20668	8756	1068
10:53	MA10761-CCB3	2003	20800	8696	1192
10:57	MP25181-S1	1847	19755	8480	1005
11:01	MP25181-S2	1836	19570	8453	1000
11:06	ZZZZZZ	1863	19836	8520	1050
11:10	ZZZZZZ	1896	20436	8686	1084
11:15	ZZZZZZ	1889	20334	8620	1083
11:19	ZZZZZZ	1872	20100	8646	1065
11:24	ZZZZZZ	1886	19993	8586	1072
11:28	ZZZZZZ	1872	20004	8622	1053
11:33	ZZZZZZ	1901	20264	8586	1086
11:37	ZZZZZZ	1914	20376	8629	1104
11:42	MA10761-CCV4	1910	20254	8582	1040
11:46	MA10761-CCB4	2008	21166	8753	1201
11:50	ZZZZZZ	1891	20178	8619	1094
11:55	ZZZZZZ	1985	20792	8508	1187
11:59	ZZZZZZ	1991	20887	8775	1176
12:04	ZZZZZZ	1988	20915	8707	1182
12:08	ZZZZZZ	1985	20987	8878	1178
12:13	ZZZZZZ	1969	20184	8807	1156
12:17	ZZZZZZ	1944	20721	8932	1113
12:22	ZZZZZZ	1962	20662	8749	1161
12:26	ZZZZZZ	1971	21062	8816	1179
12:31	ZZZZZZ	1969	20727	8752	1181
12:35	MA10761-CCV5	1928	20626	8702	1050
12:40	MA10761-CCB5	1995	20990	8710	1193
12:44	FA4737-1	1833	19687	8541	974
12:49	MP25170-D1	1824	19481	8489	945
12:54	MP25170-S1	1839	19814	8578	945
12:58	MP25170-S2	1867	20165	8695	943
13:03	MP25170-PS1	1858	20022	8599	987
13:07	MP25170-SD1	1913	20399	8561	1097

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10761
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:12	ZZZZZZ	2220	23963	10359	931
13:16	ZZZZZZ	2280	24288	10414	1008
13:21	ZZZZZZ	2328	24635	10494	1003
13:26	ZZZZZZ	2549	26839	11402	1041
13:30	MA10761-CCV6	1943	20470	8778	1051
13:35	MA10761-CCB6	1976	20470	8630	1170
13:39	ZZZZZZ	2256	23840	10213	1003
14:07	ZZZZZZ	1879	20311	8865	975
14:11	ZZZZZZ	1839	20443	8838	969
14:16	MP25185-MB1	1965	20896	8952	1180
14:21	MP25185-B1	1893	20253	8962	1066
14:25	MA10761-CCV7	1915	20500	8704	1040
14:29	MA10761-CCB7	1989	20888	8722	1188
14:34	FA4697-1F	1822	19812	8557	1027
14:38	MP25185-D1	1830	20108	8374	1033
14:43	MP25185-SD1	1951	20415	8689	1136
14:47	MP25185-PS1	1834	19640	8435	1022
14:52	MP25185-S1	1820	19837	8473	994
14:56	MP25185-S2	1803	19907	8214	982
15:00	ZZZZZZ	1816	19519	8461	1028
15:05	ZZZZZZ	1746	19273	8292	978
15:09	ZZZZZZ	1828	19794	8477	1054
15:14	ZZZZZZ	1786	19312	8311	1005
15:18	MA10761-CCV8	1892	20167	8622	1031
15:23	MA10761-CCB8	1969	20802	8628	1186
15:27	ZZZZZZ	1850	19874	8559	1080
15:32	ZZZZZZ	1941	20880	8587	1179
15:36	ZZZZZZ	1898	20460	8716	1138
15:41	ZZZZZZ	1881	20235	8501	1109
15:45	ZZZZZZ	1930	20648	8695	1151
15:50	ZZZZZZ	1834	19878	8483	1063
15:54	ZZZZZZ	1819	19974	8405	1058
15:59	ZZZZZZ	1821	20017	8420	1055

INTERNAL STANDARD SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10761
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:03	ZZZZZZ	1669	18886	8179	927
16:08	ZZZZZZ	1845	19961	8552	1099
16:12	MA10761-CCV9	1821	19911	8375	1005
16:17	MA10761-CCB9	1934	20573	8566	1168
16:21	ZZZZZZ	1859	20379	8532	1111
16:26	ZZZZZZ	1828	20110	8535	1075
16:30	ZZZZZZ	1848	20287	8655	1090
16:35	ZZZZZZ	2778 !	29870 !	12442 !	1104
16:39	ZZZZZZ	2370	25380	10554	1151
16:44	MP25184-MB1	1922	20710	8600	1168
16:48	MP25184-B1	1759	19755	8361	1013
16:53	FA4422-1	1726	18996	8430	968
16:57	MP25184-D1	1743	19040	8175	975
17:02	MP25184-SD1	1871	20290	8512	1100
17:06	MA10761-CCV10	1813	19872	8400	999
17:11	MA10761-CCB10	1877	20284	8570	1135
17:15	MP25184-S1	1742	19012	8170	940
17:20	MP25184-S2	1752	18911	8100	945
17:24	ZZZZZZ	1773	20103	8276	1017
17:29	ZZZZZZ	1760	19490	8255	985
17:33	ZZZZZZ	1783	19607	8397	1026
17:38	MA10761-CRIA2	1913	20523	8560	1132
17:42	MA10761-ICSA2	1672	18435	8082	874
17:47	MA10761-ICSAB2	1665	18502	8068	861
18:01	MA10761-CCV11	1827	19900	8454	1002
18:05	MA10761-CCB11	1876	20104	8429	1135
18:23	MA10761-CCV12	1788	19536	8335	994
18:27	MA10761-CCB12	1919	20506	8607	1161

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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10761 Units: ug/l

Time:			08:28		09:07		09:59		10:53	
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	-3.9	<10000	2.3	<10000	7.6	<10000	13.4	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10761 Units: ug/l

Time:			11:46		12:40		13:35		14:29	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15								
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	anr							
Calcium	1000	50								
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74								
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	13.1	<10000	10.4	<10000	3.6	<10000	0.30	<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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10761 Units: ug/l

Time:			15:23		16:17		17:11		18:05	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15								
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	anr							
Calcium	1000	50								
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74								
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	13.8	<10000	15.9	<10000	17.4	<10000	11.4	<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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10761 Units: ug/l

Time:		08:20			08:57			09:55	
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	41100	102.8	40000	39200	98.0	40000	38600	96.5
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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10761 Units: ug/l

Time:		10:48			11:42			12:35	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	38000	95.0	40000	38700	96.8	40000	38300	95.8
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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10761 Units: ug/l

Time:		13:30			14:25			15:18	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	38000	95.0	40000	39900	99.8	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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10761 Units: ug/l

Time:		16:12			17:06			18:01	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	42800	107.0	40000	41900	104.8	40000	41400	103.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10761 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	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	80000	80000	100.0
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10761 Units: ug/l

Time:			08:32		17:38	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	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	9850	98.5	10500	105.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10761 Units: ug/l

Time:			08:41		08:48		17:42		17:47	
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	524000	104.8	508000	101.6	512000	102.4
Antimony		1000	0.0		1020	102.0	-0.80		1080	108.0
Arsenic		1000	-1.1		1030	103.0	-2.0		1090	109.0
Barium		500	0.20		522	104.4	0.20		524	104.8
Beryllium		500	0.0		497	99.4	-0.10		493	98.6
Cadmium		1000	0.0		910	91.0	0.0		955	95.5
Calcium	500000	500000	486000	97.2	494000	98.8	489000	97.8	498000	99.6
Chromium		500	-0.20		469	93.8	-0.50		463	92.6
Cobalt		500	-0.70		453	90.6	-0.90		482	96.4
Copper		500	1.0		545	109.0	0.90		528	105.6
Iron	200000	200000	188000	94.0	193000	96.5	192000	96.0	195000	97.5
Lead		1000	0.0		940	94.0	2.5		955	95.5
Magnesium	500000	500000	517000	103.4	524000	104.8	517000	103.4	513000	102.6
Manganese		500	0.10		486	97.2	-0.20		476	95.2
Molybdenum		1000	0.0		944	94.4	0.10		1000	100.0
Nickel		1000	0.90		902	90.2	0.20		936	93.6
Potassium			3.0		31.7		-4.3		50.8	
Selenium		1000	0.0		980	98.0	-4.9		1040	104.0
Silver		1000	0.60		965	96.5	0.30		940	94.0
Sodium			69.5		128		118		186	
Strontium		1000	11.9		1030	103.0	12.2		1020	102.0
Thallium		1000	0.50		934	93.4	0.30		958	95.8
Tin		1000	1.7		925	92.5	1.5		953	95.3
Titanium		1000	-4.2		992	99.2	-4.3		969	96.9
Vanadium		500	0.0		481	96.2	0.10		465	93.0
Zinc		1000	-3.1		924	92.4	-3.4		944	94.4

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25160
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/16/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	7.6	<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	-2.4	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	1.9	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-1.5	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-5.7	<10000
Selenium	10	2	2	1.3	<10
Silver	10	.5	.5		
Sodium	10000	500	500	-16	<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 MP25160: FA4507-1

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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25160
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/16/13 05/16/13

Metal	FA4507-1 Original	DUP	RPD	QC Limits	FA4507-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1220000	1210000	0.8	0-20	1220000	1230000	27000	37.0 (b)	80-120
Antimony	0.0	0.0 (a)	NC	0-20	0.0	475 (a)	500	95.0	80-120
Arsenic	200	240 (a)	0.0	0-20	200	2140 (a)	2000	95.0	80-120
Barium									
Beryllium									
Cadmium	2620	2720 (a)	1.5	0-20	2620	2770 (a)	50	20.0 (b)	80-120
Calcium	548000	571000(a	0.4	0-20	548000	591000(a	25000	88.0	80-120
Chromium	2320	2410 (a)	1.6	0-20	2320	2610 (a)	200	80.0	80-120
Cobalt									
Copper									
Iron	1250000	1300000	2.3	0-20	1250000	1290000	26000	76.9 (b)	80-120
Lead	anr								
Magnesium	865000	872000	0.8	0-20	865000	887000	25000	88.0	80-120
Manganese	anr								
Molybdenum									
Nickel									
Potassium	366000	366000	0.0	0-20	366000	386000	25000	80.0	80-120
Selenium	0.0	0.0 (a)	NC	0-20	0.0	1980 (a)	2000	99.0	80-120
Silver									
Sodium	642000	729000	19.4	0-20	642000	708000	25000	432.0(b)	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP25160: FA4507-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Elevated reporting limit(s) due to matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25160
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/16/13

Metal	FA4507-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	1220000	1190000	27000	-111.1(a	3.3	20
Antimony	0.0	466 (b)	500	93.2	1.9	20
Arsenic	200	2120 (b)	2000	94.0	0.9	20
Barium						
Beryllium						
Cadmium	2620	2710 (b)	50	-100.0(a	2.2	20
Calcium	548000	576000(b	25000	28.0 (a)	2.6	20
Chromium	2320	2550 (b)	200	50.0 (a)	2.3	20
Cobalt						
Copper						
Iron	1250000	1280000	26000	38.5 (a)	0.8	20
Lead	anr					
Magnesium	865000	870000	25000	20.0 (a)	1.9	20
Manganese	anr					
Molybdenum						
Nickel						
Potassium	366000	380000	25000	56.0 (a)	1.6	20
Selenium	0.0	1940 (b)	2000	97.0	2.0	20
Silver						
Sodium	642000	605000	25000	20.0 (a)	15.7	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP25160: FA4507-1

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25160
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/16/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28500	27000	105.6	80-120
Antimony	522	500	104.4	80-120
Arsenic	2070	2000	103.5	80-120
Barium				
Beryllium				
Cadmium	53.4	50	106.8	80-120
Calcium	26900	25000	107.6	80-120
Chromium	214	200	107.0	80-120
Cobalt				
Copper				
Iron	27600	26000	106.2	80-120
Lead	anr			
Magnesium	26300	25000	105.2	80-120
Manganese	anr			
Molybdenum				
Nickel				
Potassium	26100	25000	104.4	80-120
Selenium	2070	2000	103.5	80-120
Silver				
Sodium	26400	25000	105.6	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP25160: FA4507-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25160
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/16/13

Metal	FA4507-1 Original	SDL 5:25	%DIF	QC Limits
Aluminum	1220000	1360000	11.5*(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	200	271	12.8 (b)	0-10
Barium				
Beryllium				
Cadmium	2620	3280	18.7*(a)	0-10
Calcium	548000	669000	17.7*(a)	0-10
Chromium	2320	2830	15.8*(a)	0-10
Cobalt				
Copper				
Iron	1250000	1580000	24.4*(a)	0-10
Lead	anr			
Magnesium	865000	975000	12.7*(a)	0-10
Manganese	anr			
Molybdenum				
Nickel				
Potassium	366000	405000	10.7*(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	642000	720000	20.0*(a)	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP25160: FA4507-1

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: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25160
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/16/13

Metal	Sample ml	Final ml	FA4507-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	1215000	1190700	1299000	0.2	125	2500	4332.0*a	80-120
Antimony	9.8	10	0	0	82.1	0.2	5	100	82.1	80-120
Arsenic	9.8	10	199.8	235.494	354.4	0.2	5	100	118.9	80-120
Barium										
Beryllium										
Cadmium	9.8	10	2621	2704.8	2958	0.2	2.5	50	506.4*(a	80-120
Calcium	9.8	10	548200	557130	608500	0.2	250	5000	1027.4*a	80-120
Chromium	9.8	10	2319	2399.04	2632	0.2	2.5	50	465.9*(a	80-120
Cobalt										
Copper										
Iron	9.8	10	1250000	1245580	1371000	0.2	150	3000	4180.7*a	80-120
Lead										
Magnesium	9.8	10	865000	847700	930800	0.2	250	5000	1662.0*a	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	365800	358484	397000	0.2	500	10000	385.2*(a	80-120
Selenium	9.8	10	0	0	75.3	0.2	5	100	75.3*(a)	80-120
Silver										
Sodium	9.8	10	641500	588294	619300	0.2	500	10000	310.1*(a	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25160: FA4507-1

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: FA4507
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	GN55712	5.0	2.4	mg/l	250	250	100.0	90-113%
Chloride	GP21632/GN55698	2.0	0.0	mg/l	50	51.1	102.2	90-110%
Fluoride	GP21691/GN55864	0.20	0.0	mg/l	2.5	2.28	91.2	90-110%
Nitrogen, Nitrate	GP21632/GN55698	0.10	0.0	mg/l	2.5	2.40	96.0	90-110%
Phosphate, Ortho	GP21629/GN55683	0.10	0.0	mg/l	.300	0.27	91.4	83-116%
Phosphorus, Total	GP21638/GN55716	0.10	0.0	mg/l	.300	0.28	94.5	81-118%
Solids, Total Dissolved	GN55774	100	16.0	mg/l				
Sulfate	GP21632/GN55698	2.0	0.0	mg/l	50	46.2	92.4	90-110%

Associated Samples:
Batch GN55712: FA4507-1
Batch GN55774: FA4507-1
Batch GP21629: FA4507-1F
Batch GP21632: FA4507-1
Batch GP21638: FA4507-1
Batch GP21691: FA4507-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4507
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	GN55712	FA4379-1	mg/l	402	402	0.0	0-20%
Phosphorus, Total	GP21638/GN55716	FA4507-1	mg/l	15600	16300	4.1	0-22%
Solids, Total Dissolved	GN55774	FA4647-2	mg/l	238	233	2.1	0-5%
Specific Conductivity	GN55675	FA4507-1	umhos/cm	14000	14000	0.2	0-10%
pH	GN55674	FA4493-1	su	6.04	6.02	0.3	0-10%

Associated Samples:
Batch GN55674: FA4507-1
Batch GN55675: FA4507-1
Batch GN55712: FA4507-1
Batch GN55774: FA4507-1
Batch GP21638: FA4507-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4507
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	GN55712	FA4379-1	mg/l	402	250	502	40.0*(a)	90-113%
Chloride	GP21632/GN55698	FA4213-20	mg/l	21.3	50	72.8	103.0	90-110%
Fluoride	GP21691/GN55864	FA4469-1	mg/l	0.12 U	2.5	2.7	108.0	90-110%
Nitrogen, Nitrate	GP21632/GN55698	FA4213-20	mg/l	1.8	2.5	4.6	112.0N(a)	90-110%
Phosphate, Ortho	GP21629/GN55683	FA4507-1F	mg/l	21700	30000	25300	11.9*(a)	83-116%
Phosphorus, Total	GP21638/GN55716	FA4507-1	mg/l	15600	30000	44400	96.0	81-118%
Sulfate	GP21632/GN55698	FA4213-20	mg/l	14.8	50	67.4	105.2	90-110%

Associated Samples:
Batch GN55712: FA4507-1
Batch GP21629: FA4507-1F
Batch GP21632: FA4507-1
Batch GP21638: FA4507-1
Batch GP21691: FA4507-1
(*) 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: FA4507
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	GP21632/GN55698	FA4213-20	mg/l	21.3	50	72.8	0.0	20%
Fluoride	GP21691/GN55864	FA4469-1	mg/l	0.12 U	2.5	2.8	3.6	20%
Nitrogen, Nitrate	GP21632/GN55698	FA4213-20	mg/l	1.8	2.5	4.6	0.0	20%
Phosphate, Ortho	GP21629/GN55683	FA4507-1F	mg/l	21700	30000	26200	3.3	26%
Phosphorus, Total	GP21638/GN55716	FA4507-1	mg/l	15600	30000	45100	1.5	22%
Sulfate	GP21632/GN55698	FA4213-20	mg/l	14.8	50	67.4	0.0	20%

Associated Samples:
Batch GP21629: FA4507-1F
Batch GP21632: FA4507-1
Batch GP21638: FA4507-1
Batch GP21691: FA4507-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313100501.TXT Date Analyzed: 05/10/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55698
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:51	GN55698-CCV1	1		
10:08	GP21632-MB1	1		
10:49	GP21632-B1	1		
11:41	ZZZZZZ	1		
11:58	FA4507-1	100		
12:15	FA4507-1	200		
12:32	ZZZZZZ	5		
12:49	ZZZZZZ	1		
13:06	FA4213-20	1		(sample used for QC only; not part of login FA4507)
13:23	GN55698-CCV2	1		
13:40	GN55698-CCB1	1		
14:13	ZZZZZZ	5		
14:30	ZZZZZZ	5		
14:47	ZZZZZZ	1		
15:04	ZZZZZZ	5		
15:21	ZZZZZZ	5		
15:38	ZZZZZZ	10		
15:55	ZZZZZZ	100		
16:11	ZZZZZZ	50		
16:28	ZZZZZZ	5		
16:45	GN55698-CCV3	1		
17:02	GN55698-CCB2	1		
17:19	ZZZZZZ	1		
17:36	ZZZZZZ	1		
17:53	ZZZZZZ	1		
18:10	ZZZZZZ	1		
18:27	FA4295-4	1		(sample used for QC only; not part of login FA4507)
18:43	GP21632-S1	1		
19:00	GP21632-S2	1		
19:17	GP21632-S3	1		
19:34	GP21632-S4	1		
19:51	ZZZZZZ	5		
20:08	GN55698-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313100501.TXT Date Analyzed: 05/10/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55698
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:25	GP21631-MB1	1		
20:42	GP21631-B1	1		
20:59	FA4053-2	1		(sample used for QC only; not part of login FA4507)
21:16	ZZZZZZ	1		
21:33	ZZZZZZ	1		
21:50	ZZZZZZ	1		
22:06	ZZZZZZ	1		
22:23	ZZZZZZ	5		
22:40	ZZZZZZ	1		
23:14	GN55698-CCV5	1		
23:31	GN55698-CCB3	1		
23:48	ZZZZZZ	1		
00:05	ZZZZZZ	1		
00:22	ZZZZZZ	5		
00:39	FA4118-7	1		(sample used for QC only; not part of login FA4507)
00:56	GP21631-S1	1		
01:13	GP21631-S2	1		
01:30	GP21631-S3	1		
01:46	GP21631-S4	1		
02:20	GN55698-CCV6	1		
02:37	GN55698-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313100501.TXT Date Analyzed: 05/10/13 Methods: EPA 300/SW846 9056A
Run ID: GN55698 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55698-CCV1	Chloride	50.0	2.0	0.80	50	100.0	90-110
GN55698-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN55698-CCV1	Sulfate	48.6	2.0	0.60	50	97.2	90-110
GN55698-CCV2	Chloride	48.7	2.0	0.80	50	97.4	90-110
GN55698-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN55698-CCV2	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN55698-CCB1	Chloride	0.80 U	2.0	0.80			
GN55698-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55698-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55698-CCV3	Chloride	49.1	2.0	0.80	50	98.2	90-110
GN55698-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN55698-CCV3	Sulfate	51.0	2.0	0.60	50	102.0	90-110
GN55698-CCB2	Chloride	0.80 U	2.0	0.80			
GN55698-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55698-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55698-CCV4	Chloride	50.6	2.0	0.80	50	101.2	90-110
GN55698-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55698-CCV4	Sulfate	52.6	2.0	0.60	50	105.2	90-110
GN55698-CCV5	Chloride	49.5	2.0	0.80	50	99.0	90-110
GN55698-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55698-CCV5	Sulfate	52.4	2.0	0.60	50	104.8	90-110
GN55698-CCB3	Chloride	0.80 U	2.0	0.80			
GN55698-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55698-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55698-CCV6	Chloride	50.8	2.0	0.80	50	101.6	90-110
GN55698-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55698-CCV6	Sulfate	53.9	2.0	0.60	50	107.8	90-110
GN55698-CCB4	Chloride	0.80 U	2.0	0.80			
GN55698-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55698-CCB4	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213210501.TXT Date Analyzed: 05/21/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55864
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:10	GN55864-CCV1	1		
09:27	GP21691-MB1	1		
10:34	GP21691-B1	1		
11:08	FA4469-1	2		(sample used for QC only; not part of login FA4507)
11:25	ZZZZZZ	5		
11:42	ZZZZZZ	5		
11:59	ZZZZZZ	2		
12:16	GN55864-CCV2	1		
12:32	GN55864-CCB1	1		
12:49	ZZZZZZ	2		
13:06	ZZZZZZ	2		
13:23	FA4507-1	2000		
13:40	ZZZZZZ	2000		
13:57	ZZZZZZ	2000		
14:32	GP21691-S1	2		
14:49	GP21691-S2	2		
15:27	GN55864-CCV3	1		
15:43	GN55864-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4507
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213210501.TXT Date Analyzed: 05/21/13 Methods: EPA 300/SW846 9056A
Run ID: GN55864 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55864-CCV1	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN55864-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55864-CCB1	Fluoride	0.060 U	0.20	0.060			
GN55864-CCV3	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55864-CCB2	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

05/28/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA4690

Sampling Date: 05/15/13

Report to:

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

ATTN: Tim Huff

Total number of pages in report: **90**

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: FA4690

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
FA4690-1	05/15/13	10:15	TP	05/16/13	AQ	Ground Water	A-34-022
FA4690-1F	05/15/13	10:15	TP	05/16/13	AQ	Ground Water	A-34-022
FA4690-2	05/15/13	10:20	TP	05/16/13	AQ	Ground Water	DUP 05152013
FA4690-2F	05/15/13	10:20	TP	05/16/13	AQ	Ground Water	DUP 05152013

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA4690

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 5/28/2013 12:56:53 PM

2 Sample(s) were collected on 05/15/2013 and were received at Accutest SE on 05/16/2013 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of FA4690. 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:** MP25173

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) FA4770-1DUP, FA4770-1MS, FA4770-1MSD, FA4770-1PS, FA4770-1SDL were used as the QC samples for metals.

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

Matrix Spike Duplicate Recovery(s) for Potassium, Selenium are outside control limits. Spike recovery indicates possible matrix interference.

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

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

MP25173-PS1 for Potassium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25173-PS1 for Magnesium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25173-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25173-PS1 for Sodium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA4690-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA4690-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA4690-2 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA4690-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA4690-2 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA4690-2 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA4690-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA4690-2 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA4690-2 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA4690-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA4690-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA4690-2 for Chromium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55771

All method blanks for this batch meet method specific criteria.

Sample(s) FA4690-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA4690-1, FA4690-2.

FA4690-1, FA4690-2 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:** GP21664

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) FA4698-3MS, FA4698-3MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

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

FA4690-1 for Chloride: Dilution required due to matrix interference.

FA4690-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA4690-2 for Chloride: Dilution required due to matrix interference.

FA4690-2 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21691

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) FA4469-1MS, FA4469-1MSD were used as the QC samples for Fluoride.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21662

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) FA4690-1DUP, FA4690-1MSD were used as the QC samples for Phosphorus, Total.

Matrix Spike Recovery(s) for Phosphorus, Total are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Matrix: AQ **Batch ID:** GP21674

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) FA4708-5MS, FA4708-5MSD were used as the QC samples for Phosphate, Ortho.

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

Matrix: AQ **Batch ID:** GN55772

Sample(s) FA4690-1DUP was used as the QC sample for pH.

FA4690-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA4690-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55830

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4648-2DUP, FA4648-2MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55829

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4647-8DUP was used as the QC sample for Solids, Total Dissolved.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN55829-D1. RPD acceptable due to low duplicate and sample concentrations.

Matrix: AQ **Batch ID:** GN55879

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4694-5DUP 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: May 28, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA4690
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/15/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4690-1	**A-34-022**					
Aluminum		1290	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.246	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		2.88	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		609	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.38	0.050	0.010	mg/l	SW846 6010C
Iron		1330	1.5	0.15	mg/l	SW846 6010C
Magnesium		949	25	0.37	mg/l	SW846 6010C
Potassium		383	50	1.0	mg/l	SW846 6010C
Sodium		760	200	10	mg/l	SW846 6010C
Chloride [b]		128 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		8790	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2570	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved		20900	2000	200	mg/l	SM19 2540C
Specific Conductivity [c]		12900	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		12800	400	120	mg/l	EPA 300/SW846 9056A
pH [d]		2.16			su	SM 4500H B/SW 9040C
FA4690-1F	**A-34-022**					
Phosphate, Ortho		1860	1000	190	mg/l	EPA 365.3
FA4690-2	**DUP 05152013**					
Aluminum		1230	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.236	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		2.80	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		584	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.45	0.050	0.010	mg/l	SW846 6010C
Iron		1300	1.5	0.15	mg/l	SW846 6010C
Magnesium		914	25	0.37	mg/l	SW846 6010C
Potassium		377	50	1.0	mg/l	SW846 6010C
Sodium		710	200	10	mg/l	SW846 6010C
Chloride [b]		131 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		9770	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2280	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved		19100	100	10	mg/l	SM19 2540C
Specific Conductivity [c]		13100	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		12900	400	120	mg/l	EPA 300/SW846 9056A
pH [d]		2.17			su	SM 4500H B/SW 9040C
FA4690-2F	**DUP 05152013**					
Phosphate, Ortho		1670	1000	190	mg/l	EPA 365.3

Summary of Hits

Job Number: FA4690
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/15/13

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 & analyzed by request.
(d) Field analysis required. Received out of hold time and analyzed by request.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA4690-1	**Date Sampled:**	05/15/13
Matrix:	AQ - Ground Water	**Date Received:**	05/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1290	1.0	0.075	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	0.246	0.050	0.013	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	2.88	0.025	0.0025	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	609	5.0	0.25	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	2.38	0.050	0.010	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	1330	1.5	0.15	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	949	25	0.37	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	383	50	1.0	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	760	200	10	mg/l	20	05/20/13	05/23/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10766
(2) Instrument QC Batch: MA10772
(3) Prep QC Batch: MP25173

(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:	FA4690-1	**Date Sampled:**	05/15/13
Matrix:	AQ - Ground Water	**Date Received:**	05/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	05/20/13 14:15	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/20/13 14:15	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	05/20/13 14:15	HH	SM19 2320B
Chloride [a]	128 J	200	80	mg/l	100	05/16/13 11:03	AA	EPA 300/SW846 9056A
Fluoride	8790	400	120	mg/l	2000	05/21/13 13:40	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	05/16/13 11:03	AA	EPA 300/SW846 9056A
Phosphorus, Total	2570	1000	280	mg/l	10000	05/17/13 09:00	LE	EPA 365.3
Solids, Total Dissolved	20900	2000	200	mg/l	20	05/22/13 15:50	KC	SM19 2540C
Specific Conductivity [b]	12900	1.0	1.0	umhos/cm	1	05/16/13 11:45	AC	EPA 120.1
Sulfate	12800	400	120	mg/l	200	05/16/13 11:20	AA	EPA 300/SW846 9056A
pH [c]	2.16			su	1	05/16/13 12:00	AC	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:	FA4690-1F	**Date Sampled:**	05/15/13
Matrix:	AQ - Ground Water	**Date Received:**	05/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	1860	1000	190	mg/l	10000	05/16/13 15:00	JA	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	DUP 05152013		
Lab Sample ID:	FA4690-2	**Date Sampled:**	05/15/13
Matrix:	AQ - Ground Water	**Date Received:**	05/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1230	1.0	0.075	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	0.236	0.050	0.013	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	2.80	0.025	0.0025	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	584	5.0	0.25	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	2.45	0.050	0.010	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	1300	1.5	0.15	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	914	25	0.37	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	377	50	1.0	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	05/20/13	05/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	710	200	10	mg/l	20	05/20/13	05/23/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10766
(2) Instrument QC Batch: MA10772
(3) Prep QC Batch: MP25173

(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:	DUP 05152013		
Lab Sample ID:	FA4690-2	**Date Sampled:**	05/15/13
Matrix:	AQ - Ground Water	**Date Received:**	05/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	05/20/13 14:15	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/20/13 14:15	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	05/20/13 14:15	HH	SM19 2320B
Chloride [a]	131 J	200	80	mg/l	100	05/16/13 11:37	AA	EPA 300/SW846 9056A
Fluoride	9770	400	120	mg/l	2000	05/21/13 13:57	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	05/16/13 11:37	AA	EPA 300/SW846 9056A
Phosphorus, Total	2280	1000	280	mg/l	10000	05/17/13 09:00	LE	EPA 365.3
Solids, Total Dissolved	19100	100	10	mg/l	1	05/20/13 15:50	KC	SM19 2540C
Specific Conductivity [b]	13100	1.0	1.0	umhos/cm	1	05/16/13 11:45	AC	EPA 120.1
Sulfate	12900	400	120	mg/l	200	05/16/13 11:54	AA	EPA 300/SW846 9056A
pH [c]	2.17			su	1	05/16/13 12:00	AC	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:	DUP 05152013		
Lab Sample ID:	FA4690-2F	**Date Sampled:**	05/15/13
Matrix:	AQ - Ground Water	**Date Received:**	05/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	1670	1000	190	mg/l	10000	05/16/13 15:00	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 # FA4690 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: Jim.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	H2SO4	HNO3	MeOH+ZnAc	DI WATER	HCON	LAB USE ONLY
1	A-34-022	05/15/13	1015	TRP	GW	4		X			X	X			X	
2	DUP 05/15/13	05/15/13	1020	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

Date 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	051515 1125	2 FX	3 FX	5-16-13	4 Jessie (Airse) 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: 3.8

FA4690: Chain of Custody
Page 1 of 3

FA4690

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

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

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

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 4690 CLIENT: WSP PROJECT: AGALUM

DATE/TIME RECEIVED: 5-16-13 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 3128 5410

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

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

SAMPLE INFORMATION

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

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 5-16-13 REVIEWER SIGNATURE/DATE 05/16/13

NF 12/10

receipt confirmation 122910.xls

5.1 5

FA4690: Chain of Custody
Page 3 of 3

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10764
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:52	MA10764-STD1	1		STDA
07:56	MA10764-STD2	1		STDB
08:00	MA10764-STD3	1		STDC
08:04	MA10764-STD4	1		STDD
08:09	MA10764-HSTD1	1		
08:20	MA10764-ICV1	1		
08:29	MA10764-ICB1	1		
08:32	MA10764-CRIA1	1		
08:43	MA10764-ICSA1	1		
08:52	MA10764-ICSAB1	1		
09:03	MA10764-CCV1	1		
09:10	MA10764-CCB1	1		
09:14	MP25180-MB1	1		
09:19	MP25180-B1	1		
09:22	FA4796-1	1		(sample used for QC only; not part of login FA4690)
09:27	MP25180-D1	1		
09:31	MP25180-SD1	5		
09:35	MP25180-PS1	1		
09:39	MP25180-S1	1		
09:43	MP25180-S2	1		
09:47	ZZZZZZ	1		
09:51	ZZZZZZ	1		
09:55	MA10764-CCV2	1		
09:59	MA10764-CCB2	1		
10:03	ZZZZZZ	1		
10:08	ZZZZZZ	1		
10:12	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:20	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:33	ZZZZZZ	1		
10:37	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10764
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:41	ZZZZZZ	1		
10:45	MA10764-CCV3	1		
10:49	MA10764-CCB3	1		
10:53	ZZZZZZ	1		
10:58	ZZZZZZ	1		
11:02	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:10	ZZZZZZ	1		
11:14	ZZZZZZ	1		
11:18	ZZZZZZ	1		
11:23	MP25182-MB1	1		
11:27	MP25182-B1	1		
11:31	FA4745-1	1		(sample used for QC only; not part of login FA4690)
11:35	MA10764-CCV4	1		
11:39	MA10764-CCB4	1		
11:43	MP25182-D1	1		
11:47	MP25182-SD1	5		
11:51	MP25182-PS1	1		
11:55	MP25182-S1	1		
11:59	MP25182-S2	1		
12:03	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:23	MA10764-CCV5	1		
12:27	MA10764-CCB5	1		
12:31	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:51	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10764
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:56	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:12	MA10764-CCV6	1		
13:16	MA10764-CCB6	1		
13:20	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:37	MP25186-MB1	1		
13:41	MP25186-B1	1		
13:45	JB37322-1	1		(sample used for QC only; not part of login FA4690)
13:50	MP25186-D1	1		
13:54	MP25186-SD1	5		
13:58	MP25186-PS1	1		
14:02	MA10764-CCV7	1		
14:06	MA10764-CCB7	1		
14:10	MP25186-S1	1		
14:14	MP25186-S2	1		
14:18	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:30	ZZZZZZ	1		
14:34	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:47	ZZZZZZ	1		
14:51	MA10764-CCV8	1		
14:55	MA10764-CCB8	1		
15:25	MA10764-CCV9	1		
15:37	MA10764-CCB9	1		
15:44	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10764
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	15:48	ZZZZZZ	1		
	15:52	ZZZZZZ	1		
	15:56	MP25173-MB1	1		
	16:00	MP25173-B1	1		
---------->	Last reportable sample/prep for job FA4690				
	16:14	ZZZZZZ	1		
	16:18	ZZZZZZ	1		
	16:22	ZZZZZZ	1		
	16:26	MA10764-CCV10	1		
	16:30	MA10764-CCB10	1		
	16:34	ZZZZZZ	1		
	16:38	ZZZZZZ	1		
	16:43	ZZZZZZ	1		
	16:47	ZZZZZZ	1		
	16:51	ZZZZZZ	1		
	16:55	ZZZZZZ	1		
	16:59	ZZZZZZ	1		
	17:03	ZZZZZZ	1		
	17:07	ZZZZZZ	1		
	17:11	ZZZZZZ	1		
	17:15	MA10764-CCV11	1		
	17:19	MA10764-CCB11	1		
	17:23	ZZZZZZ	1		
	17:27	ZZZZZZ	1		
	17:58	MA10764-CRIA2	1		
	18:02	MA10764-ICSA2	1		
	18:06	MA10764-CCV12	1		
	18:10	MA10764-CCB12	1		
	18:15	MA10764-ICSAB2	1		
	18:19	MA10764-CCV13	1		
	18:23	MA10764-CCB13	1		
---------->	Last reportable CCB for job FA4690				
	Refer to raw data for calibration curve and standards.				

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10764
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:52	MA10764-STD1	8839	54189	5024	3629
07:56	MA10764-STD2	8477	51246	4868	3234
08:00	MA10764-STD3	8278	49633	4821	2900
08:04	MA10764-STD4	7923	47683	4722	2600
08:09	MA10764-HSTD1	7901	47800	4759	2602
08:20	MA10764-ICV1	8280	49205	4919	2878
08:29	MA10764-ICB1	8874 R	53752 R	4976 R	3580 R
08:32	MA10764-CRIA1	8798	52773	4929	3399
08:43	MA10764-ICSA1	7654	44636	4754	2606
08:52	MA10764-ICSAB1	7499	44172	4700	2547
09:03	MA10764-CCV1	8332	49255	4856	2851
09:10	MA10764-CCB1	8875	53396	4928	3553
09:14	MP25180-MB1	8815	53784	5059	3497
09:19	MP25180-B1	8241	49809	4848	2989
09:22	FA4796-1	9256	55564	5384	3112
09:27	MP25180-D1	9127	54911	5232	3146
09:31	MP25180-SD1	9003	53971	5085	3409
09:35	MP25180-PS1	9129	54789	5380	3010
09:39	MP25180-S1	9078	53955	5333	2900
09:43	MP25180-S2	9150	54316	5540	2906
09:47	ZZZZZZ	9022	54541	5240	3170
09:51	ZZZZZZ	9346	56185	5524	3015
09:55	MA10764-CCV2	8474	50395	4898	2925
09:59	MA10764-CCB2	8920	54253	5066	3588
10:03	ZZZZZZ	10588	63367	6372	3022
10:08	ZZZZZZ	9018	54318	5245	3189
10:12	ZZZZZZ	8991	53702	5109	3176
10:16	ZZZZZZ	9703	57670	5740	2969
10:20	ZZZZZZ	8585	51202	5211	2702
10:24	ZZZZZZ	10946	65714	6443	3002
10:28	ZZZZZZ	10484	62967	6221	3020
10:33	ZZZZZZ	9368	57281	5867	2897
10:37	ZZZZZZ	8847	53697	5221	3110

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10764
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:41	ZZZZZZ	8923	54013	5387	3126
10:45	MA10764-CCV3	8234	49474	4852	2893
10:49	MA10764-CCB3	8782	53700	5023	3592
10:53	ZZZZZZ	8113	49214	5008	2770
10:58	ZZZZZZ	8858	53748	5256	3135
11:02	ZZZZZZ	8326	50855	5386	2684
11:06	ZZZZZZ	8658	53283	5240	3131
11:10	ZZZZZZ	8745	53625	5135	3192
11:14	ZZZZZZ	8920	53913	5298	3037
11:18	ZZZZZZ	7960	49121	4833	3081
11:23	MP25182-MB1	8585	53332	5039	3533
11:27	MP25182-B1	8151	49621	4852	3016
11:31	FA4745-1	9195	54903	5443	3137
11:35	MA10764-CCV4	8243	49690	4961	2920
11:39	MA10764-CCB4	8695	52940	4964	3583
11:43	MP25182-D1	8982	53476	5338	3105
11:47	MP25182-SD1	8841	53922	5078	3450
11:51	MP25182-PS1	9040	54783	5552	3116
11:55	MP25182-S1	8781	53159	5406	2970
11:59	MP25182-S2	9127	55030	5534	2923
12:03	ZZZZZZ	9708	58166	5682	3163
12:07	ZZZZZZ	8729	52865	5127	3201
12:11	ZZZZZZ	9776	59188	5943	3168
12:15	ZZZZZZ	8941	54848	5296	3268
12:19	ZZZZZZ	9334	56909	5458	3228
12:23	MA10764-CCV5	8352	49910	4929	2935
12:27	MA10764-CCB5	8837	53886	4930	3606
12:31	ZZZZZZ	9264	56439	5397	3211
12:35	ZZZZZZ	9129	54025	5410	3079
12:39	ZZZZZZ	9364	55239	5548	3065
12:43	ZZZZZZ	9255	55358	5535	3092
12:47	ZZZZZZ	8980	53954	5387	3167
12:51	ZZZZZZ	8654	52140	5266	2919

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10764
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:56	ZZZZZZ	11868 !	70248 !	7739 !	2305
13:00	ZZZZZZ	7681	46794	5291	2039 !
13:04	ZZZZZZ	8503	50715	5429	2384
13:08	ZZZZZZ	8344	49670	5073	2764
13:12	MA10764-CCV6	8317	50252	4952	2950
13:16	MA10764-CCB6	8667	53766	5030	3594
13:20	ZZZZZZ	8367	49991	5277	2358
13:25	ZZZZZZ	8890	53068	5322	2739
13:29	ZZZZZZ	8817	52663	5249	2941
13:33	ZZZZZZ	8687	51881	5555	2302
13:37	MP25186-MB1	8626	53925	4777	3454
13:41	MP25186-B1	8330	50587	4764	3037
13:45	JB37322-1	8618	51764	4984	3088
13:50	MP25186-D1	7309	44449	4711	2268
13:54	MP25186-SD1	8679	52046	4801	3337
13:58	MP25186-PS1	8464	50583	4906	3010
14:02	MA10764-CCV7	8159	49517	4772	2893
14:06	MA10764-CCB7	8842	54454	4985	3661
14:10	MP25186-S1	8360	50434	4913	2943
14:14	MP25186-S2	8260	49143	4807	2878
14:18	ZZZZZZ	8800	52997	5027	3240
14:22	ZZZZZZ	8815	52427	5051	3148
14:26	ZZZZZZ	7841	47674	4797	2737
14:30	ZZZZZZ	8725	53328	4898	3386
14:34	ZZZZZZ	8774	52939	5053	3355
14:38	ZZZZZZ	8780	53182	5016	3312
14:43	ZZZZZZ	8913	54083	5045	3337
14:47	ZZZZZZ	8742	53077	4914	3359
14:51	MA10764-CCV8	8570	51572	4907	3014
14:55	MA10764-CCB8	8837	53845	4899	3602
15:25	MA10764-CCV9	8512	51122	4863	2985
15:37	MA10764-CCB9	9035	54514	5051	3677
15:44	ZZZZZZ	8837	53435	5043	3266

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10764
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:48	ZZZZZZ	8769	53018	4977	3243
15:52	ZZZZZZ	8668	51861	4871	3192
15:56	MP25173-MB1	9165	55692	5062	3712
16:00	MP25173-B1	8638	52502	4958	3174
16:14	ZZZZZZ	8330	50101	4858	3056
16:18	ZZZZZZ	8410	50930	4897	3122
16:22	ZZZZZZ	8626	52499	4968	3262
16:26	MA10764-CCV10	8273	50102	4769	2955
16:30	MA10764-CCB10	8812	54053	4898	3667
16:34	ZZZZZZ	8110	48464	4843	2795
16:38	ZZZZZZ	8669	53335	4867	3415
16:43	ZZZZZZ	8769	53417	4904	3426
16:47	ZZZZZZ	8770	53403	4887	3488
16:51	ZZZZZZ	8582	52574	4954	3360
16:55	ZZZZZZ	8642	53209	4916	3525
16:59	ZZZZZZ	8864	54494	4940	3549
17:03	ZZZZZZ	8874	54344	4881	3574
17:07	ZZZZZZ	9131	55594	5079	3470
17:11	ZZZZZZ	9058	55471	5050	3547
17:15	MA10764-CCV11	8169	49621	4760	2928
17:19	MA10764-CCB11	8772	53867	4753	3621
17:23	ZZZZZZ	8875	54625	4927	3559
17:27	ZZZZZZ	8852	54129	4884	3535
17:58	MA10764-CRIA2	8466	51919	4773	3378
18:02	MA10764-ICSA2	7562	45021	4549	2646
18:06	MA10764-CCV12	8234	49576	4699	2900
18:10	MA10764-CCB12	8807	53810	4831	3605
18:15	MA10764-ICSAB2	7431	43880	4513	2547
18:19	MA10764-CCV13	8068	48892	4599	2861
18:23	MA10764-CCB13	8616	53721	4849	3570

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

LEGEND:

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

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10764
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

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

6.1.1

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10764 Units: ug/l

Time:			08:29		09:10		09:59		10:49	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.6	<200	-15	<200	-11	<200	-6.4	<200
Antimony	6.0	1.3	0.0	<6.0	-2.3	<6.0	-2.7	<6.0	-2.2	<6.0
Arsenic	10	1.6	0.30	<10	0.60	<10	0.50	<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	0.20	<5.0	0.10	<5.0
Calcium	1000	50	-0.70	<1000	1.3	<1000	6.0	<1000	4.0	<1000
Chromium	10	1.8	-0.10	<10	0.10	<10	0.20	<10	0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-1.5	<300	4.9	<300	7.5	<300	8.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	8.8	<5000	-2.8	<5000	4.7	<5000	5.8	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	78.9	<10000	63.4	<10000	58.1	<10000	64.0	<10000
Selenium	10	2	1.2	<10	1.5	<10	0.50	<10	1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	9.6	<10000	31.0	<10000	30.9	<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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10764 Units: ug/l

Time:			11:39		12:27		13:16		14:06	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.3	<200	-22	<200	-5.2	<200	-12	<200
Antimony	6.0	1.3	-2.4	<6.0	-2.9	<6.0	-2.6	<6.0	-2.6	<6.0
Arsenic	10	1.6	0.0	<10	0.40	<10	0.70	<10	0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	1.1	<1000	0.40	<1000	24.9	<1000	3.3	<1000
Chromium	10	1.8	0.30	<10	0.40	<10	0.0	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.4	<300	3.5	<300	5.2	<300	4.7	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-6.0	<5000	-21	<5000	0.80	<5000	1.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	9.3	<10000	14.2	<10000	45.6	<10000	-6.8	<10000
Selenium	10	2	1.7	<10	1.1	<10	0.80	<10	1.6	<10
Silver	10	.5	anr							
Sodium	10000	500	44.2	<10000	36.0	<10000	43.5	<10000	6.9	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10764 Units: ug/l

Time:			14:55		15:37		16:30		17:19	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.7	<200	9.1	<200	12.7	<200	18.0	<200
Antimony	6.0	1.3	-2.7	<6.0	-1.2	<6.0	-0.30	<6.0	-0.80	<6.0
Arsenic	10	1.6	0.20	<10	0.60	<10	0.80	<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	7.1	<1000	10.8	<1000	12.8	<1000	10.2	<1000
Chromium	10	1.8	0.40	<10	0.20	<10	0.50	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	5.7	<300	7.3	<300	14.5	<300	10.7	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	7.8	<5000	15.6	<5000	14.8	<5000	4.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-24	<10000	18.0	<10000	165	<10000	39.4	<10000
Selenium	10	2	1.9	<10	-0.20	<10	-0.90	<10	-0.10	<10
Silver	10	.5	anr							
Sodium	10000	500	34.5	<10000	20.3	<10000	100	<10000	68.3	<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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10764 Units: ug/l

Time:			18:10		18:23	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	17.9	<200	12.5	<200
Antimony	6.0	1.3	-1.5	<6.0	-0.40	<6.0
Arsenic	10	1.6	0.20	<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
Calcium	1000	50	25.2	<1000	30.1	<1000
Chromium	10	1.8	0.10	<10	0.10	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	16.4	<300	12.4	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	39.3	<5000	17.2	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	70.5	<10000	25.3	<10000
Selenium	10	2	0.50	<10	-0.50	<10
Silver	10	.5	anr			
Sodium	10000	500	274	<10000	161	<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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10764 Units: ug/l

Time:		08:20			09:03			09:55	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	40400	101.0	40000	39700	99.3
Antimony	2000	1990	99.5	2000	1970	98.5	2000	1960	98.0
Arsenic	2000	2000	100.0	2000	1970	98.5	2000	1960	98.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2000	100.0	2000	2020	101.0	2000	1980	99.0
Calcium	40000	39700	99.3	40000	40100	100.3	40000	39100	97.8
Chromium	2000	2010	100.5	2000	2030	101.5	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Iron	40000	40000	100.0	40000	40800	102.0	40000	39500	98.8
Lead	anr								
Magnesium	40000	37400	93.5	40000	39400	98.5	40000	39000	97.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39100	97.8	40000	39900	99.8	40000	39500	98.8
Selenium	2000	2020	101.0	2000	1970	98.5	2000	1970	98.5
Silver	anr								
Sodium	40000	39800	99.5	40000	40600	101.5	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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10764 Units: ug/l

Time:		10:45			11:35			12:23	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	39900	99.8	40000	39800	99.5
Antimony	2000	2070	103.5	2000	2080	104.0	2000	2050	102.5
Arsenic	2000	2060	103.0	2000	2060	103.0	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2000	100.0	2000	1990	99.5
Calcium	40000	39800	99.5	40000	38900	97.3	40000	39200	98.0
Chromium	2000	2020	101.0	2000	1980	99.0	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Iron	40000	39400	98.5	40000	38500	96.3	40000	38700	96.8
Lead	anr								
Magnesium	40000	40400	101.0	40000	39600	99.0	40000	39700	99.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41100	102.8	40000	40500	101.3	40000	40500	101.3
Selenium	2000	2070	103.5	2000	2080	104.0	2000	2050	102.5
Silver	anr								
Sodium	40000	40400	101.0	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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10764 Units: ug/l

Time:		13:12			14:02			14:51	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	40000	100.0	40000	38400	96.0
Antimony	2000	2090	104.5	2000	2120	106.0	2000	1990	99.5
Arsenic	2000	2060	103.0	2000	2090	104.5	2000	1980	99.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	1990	99.5	2000	2040	102.0	2000	1940	97.0
Calcium	40000	38400	96.0	40000	39000	97.5	40000	38400	96.0
Chromium	2000	1970	98.5	2000	1990	99.5	2000	1930	96.5
Cobalt	anr								
Copper	anr								
Iron	40000	37900	94.8	40000	38800	97.0	40000	37700	94.3
Lead	anr								
Magnesium	40000	38900	97.3	40000	39500	98.8	40000	38600	96.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39900	99.8	40000	40100	100.3	40000	39100	97.8
Selenium	2000	2090	104.5	2000	2110	105.5	2000	1990	99.5
Silver	anr								
Sodium	40000	38600	96.5	40000	38600	96.5	40000	38400	96.0
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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10764 Units: ug/l

Time:		15:25			16:26			17:15	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	41500	103.8	40000	41300	103.3
Antimony	2000	1960	98.0	2000	2080	104.0	2000	2110	105.5
Arsenic	2000	1970	98.5	2000	2070	103.5	2000	2090	104.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2080	104.0	2000	2090	104.5
Calcium	40000	42000	105.0	40000	42500	106.3	40000	42500	106.3
Chromium	2000	2060	103.0	2000	2080	104.0	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	41700	104.3	40000	41900	104.8	40000	41400	103.5
Lead	anr								
Magnesium	40000	41600	104.0	40000	42800	107.0	40000	42900	107.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	41800	104.5	40000	42000	105.0
Selenium	2000	1970	98.5	2000	2080	104.0	2000	2110	105.5
Silver	anr								
Sodium	40000	42200	105.5	40000	40900	102.3	40000	41700	104.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10764 Units: ug/l

Time:		18:06			18:19	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	42100	105.3
Antimony	2000	2040	102.0	2000	2100	105.0
Arsenic	2000	2050	102.5	2000	2100	105.0
Barium	anr					
Beryllium	anr					
Cadmium	2000	2100	105.0	2000	2140	107.0
Calcium	40000	43400	108.5	40000	44100	110.0
Chromium	2000	2120	106.0	2000	2140	107.0
Cobalt	anr					
Copper	anr					
Iron	40000	42900	107.3	40000	43400	108.5
Lead	anr					
Magnesium	40000	43000	107.5	40000	43800	109.5
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	40500	101.3	40000	41800	104.5
Selenium	2000	2050	102.5	2000	2100	105.0
Silver	anr					
Sodium	40000	37100	92.8	40000	40300	100.8
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10764 Units: ug/l

Time:		08:09	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79100	98.9
Antimony	4000	4000	100.0
Arsenic	4000	4000	100.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3960	99.0
Calcium	80000	77600	97.0
Chromium	4000	3940	98.5
Cobalt	anr		
Copper	anr		
Iron	80000	78800	98.5
Lead	anr		
Magnesium	80000	77200	96.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	78200	97.8
Selenium	4000	3980	99.5
Silver	anr		
Sodium	80000	76600	95.8
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10764 Units: ug/l

Time:			08:32		17:58	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	200	100.0	203	101.5
Antimony	10	5.0	4.7	94.0	4.5	90.0
Arsenic	20	10	10.2	102.0	10.5	105.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	4.9	98.0	5.3	106.0
Calcium	2000	1000	998	99.8	1140	114.0
Chromium	20	10	10.0	100.0	10.1	101.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	300	100.0	325	108.3
Lead	10	5.0	anr			
Magnesium	10000	5000	4930	98.6	5510	110.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9700	97.0	10100	101.0
Selenium	20	10	11.9	119.0	9.5	95.0
Silver	20	10	anr			
Sodium	20000	10000	9810	98.1	8060	80.6
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052113M1.ICP Date Analyzed: 05/21/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10764 Units: ug/l

Time:			08:43		08:52		18:02		18:15	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	484000	96.8	501000	100.2	500000	100.0	511000	102.2
Antimony		1000	0.0		972	97.2	0.20		989	98.9
Arsenic		1000	0.0		1020	102.0	0.20		1040	104.0
Barium		500	0.10		504	100.8	0.20		524	104.8
Beryllium		500	0.0		470	94.0	0.0		517	103.4
Cadmium		1000	0.90		912	91.2	0.40		953	95.3
Calcium	500000	500000	466000	93.2	474000	94.8	499000	99.8	515000	103.0
Chromium		500	-0.30		466	93.2	-0.50		493	98.6
Cobalt		500	0.30		448	89.6	0.30		469	93.8
Copper		500	0.10		497	99.4	1.5		514	102.8
Iron	200000	200000	187000	93.5	187000	93.5	195000	97.5	204000	102.0
Lead		1000	-0.10		886	88.6	0.50		939	93.9
Magnesium	500000	500000	452000	90.4	461000	92.2	494000	98.8	494000	98.8
Manganese		500	0.20		488	97.6	-0.10		496	99.2
Molybdenum		1000	-0.30		927	92.7	0.0		981	98.1
Nickel		1000	-0.20		903	90.3	0.80		920	92.0
Potassium			171		188		283		172	
Selenium		1000	-0.10		953	95.3	-0.20		966	96.6
Silver		1000	-0.50		953	95.3	-0.20		970	97.0
Sodium			162		230		1180		645	
Strontium		1000	11.5		984	98.4	12.5		1080	108.0
Thallium		1000	0.0		892	89.2	2.2		950	95.0
Tin		1000	-1.3		908	90.8	-0.20		937	93.7
Titanium		1000	-2.5		985	98.5	-2.4		989	98.9
Vanadium		500	-0.50		471	94.2	-0.10		492	98.4
Zinc		1000	-0.60		914	91.4	-0.60		962	96.2

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10766
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:10	MA10766-STD1	1		STDA
08:15	MA10766-STD2	1		STDB
08:19	MA10766-STD3	1		STDC
08:22	MA10766-STD4	1		STDD
08:27	MA10766-HSTD1	1		
08:39	MA10766-ICV1	1		
08:53	MA10766-ICB1	1		
08:56	MA10766-CRIA1	1		
09:06	MA10766-ICSA1	1		
09:14	MA10766-ICSAB1	1		
09:22	MA10766-CCV1	1		
09:29	MA10766-CCB1	1		
09:34	MP25188-MB1	1		
09:38	MP25188-B1	1		
09:42	FA4738-2	1		(sample used for QC only; not part of login FA4690)
09:46	MP25188-D1	1		
09:51	MP25188-SD1	5		
09:55	MP25188-PS1	1		
09:59	MP25188-S1	1		
10:04	MP25188-S2	1		
10:08	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:17	MA10766-CCV2	1		
10:21	MA10766-CCB2	1		
10:25	ZZZZZZ	1		
10:30	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:39	ZZZZZZ	1		
11:01	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:10	MA10766-CCV3	1		
11:14	MA10766-CCB3	1		
11:18	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10766
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:23	ZZZZZZ	1		
11:27	ZZZZZZ	5		
11:31	FA4690-1	5		
11:36	FA4690-2	5		
11:41	ZZZZZZ	10		
11:45	FA4770-1	40		(sample used for QC only; not part of login FA4690)
11:49	MP25173-D1	40		
11:54	MP25173-S1	40		
11:58	MP25173-S2	40		
12:02	MA10766-CCV4	1		
12:06	MA10766-CCB4	1		
12:11	MP25173-PS1	40		
12:15	MP25173-SD1	200		
12:19	FA4770-1	5		(sample used for QC only; not part of login FA4690)
12:24	MP25173-D1	5		
12:28	MP25173-S1	5		
12:33	MP25173-S2	5		
12:37	MP25173-PS1	5		
12:42	MP25173-SD1	25		
---------->	Last reportable sample/prep for job FA4690			
12:46	MA10766-CCV5	1		
12:51	MA10766-CCB5	1		
15:24	MA10766-CCV6	1		
15:28	MA10766-CCB6	1		
15:45	MP25194-MB1	1		
15:49	MP25194-B1	1		
15:53	FA4874-2	1		(sample used for QC only; not part of login FA4690)
15:57	MP25194-D1	1		
16:01	MP25194-SD1	5		
16:06	MP25194-PS1	1		
16:10	MP25194-S1	1		
16:14	MA10766-CCV7	1		
16:18	MA10766-CCB7	1		
16:22	MP25194-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10766
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:26	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:35	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:47	MA10766-CRIA2	1		
16:51	MA10766-ICSA2	1		
16:56	MA10766-ICSAB2	1		
17:00	MA10766-CCV8	1		
17:04	MA10766-CCB8	1		

----------> Last reportable CCB for job FA4690
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10766
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:10	MA10766-STD1	4315	33123	11006	2053
08:15	MA10766-STD2	4280	32910	10978	1926
08:19	MA10766-STD3	4136	31894	10914	1738
08:22	MA10766-STD4	3987	30870	10677	1572
08:27	MA10766-HSTD1	4022	31127	10665	1576
08:39	MA10766-ICV1	4116	31384	10796	1715
08:53	MA10766-ICB1	4309 R	33270 R	10873 R	2033 R
08:56	MA10766-CRIA1	4278	32634	10873	1963
09:06	MA10766-ICSA1	3737	28129	10376	1472
09:14	MA10766-ICSAB1	3731	27960	10344	1449
09:22	MA10766-CCV1	4143	31667	10953	1723
09:29	MA10766-CCB1	4326	33037	10840	2027
09:34	MP25188-MB1	4316	33423	10971	2037
09:38	MP25188-B1	4161	31925	10684	1794
09:42	FA4738-2	5245	39590	13398	1778
09:46	MP25188-D1	5432 !	40814	13978 !	1757
09:51	MP25188-SD1	4582	34744	11449	1947
09:55	MP25188-PS1	5162	39245	13436	1757
09:59	MP25188-S1	5192	39824	13564	1665
10:04	MP25188-S2	5180	39598	13478	1673
10:08	ZZZZZZ	5575 !	42102 !	14299 !	1721
10:13	ZZZZZZ	4982	37117	12806	1691
10:17	MA10766-CCV2	4173	31511	10806	1729
10:21	MA10766-CCB2	4330	33012	10903	2044
10:25	ZZZZZZ	5661 !	43018 !	14592 !	1750
10:30	ZZZZZZ	5627 !	42606 !	14465 !	1739
10:34	ZZZZZZ	6490 !	49350 !	16578 !	1754
10:39	ZZZZZZ	6368 !	48485 !	16529 !	1685
11:01	ZZZZZZ	5015	39169	13495	1663
11:05	ZZZZZZ	4425	39839	14341 !	1494
11:10	MA10766-CCV3	4136	31561	10663	1720
11:14	MA10766-CCB3	4257	33134	10852	2032
11:18	ZZZZZZ	5193	39720	13689 !	1688

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10766
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:23	ZZZZZZ	5077	38511	13354	1697
11:27	ZZZZZZ	4546	34359	12260	1627
11:31	FA4690-1	4426	33573	11972	1556
11:36	FA4690-2	4414	33448	11952	1569
11:41	ZZZZZZ	4142	31489	10786	1889
11:45	FA4770-1	4027	30677	10437	1804
11:49	MP25173-D1	4090	31513	10783	1835
11:54	MP25173-S1	4036	30851	10490	1802
11:58	MP25173-S2	4010	30726	10686	1807
12:02	MA10766-CCV4	4055	31140	10666	1717
12:06	MA10766-CCB4	4221	32520	10729	2018
12:11	MP25173-PS1	4012	30814	10439	1783
12:15	MP25173-SD1	4159	31955	10654	1936
12:19	FA4770-1	3583	27224	10004	1483
12:24	MP25173-D1	3586	27612	10101	1487
12:28	MP25173-S1	3574	27755	10217	1476
12:33	MP25173-S2	3590	27706	10116	1467
12:37	MP25173-PS1	3554	27363	10009	1458
12:42	MP25173-SD1	3928	30463	10477	1726
12:46	MA10766-CCV5	4018	31057	10636	1692
12:51	MA10766-CCB5	4205	32778	10807	2010
15:24	MA10766-CCV6	3956	31246	10536	1673
15:28	MA10766-CCB6	4146	33003	10727	1987
15:45	MP25194-MB1	4214	32984	10713	2031
15:49	MP25194-B1	4064	31611	10503	1781
15:53	FA4874-2	4255	33296	11382	1876
15:57	MP25194-D1	4250	33090	11231	1863
16:01	MP25194-SD1	4172	32331	10774	1945
16:06	MP25194-PS1	4250	32657	11142	1828
16:10	MP25194-S1	4155	32017	11127	1739
16:14	MA10766-CCV7	3962	30255	10620	1684
16:18	MA10766-CCB7	4161	32570	10677	1999
16:22	MP25194-S2	4201	32356	11113	1745

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10766
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:26	ZZZZZZ	4331	33213	11414	1885
16:30	ZZZZZZ	4110	31788	10780	1901
16:35	ZZZZZZ	3909	31223	11005	1888
16:39	ZZZZZZ	3898	31221	10988	1873
16:43	ZZZZZZ	3854	30678	10669	1794
16:47	MA10766-CRIA2	4086	31685	10654	1906
16:51	MA10766-ICSA2	3613	27438	10091	1443
16:56	MA10766-ICSAB2	3581	27306	10239	1428
17:00	MA10766-CCV8	3996	30839	10662	1697
17:04	MA10766-CCB8	4202	32743	10786	2001

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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10766 Units: ug/l

Time:			08:53		09:29		10:21		11:14	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-5.5	<200	4.0	<200	8.0	<200	6.3	<200
Antimony	6.0	1.3	-0.80	<6.0	-1.0	<6.0	-1.3	<6.0	-1.5	<6.0
Arsenic	10	1.6	-0.40	<10	0.30	<10	0.90	<10	0.60	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	-2.2	<1000	4.8	<1000	3.0	<1000	26.2	<1000
Chromium	10	1.8	-0.40	<10	0.10	<10	-0.10	<10	1.1	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-1.6	<300	3.4	<300	10.2	<300	10.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-0.30	<5000	8.1	<5000	5.1	<5000	15.7	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-16	<10000	-14	<10000	-21	<10000	21.7	<10000
Selenium	10	2	0.0	<10	0.30	<10	0.40	<10	0.80	<10
Silver	10	.5	anr							
Sodium	10000	500	-5.5	<10000	-0.70	<10000	-4.7	<10000	30.1	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10766 Units: ug/l

Time:			12:06		12:51		15:28		16:18	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.3	<200	0.80	<200	0.20	<200	-0.60	<200
Antimony	6.0	1.3	-2.1	<6.0	-1.4	<6.0	-0.90	<6.0	-0.20	<6.0
Arsenic	10	1.6	0.60	<10	0.40	<10	1.2	<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	0.20	<5.0	0.20	<5.0
Calcium	1000	50	4.1	<1000	2.0	<1000	0.60	<1000	0.30	<1000
Chromium	10	1.8	0.10	<10	-0.10	<10	0.10	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	6.7	<300	4.5	<300	2.6	<300	5.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	7.6	<5000	9.6	<5000	13.3	<5000	11.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	13.3	<10000	33.0	<10000	15.1	<10000	5.3	<10000
Selenium	10	2	-0.10	<10	0.50	<10	0.10	<10	-0.10	<10
Silver	10	.5	anr							
Sodium	10000	500	53.6	<10000	139	<10000	104	<10000	66.6	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10766 Units: ug/l

Time:			17:04	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	15	8.6	<200
Antimony	6.0	1.3	-0.90	<6.0
Arsenic	10	1.6	0.80	<10
Barium	200	1	anr	
Beryllium	4.0	.5	anr	
Cadmium	5.0	.5	0.20	<5.0
Calcium	1000	50	6.2	<1000
Chromium	10	1.8	0.0	<10
Cobalt	50	.5	anr	
Copper	25	1	anr	
Iron	300	29	8.3	<300
Lead	5.0	1.1	anr	
Magnesium	5000	74	12.3	<5000
Manganese	15	.7	anr	
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200	-1.9	<10000
Selenium	10	2	0.10	<10
Silver	10	.5	anr	
Sodium	10000	500	52.5	<10000
Strontium	10	.5		
Thallium	10	1.3		
Tin	50	.7		
Titanium	10	.9		
Vanadium	50	.5	anr	
Zinc	20	3	anr	

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10766 Units: ug/l

Time:		08:39			09:22			10:17	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40700	101.8	40000	39500	98.8	40000	40100	100.3
Antimony	2000	2020	101.0	2000	1940	97.0	2000	1950	97.5
Arsenic	2000	2020	101.0	2000	1950	97.5	2000	1970	98.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2000	100.0	2000	2030	101.5
Calcium	40000	41400	103.5	40000	39700	99.3	40000	40900	102.3
Chromium	2000	2090	104.5	2000	2010	100.5	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	41500	103.8	40000	40600	101.5	40000	41600	104.0
Lead	anr								
Magnesium	40000	38900	97.3	40000	38800	97.0	40000	40100	100.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40200	100.5	40000	38700	96.8	40000	39300	98.3
Selenium	2000	2030	101.5	2000	1960	98.0	2000	1970	98.5
Silver	anr								
Sodium	40000	42000	105.0	40000	39700	99.3	40000	40200	100.5
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10766 Units: ug/l

Time:		11:10			12:02			12:46	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40000	100.0	40000	39900	99.8
Antimony	2000	1980	99.0	2000	2050	102.5	2000	2040	102.0
Arsenic	2000	1990	99.5	2000	2040	102.0	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2050	102.5	2000	2050	102.5
Calcium	40000	41100	102.8	40000	40600	101.5	40000	40300	100.8
Chromium	2000	2060	103.0	2000	2040	102.0	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	41400	103.5	40000	39900	99.8	40000	40500	101.3
Lead	anr								
Magnesium	40000	40400	101.0	40000	40600	101.5	40000	40100	100.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40100	100.3	40000	40500	101.3	40000	39900	99.8
Selenium	2000	1990	99.5	2000	2050	102.5	2000	2050	102.5
Silver	anr								
Sodium	40000	40600	101.5	40000	40200	100.5	40000	40300	100.8
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10766 Units: ug/l

Time:		15:24			16:14			17:00	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40200	100.5	40000	40200	100.5
Antimony	2000	2090	104.5	2000	2090	104.5	2000	2080	104.0
Arsenic	2000	2070	103.5	2000	2070	103.5	2000	2070	103.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40200	100.5	40000	40200	100.5	40000	40500	101.3
Chromium	2000	2000	100.0	2000	2070	103.5	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	40400	101.0	40000	39700	99.3	40000	39800	99.5
Lead	anr								
Magnesium	40000	40300	100.8	40000	40300	100.8	40000	40600	101.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40100	100.3	40000	40800	102.0	40000	40900	102.3
Selenium	2000	2080	104.0	2000	2090	104.5	2000	2090	104.5
Silver	anr								
Sodium	40000	40400	101.0	40000	40500	101.3	40000	40500	101.3
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10766 Units: ug/l

Time:		08:27	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	3960	99.0
Arsenic	4000	3980	99.5
Barium	anr		
Beryllium	anr		
Cadmium	4000	3960	99.0
Calcium	80000	79800	99.8
Chromium	4000	3970	99.3
Cobalt	anr		
Copper	anr		
Iron	80000	80400	100.5
Lead	anr		
Magnesium	80000	80100	100.1
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	79900	99.9
Selenium	4000	3950	98.8
Silver	anr		
Sodium	80000	80400	100.5
Strontium			
Thallium			
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10766 Units: ug/l

Time:			08:56		16:47	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	207	103.5	210	105.0
Antimony	10	5.0	4.5	90.0	3.6	72.0
Arsenic	20	10	10.4	104.0	11.1	111.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.3	106.0	5.4	108.0
Calcium	2000	1000	1070	107.0	1060	106.0
Chromium	20	10	10.4	104.0	10.7	107.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	336	112.0	333	111.0
Lead	10	5.0	anr			
Magnesium	10000	5000	4990	99.8	5040	100.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9760	97.6	10100	101.0
Selenium	20	10	9.0	90.0	8.8	88.0
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	10400	104.0
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052213M1.ICP Date Analyzed: 05/22/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10766 Units: ug/l

Time:			09:06		09:14		16:51		16:56	
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	515000	103.0	523000	104.6	525000	105.0
Antimony		1000	-1.2		997	99.7	0.90		1070	107.0
Arsenic		1000	-1.2		1020	102.0	0.30		1080	108.0
Barium		500	-0.10		502	100.4	-0.10		516	103.2
Beryllium		500	-0.10		501	100.2	0.0		494	98.8
Cadmium		1000	0.0		918	91.8	-0.10		942	94.2
Calcium	500000	500000	479000	95.8	487000	97.4	486000	97.2	489000	97.8
Chromium		500	0.10		486	97.2	0.10		490	98.0
Cobalt		500	0.40		455	91.0	0.40		467	93.4
Copper		500	0.0		525	105.0	0.0		558	111.6
Iron	200000	200000	188000	94.0	194000	97.0	188000	94.0	188000	94.0
Lead		1000	-0.50		950	95.0	-3.4		940	94.0
Magnesium	500000	500000	508000	101.6	505000	101.0	519000	103.8	518000	103.6
Manganese		500	0.0		483	96.6	0.0		502	100.4
Molybdenum		1000	-0.80		953	95.3	-0.90		961	96.1
Nickel		1000	0.0		878	87.8	-0.30		937	93.7
Potassium			-3.1		-13		14.4		4.4	
Selenium		1000	0.0		952	95.2	-1.9		1030	103.0
Silver		1000	0.20		982	98.2	0.20		1020	102.0
Sodium			83.3		103		170		196	
Strontium		1000	12.2		1030	103.0	12.2		1030	103.0
Thallium		1000	0.0		960	96.0	1.8		937	93.7
Tin		1000	-0.60		907	90.7	-1.0		948	94.8
Titanium		1000	-3.2		1000	100.0	-3.2		996	99.6
Vanadium		500	-0.30		479	95.8	-0.30		494	98.8
Zinc		1000	0.10		927	92.7	0.30		937	93.7

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10772
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:08	MA10772-STD1	1		STDA
08:12	MA10772-STD2	1		STDB
08:16	MA10772-STD3	1		STDC
08:19	MA10772-STD4	1		STDD
08:23	MA10772-HSTD1	1		
08:36	MA10772-ICV1	1		
08:42	MA10772-ICB1	1		
08:50	MA10772-CRIA1	1		
08:59	MA10772-ICSA1	1		
09:17	MA10772-ICSAB1	1		
09:30	MA10772-CCV1	1		
09:39	MA10772-CCB1	1		
09:44	MP25195-MB1	1		
09:48	MP25195-B1	1		
09:53	FA4849-1	1		(sample used for QC only; not part of login FA4690)
09:57	MP25195-D1	1		
10:02	MP25195-SD1	5		
10:06	MP25195-PS1	1		
10:10	MP25195-S1	1		
10:15	MP25195-S2	1		
10:20	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:29	MA10772-CCV2	1		
10:33	MA10772-CCB2	1		
10:38	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:47	ZZZZZZ	1		
10:51	ZZZZZZ	1		
10:56	ZZZZZZ	1		
11:00	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:14	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10772
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:18	ZZZZZZ	1		
11:23	MA10772-CCV3	1		
11:27	MA10772-CCB3	1		
11:32	ZZZZZZ	1		
11:55	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:14	MA10772-CCV4	1		
12:22	MA10772-CCB4	1		
12:27	FA4738-2	2		(sample used for QC only; not part of login FA4690)
12:32	ZZZZZZ	2		
12:36	ZZZZZZ	2		
12:41	ZZZZZZ	4		
12:45	ZZZZZZ	4		
12:50	ZZZZZZ	4		
12:54	ZZZZZZ	4		
12:59	ZZZZZZ	5		
13:03	ZZZZZZ	10		
13:08	FA4690-1	20		
13:12	MA10772-CCV5	1		
13:16	MA10772-CCB5	1		
13:49	MA10772-CCV6	1		
13:57	MA10772-CCB6	1		
14:04	FA4690-2	20		
---------->	Last reportable sample/prep for job FA4690			
14:31	ZZZZZZ	5		
14:36	ZZZZZZ	20		
14:40	ZZZZZZ	5		
14:44	MA10772-CCV7	1		
14:49	MA10772-CCB7	1		
14:53	ZZZZZZ	4		
14:58	ZZZZZZ	2		
15:02	ZZZZZZ	4		
15:07	ZZZZZZ	2		
15:11	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10772
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:16	ZZZZZZ	1		
15:21	MP25203-MB1	1		
15:25	MP25203-B1	1		
15:29	FA4877-1	1		(sample used for QC only; not part of login FA4690)
15:34	MP25203-D1	1		
15:39	MA10772-CCV8	1		
15:43	MA10772-CCB8	1		
15:48	MP25203-SD1	5		
15:52	MP25203-PS1	1		
15:56	MP25203-S1	1		
16:01	MP25203-S2	1		
16:06	ZZZZZZ	1		
16:10	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:35	MA10772-CCV9	1		
16:39	MA10772-CCB9	1		
16:43	ZZZZZZ	1		
16:48	ZZZZZZ	1		
16:53	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:02	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:25	ZZZZZZ	1		
17:30	MA10772-CCV10	1		
17:34	MA10772-CCB10	1		
17:39	ZZZZZZ	1		
17:44	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:53	MA10772-CRIA2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10772
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:58	MA10772-ICSA2	1		
18:02	MA10772-ICSAB2	1		
18:07	MA10772-CCV11	1		
18:11	MA10772-CCB11	1		

----------> Last reportable CCB for job FA4690
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10772
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:08	MA10772-STD1	4425	30448	8513	2125
08:12	MA10772-STD2	4445	30196	8595	2027
08:16	MA10772-STD3	4305	29810	8472	1863
08:19	MA10772-STD4	4143	29464	8395	1723
08:23	MA10772-HSTD1	4181	29649	8461	1742
08:36	MA10772-ICV1	4248	29593	8452	1854
08:42	MA10772-ICB1	4451 R	29915 R	8524 R	2134 R
08:50	MA10772-CRIA1	4379	30372	8421	2067
08:59	MA10772-ICSA1	4015	28779	8480	1689
09:17	MA10772-ICSAB1	4019	28448	8302	1658
09:30	MA10772-CCV1	4228	30073	8509	1864
09:39	MA10772-CCB1	4380	30114	8552	2127
09:44	MP25195-MB1	4456	30919	8737	2154
09:48	MP25195-B1	4292	30361	8665	1943
09:53	FA4849-1	5749 !	40326 !	11729 !	1868
09:57	MP25195-D1	5679 !	40289 !	11579 !	1881
10:02	MP25195-SD1	4769	33318	9421	2040
10:06	MP25195-PS1	5650 !	39710 !	11682 !	1836
10:10	MP25195-S1	5648 !	40259 !	11597 !	1779
10:15	MP25195-S2	5911 !	42606 !	12166 !	1798
10:20	ZZZZZZ	5810 !	41842 !	11797 !	1867
10:24	ZZZZZZ	5286	38298 !	10847 !	1863
10:29	MA10772-CCV2	4249	30052	8456	1870
10:33	MA10772-CCB2	4401	30331	8535	2128
10:38	ZZZZZZ	5900 !	41924 !	12038 !	1824
10:42	ZZZZZZ	5409	38790 !	11001 !	1879
10:47	ZZZZZZ	5629 !	40340 !	11391 !	1833
10:51	ZZZZZZ	5583 !	39634 !	11168 !	1886
10:56	ZZZZZZ	5150	36803	10248	1927
11:00	ZZZZZZ	5125	37368	10411	1892
11:05	ZZZZZZ	5405	38813 !	10823 !	1877
11:09	ZZZZZZ	5456	39357 !	10915 !	1851
11:14	ZZZZZZ	5247	38136 !	10618	1833

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10772
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:18	ZZZZZZ	5658 !	41030 !	11395 !	1856
11:23	MA10772-CCV3	4149	30214	8271	1855
11:27	MA10772-CCB3	4303	30382	8426	2119
11:32	ZZZZZZ	5532	40922 !	11421 !	1752
11:55	ZZZZZZ	4283	31083	8500	1903
11:59	ZZZZZZ	3906	29437	8157	1683
12:14	MA10772-CCV4	4102	29697	8149	1832
12:22	MA10772-CCB4	4265	30257	8265	2095
12:27	FA4738-2	4779	34170	9460	2022
12:32	ZZZZZZ	4843	34741	9638	1948
12:36	ZZZZZZ	4938	35890	9770	2009
12:41	ZZZZZZ	4818	34646	9445	2026
12:45	ZZZZZZ	4799	34436	9310	2013
12:50	ZZZZZZ	4821	34951	9537	1994
12:54	ZZZZZZ	4150	30934	8579	1735
12:59	ZZZZZZ	4110	30544	8421	1772
13:03	ZZZZZZ	4039	30072	8254	1831
13:08	FA4690-1	4280	31617	8594	1896
13:12	MA10772-CCV5	4111	30291	8268	1844
13:16	MA10772-CCB5	4223	30143	8248	2078
13:49	MA10772-CCV6	4057	29672	8174	1817
13:57	MA10772-CCB6	4170	29981	8209	2064
14:04	FA4690-2	4245	30805	8378	1890
14:31	ZZZZZZ	4315	31583	8640	1963
14:36	ZZZZZZ	4137	30642	8418	1988
14:40	ZZZZZZ	3999	30227	8269	1723
14:44	MA10772-CCV7	4032	29823	8057	1809
14:49	MA10772-CCB7	4133	29874	8189	2048
14:53	ZZZZZZ	4216	31501	8651	1798
14:58	ZZZZZZ	5120	37830 !	10233	1923
15:02	ZZZZZZ	4416	32918	8914	1944
15:07	ZZZZZZ	4876	37714 !	10250	1885
15:11	ZZZZZZ	3934	29782	8194	1818

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10772
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:16	ZZZZZZ	3807	29100	8002	1687
15:21	MP25203-MB1	4180	30472	8235	2071
15:25	MP25203-B1	3995	29715	7919	1866
15:29	FA4877-1	5366	39970 !	10858 !	1914
15:34	MP25203-D1	6231 !	46980 !	12802 !	1845
15:39	MA10772-CCV8	3988	30373	8010	1808
15:43	MA10772-CCB8	4135	30077	8093	2059
15:48	MP25203-SD1	4394	32032	8694	1985
15:52	MP25203-PS1	5253	39302 !	10696 !	1883
15:56	MP25203-S1	5426	41175 !	11178 !	1855
16:01	MP25203-S2	5465	41605 !	11219 !	1819
16:06	ZZZZZZ	5316	39924 !	10606	1894
16:10	ZZZZZZ	5997 !	45952 !	12391 !	1772
16:15	ZZZZZZ	7697 !	59811 !	16016 !	1794
16:20	ZZZZZZ	6509 !	50082 !	13600 !	1832
16:25	ZZZZZZ	5209	40685 !	11115 !	1847
16:30	ZZZZZZ	6653 !	52182 !	14379 !	1852
16:35	MA10772-CCV9	3911	30808	8508	1809
16:39	MA10772-CCB9	4017	30564	8406	2037
16:43	ZZZZZZ	5364	41972 !	11778 !	1835
16:48	ZZZZZZ	5951 !	47280 !	13258 !	1758
16:53	ZZZZZZ	6635 !	52747 !	14947 !	1801
16:58	ZZZZZZ	3273	27970	8497	1212 !
17:02	ZZZZZZ	3123	26678	8070	1153 !
17:16	ZZZZZZ	3945	31027	8617	1782
17:21	ZZZZZZ	4398	36751	10781	1352
17:25	ZZZZZZ	4909	41588	11763	1743
17:30	MA10772-CCV10	3870	30414	8480	1784
17:34	MA10772-CCB10	3976	30725	8638	2029
17:39	ZZZZZZ	4911	44207	12704	1647
17:44	ZZZZZZ	5851	46930	13315	1798
17:48	ZZZZZZ	3546	37938 !	10982 !	1675
17:53	MA10772-CRIA2	3964	31095	8705	1980

INTERNAL STANDARD SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10772
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:58	MA10772-ICSA2	3538	28441	8340	1559
18:02	MA10772-ICSAB2	3509	28369	8280	1530
18:07	MA10772-CCV11	3793	30295	8502	1759
18:11	MA10772-CCB11	3923	30456	8712	2007

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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10772 Units: ug/l

Time:			08:42		09:39		10:33		11:27	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	20	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	5.0	.5	anr							
Cadmium	4.0	.5	anr							
Calcium	5000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	20	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	20	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	3.8	<10000	26.4	<10000	18.9	<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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10772 Units: ug/l

Time:			12:22		13:16		13:57		14:49	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	20	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	5.0	.5	anr							
Cadmium	4.0	.5	anr							
Calcium	5000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	20	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	20	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	0.40	<10000	11.2	<10000	18.0	<10000	27.5	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10772 Units: ug/l

Time:			15:43		16:39		17:34		18:11	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	20	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	5.0	.5	anr							
Cadmium	4.0	.5	anr							
Calcium	5000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	20	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	20	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	5.4	<10000	-0.60	<10000	34.9	<10000	26.1	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10772 Units: ug/l

Time:		08:36			09:30			10:29	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	40100	100.3	40000	38600	96.5	40000	39300	98.3
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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10772 Units: ug/l

Time:		11:23			12:14			13:12	
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									
Selenium	anr								
Silver	anr								
Sodium	40000	39200	98.0	40000	39200	98.0	40000	38800	97.0
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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10772 Units: ug/l

Time:		13:49			14:44			15:39	
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									
Selenium	anr								
Silver	anr								
Sodium	40000	39700	99.3	40000	39700	99.3	40000	40400	101.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10772 Units: ug/l

Time:		16:35			17:30			18:07	
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									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	40300	100.8	40000	40600	101.5	40000	42800	107.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10772 Units: ug/l

Time:		08:23	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium	80000	79100	98.9
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10772 Units: ug/l

Time:			08:50		17:53	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	10900	109.0
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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10772 Units: ug/l

Time:			08:59		09:17		17:58		18:02	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	473000	94.6	503000	100.6	524000	104.8	525000	105.0
Antimony		1000	-1.9		995	99.5	-2.7		1120	112.0
Arsenic		1000	0.40		1010	101.0	1.7		1120	112.0
Barium		500	0.0		503	100.6	0.0		550	110.0
Beryllium		500	-0.20		485	97.0	0.0		508	101.6
Cadmium		1000	0.60		903	90.3	1.3		951	95.1
Calcium	500000	500000	464000	92.8	485000	97.0	484000	96.8	491000	98.2
Chromium		500	0.0		464	92.8	0.20		475	95.0
Cobalt		500	-0.90		452	90.4	-0.60		487	97.4
Copper		500	1.6		515	103.0	2.7		564	112.8
Iron	200000	200000	185000	92.5	193000	96.5	190000	95.0	198000	99.0
Lead		1000	0.0		922	92.2	4.7		948	94.8
Magnesium	500000	500000	472000	94.4	487000	97.4	475000	95.0	477000	95.4
Manganese		500	0.0		475	95.0	-0.40		481	96.2
Molybdenum		1000	0.50		933	93.3	1.1		1020	102.0
Nickel		1000	0.50		892	89.2	1.5		948	94.8
Potassium			52.9		72.7		173		135	
Selenium		1000	0.0		976	97.6	3.6		1080	108.0
Silver		1000	0.50		954	95.4	0.30		983	98.3
Sodium			109		187		126		159	
Strontium		1000	11.4		1000	100.0	13.5		1100	110.0
Thallium		1000	-1.5		932	93.2	-3.0		966	96.6
Tin		1000	0.30		900	90.0	1.3		938	93.8
Titanium		1000	-6.8		951	95.1	-6.0		1000	100.0
Vanadium		500	-0.60		465	93.0	0.20		485	97.0
Zinc		1000	-3.6		903	90.3	-4.1		908	90.8

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25173
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/20/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	21.6	<200
Antimony	6.0	1.3	1.3	-0.30	<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	0.0	<5.0
Calcium	1000	50	50	21.9	<1000
Chromium	10	1.8	2	0.0	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	6.6	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	13.7	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	2.8	<10000
Selenium	10	2	2	0.50	<10
Silver	10	.5	.5		
Sodium	10000	500	500	-2.7	<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 MP25173: FA4690-1, FA4690-2

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: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25173
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/20/13 05/20/13

Metal	FA4770-1 Original	DUP	RPD	QC Limits	FA4770-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	0.00	0.00 (a)	NC	0-20	0.00	30600(a)	27000	113.3	80-120
Antimony	0.0	0.0 (a)	NC	0-20	0.0	621 (a)	500	124.2N(b	80-120
Arsenic	0.0	0.0 (a)	NC	0-20	0.0	2470 (a)	2000	123.5N(b	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0 (a)	NC	0-20	0.0	49.7 (a)	50	99.4	80-120
Calcium	741000	755000	1.9	0-20	741000	784000	25000	172.0(c)	80-120
Chromium	0.0	0.0 (a)	NC	0-20	0.0	227 (a)	200	113.5	80-120
Cobalt	anr								
Copper	anr								
Iron	0.00	0.00 (a)	NC	0-20	0.00	28300(a)	26000	108.8	80-120
Lead	anr								
Magnesium	1270000	1320000	3.9	0-20	1270000	1360000	25000	360.0(c)	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	75300	78500	4.2	0-20	75300	111000	25000	142.8N(b	80-120
Selenium	0.0	0.0 (a)	NC	0-20	0.0	2540 (a)	2000	127.0N(b	80-120
Silver	anr								
Sodium	3700000	3590000	3.0	0-20	3700000	3760000	25000	240.0(c)	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP25173: FA4690-1, FA4690-2

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) Elevated reporting limit(s) due to matrix interference.
(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 AND DUPLICATE RESULTS SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25173 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/20/13

Metal	FA4770-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	0.00	30100(a)	27000	111.5	1.6	20
Antimony	0.0	590 (a)	500	118.0	5.1	20
Arsenic	0.0	2390 (a)	2000	119.5	3.3	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	48.9 (a)	50	97.8	1.6	20
Calcium	741000	789000	25000	192.0(b)	0.6	20
Chromium	0.0	222 (a)	200	111.0	2.2	20
Cobalt	anr					
Copper	anr					
Iron	0.00	28200(a)	26000	108.5	0.4	20
Lead	anr					
Magnesium	1270000	1370000	25000	400.0(b)	0.7	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	75300	110000	25000	138.8N(c	0.9	20
Selenium	0.0	2440 (a)	2000	122.0N(c	4.0	20
Silver	anr					
Sodium	3700000	3720000	25000	80.0	1.1	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP25173: FA4690-1, FA4690-2

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) Elevated reporting limit(s) due to matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25173
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/20/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28300	27000	104.8	80-120
Antimony	514	500	102.8	80-120
Arsenic	2050	2000	102.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	53.1	50	106.2	80-120
Calcium	27300	25000	109.2	80-120
Chromium	217	200	108.5	80-120
Cobalt	anr			
Copper	anr			
Iron	28300	26000	108.8	80-120
Lead	anr			
Magnesium	26500	25000	106.0	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	26400	25000	105.6	80-120
Selenium	2030	2000	101.5	80-120
Silver	anr			
Sodium	27300	25000	109.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25173: FA4690-1, FA4690-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25173
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/20/13

Metal	FA4770-1 Original	SDL 5:25	%DIF	QC Limits
Aluminum	0.00	0.00	NC	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	741000	770000	4.0	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	anr			
Copper	anr			
Iron	0.00	0.00	NC	0-10
Lead	anr			
Magnesium	1270000	1250000	1.6	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	75300	73300	2.6	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	3700000	3930000	6.2	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25173: FA4690-1, FA4690-2

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

POST DIGESTATE SPIKE SUMMARY

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25173
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/20/13

Metal	Sample ml	Final ml	FA4770-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	0	0	2804	0.2	125	2500	112.2	80-120
Antimony	9.8	10	0	0	112.5	0.2	5	100	112.5	80-120
Arsenic	9.8	10	0	0	118.2	0.2	5	100	118.2	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	50.2	0.2	2.5	50	100.4	80-120
Calcium	9.8	10	740600	725788	801000	0.2	250	5000	1504.2*a	80-120
Chromium	9.8	10	0	0	57.3	0.2	2.5	50	114.6	80-120
Cobalt										
Copper										
Iron	9.8	10	0	0	3311	0.2	150	3000	110.4	80-120
Lead										
Magnesium	9.8	10	1274000	1248520	1387000	0.2	250	5000	2769.6*a	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	75260	73754.8	94060	0.2	500	10000	203.1*(a	80-120
Selenium	9.8	10	0	0	105.9	0.2	5	100	105.9	80-120
Silver										
Sodium	9.8	10	3697000	3623060	3780000	0.2	500	10000	1569.4*a	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25173: FA4690-1, FA4690-2

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: FA4690
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	GN55830	5.0	1.6	mg/l	250	253	101.2	90-113%
Chloride	GP21664/GN55789	2.0	0.0	mg/l	50	50.3	100.6	90-110%
Fluoride	GP21691/GN55864	0.20	0.0	mg/l	2.5	2.28	91.2	90-110%
Nitrogen, Nitrate	GP21664/GN55789	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Nitrogen, Nitrite	GP21664/GN55789	0.10	0.0	mg/l	2.5	2.55	102.0	90-110%
Phosphate, Ortho	GP21674/GN55800	0.10	0.0	mg/l	0.300	0.30	100.6	83-116%
Phosphorus, Total	GP21662/GN55798	0.10	0.0	mg/l	.300	0.28	93.0	81-118%
Solids, Total Dissolved	GN55829	100	27.0	mg/l				
Solids, Total Dissolved	GN55879	100	0.0	mg/l				
Specific Conductivity	GN55771	1.0	0.0	umhos/cm				
Sulfate	GP21664/GN55789	2.0	0.0	mg/l	50	47.4	94.8	90-110%

Associated Samples:
Batch GN55771: FA4690-1, FA4690-2
Batch GN55829: FA4690-2
Batch GN55830: FA4690-1, FA4690-2
Batch GN55879: FA4690-1
Batch GP21662: FA4690-1, FA4690-2
Batch GP21664: FA4690-1, FA4690-2
Batch GP21674: FA4690-1F, FA4690-2F
Batch GP21691: FA4690-1, FA4690-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4690
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	GN55830	FA4648-2	mg/l	260	263	1.1	0-20%
Phosphorus, Total	GP21662/GN55798	FA4690-1	mg/l	2570	2550	0.9	0-22%
Solids, Total Dissolved	GN55829	FA4647-8	mg/l	70.0	65.0	7.4(a)	0-5%
Solids, Total Dissolved	GN55879	FA4694-5	mg/l	499	508	1.8	0-5%
Specific Conductivity	GN55771	FA4690-1	umhos/cm	12900	13000	0.8	0-10%
pH	GN55772	FA4690-1	su	2.16	2.16	0.0	0-10%

Associated Samples:
Batch GN55771: FA4690-1, FA4690-2
Batch GN55772: FA4690-1, FA4690-2
Batch GN55829: FA4690-2
Batch GN55830: FA4690-1, FA4690-2
Batch GN55879: FA4690-1
Batch GP21662: FA4690-1, FA4690-2
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4690
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	GN55830	FA4648-2	mg/l	260	250	511	100.4	90-113%
Chloride	GP21664/GN55789	FA4698-3	mg/l	362	50	399	74.0(a)	90-110%
Fluoride	GP21691/GN55864	FA4469-1	mg/l	0.12 U	2.5	2.7	108.0	90-110%
Nitrogen, Nitrate	GP21664/GN55789	FA4698-3	mg/l	4.7	2.5	7.0	92.0	90-110%
Nitrogen, Nitrite	GP21664/GN55789	FA4698-3	mg/l	0.25 U	2.5	2.5	100.0	90-110%
Phosphate, Ortho	GP21674/GN55800	FA4708-5	mg/l	0.0	0.300	0.32	103.5	83-116%
Phosphorus, Total	GP21662/GN55798	FA4690-1	mg/l	2570	3000	2680	3.7*(b)	81-118%
Sulfate	GP21664/GN55789	FA4698-3	mg/l	120	50	165	90.0	90-110%

Associated Samples:
Batch GN55830: FA4690-1, FA4690-2
Batch GP21662: FA4690-1, FA4690-2
Batch GP21664: FA4690-1, FA4690-2
Batch GP21674: FA4690-1F, FA4690-2F
Batch GP21691: FA4690-1, FA4690-2
(*) 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.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4690
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	GP21664/GN55789	FA4698-3	mg/l	362	50	398	0.3	20%
Fluoride	GP21691/GN55864	FA4469-1	mg/l	0.12 U	2.5	2.8	3.6	20%
Nitrogen, Nitrate	GP21664/GN55789	FA4698-3	mg/l	4.7	2.5	7.0	0.0	20%
Nitrogen, Nitrite	GP21664/GN55789	FA4698-3	mg/l	0.25 U	2.5	2.6	3.9	20%
Phosphate, Ortho	GP21674/GN55800	FA4708-5	mg/l	0.0	0.300	0.325	0.7	26%
Phosphorus, Total	GP21662/GN55798	FA4690-1	mg/l	2570	3000	2640	1.7	22%
Sulfate	GP21664/GN55789	FA4698-3	mg/l	120	50	165	0.0	20%

Associated Samples:
Batch GP21662: FA4690-1, FA4690-2
Batch GP21664: FA4690-1, FA4690-2
Batch GP21674: FA4690-1F, FA4690-2F
Batch GP21691: FA4690-1, FA4690-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313160501.TXT Date Analyzed: 05/16/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55789
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:15	GN55789-CCV1	1		
09:32	GP21664-MB1	1		
09:49	GP21664-B1	1		
11:03	FA4690-1	100		
11:20	FA4690-1	200		
11:37	FA4690-2	100		
11:54	FA4690-2	200		
12:11	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:45	GN55789-CCV2	1		
13:02	GN55789-CCB1	1		
13:18	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:52	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:26	ZZZZZZ	5		
14:43	ZZZZZZ	5		
15:00	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:34	FA4704-1	1		(sample used for QC only; not part of login FA4690)
15:51	ZZZZZZ	5		
16:08	GN55789-CCV3	1		
16:25	GN55789-CCB2	1		
16:42	ZZZZZZ	5		
16:58	FA4698-3	5		(sample used for QC only; not part of login FA4690)
17:15	ZZZZZZ	5		
17:32	ZZZZZZ	1		
17:49	ZZZZZZ	2		
18:06	ZZZZZZ	2		
18:23	GP21664-S1	5		
18:40	GP21664-S2	5		
18:57	GP21664-S3	1		
19:14	GP21664-S4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313160501.TXT Date Analyzed: 05/16/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55789
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:31	GN55789-CCV4	1		
19:48	GP21665-MB1	1		
20:05	GP21665-B1	1		
20:55	FA4708-5	1		(sample used for QC only; not part of login FA4690)
21:12	ZZZZZZ	2		
21:29	ZZZZZZ	1		
21:46	ZZZZZZ	1		
22:03	GP21665-S1	1		
22:20	GP21665-S2	1		
22:37	GN55789-CCV5	1		
22:54	GN55789-CCB3	1		
23:11	FA4704-1	2		(sample used for QC only; not part of login FA4690)
23:28	GP21664-S3	2		
23:45	GP21664-S4	2		
00:02	GN55789-CCV6	1		
00:19	GN55789-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313160501.TXT Date Analyzed: 05/16/13 Methods: EPA 300/SW846 9056A
Run ID: GN55789 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55789-CCV1	Chloride	48.4	2.0	0.80	50	96.8	90-110
GN55789-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN55789-CCV1	Sulfate	47.2	2.0	0.60	50	94.4	90-110
GN55789-CCV2	Chloride	48.8	2.0	0.80	50	97.6	90-110
GN55789-CCV2	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN55789-CCV2	Sulfate	48.5	2.0	0.60	50	97.0	90-110
GN55789-CCB1	Chloride	0.80 U	2.0	0.80			
GN55789-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55789-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55789-CCV3	Chloride	48.8	2.0	0.80	50	97.6	90-110
GN55789-CCV3	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN55789-CCV3	Sulfate	48.5	2.0	0.60	50	97.0	90-110
GN55789-CCB2	Chloride	0.80 U	2.0	0.80			
GN55789-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55789-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55789-CCV4	Chloride	49.3	2.0	0.80	50	98.6	90-110
GN55789-CCV4	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN55789-CCV4	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN55789-CCV5	Chloride	49.0	2.0	0.80	50	98.0	90-110
GN55789-CCV5	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN55789-CCV5	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN55789-CCB3	Chloride	0.80 U	2.0	0.80			
GN55789-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55789-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55789-CCV6	Chloride	49.7	2.0	0.80	50	99.4	90-110
GN55789-CCV6	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN55789-CCV6	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN55789-CCB4	Chloride	0.80 U	2.0	0.80			
GN55789-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55789-CCB4	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213210501.TXT Date Analyzed: 05/21/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55864
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:10	GN55864-CCV1	1		
09:27	GP21691-MB1	1		
10:34	GP21691-B1	1		
11:08	FA4469-1	2		(sample used for QC only; not part of login FA4690)
11:25	ZZZZZZ	5		
11:42	ZZZZZZ	5		
11:59	ZZZZZZ	2		
12:16	GN55864-CCV2	1		
12:32	GN55864-CCB1	1		
12:49	ZZZZZZ	2		
13:06	ZZZZZZ	2		
13:23	ZZZZZZ	2000		
13:40	FA4690-1	2000		
13:57	FA4690-2	2000		
14:32	GP21691-S1	2		
14:49	GP21691-S2	2		
15:27	GN55864-CCV3	1		
15:43	GN55864-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4690
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213210501.TXT Date Analyzed: 05/21/13 Methods: EPA 300/SW846 9056A
Run ID: GN55864 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55864-CCV1	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN55864-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55864-CCB1	Fluoride	0.060 U	0.20	0.060			
GN55864-CCV3	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN55864-CCB2	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

06/10/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA4834

Sampling Date: 05/20/13

Report to:

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

ATTN: Tim Huff

Total number of pages in report: **103**

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: FA4834

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
FA4834-1	05/20/13	12:05	TP	05/21/13	AQ	Ground Water	A-27-090
FA4834-1F	05/20/13	12:05	TP	05/21/13	AQ	Ground Water	A-27-090
FA4834-2	05/20/13	12:50	TP	05/21/13	AQ	Ground Water	A-27-135
FA4834-2F	05/20/13	12:50	TP	05/21/13	AQ	Ground Water	A-27-135
FA4834-3	05/20/13	14:05	TP	05/21/13	AQ	Ground Water	A-35-155
FA4834-3F	05/20/13	14:05	TP	05/21/13	AQ	Ground Water	A-35-155
FA4834-4	05/20/13	14:25	TP	05/21/13	AQ	Ground Water	DUP 05202013
FA4834-4F	05/20/13	14:25	TP	05/21/13	AQ	Ground Water	DUP 05202013

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA4834

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 6/9/2013 4:45:49 PM

4 Sample(s) were collected on 05/20/2013 and were received at Accutest SE on 05/21/2013 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of FA4834. 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:** MP25198

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) FA4810-13DUP, FA4810-13MS, FA4810-13MSD, FA4810-13PS, FA4810-13SDL were used as the QC samples.

RPD(s) for Duplicate for Aluminum, Chromium, Selenium are outside control limits for sample MP25198-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Potassium, Selenium are outside control limits for sample MP25198-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: AQ **Batch ID:** MP25221

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) FA4954-1DUP, FA4954-1MS, FA4954-1MSD, FA4954-1PS, FA4954-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Aluminum, Iron, Potassium are outside control limits for sample MP25221-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55851

All method blanks for this batch meet method specific criteria.
Sample(s) FA4834-4DUP was used as the QC samples for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA4834-1, FA4834-2. Sample analyzed beyond hold time.

FA4834-1, FA4834-2 for Specific Conductivity: Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21693

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) FA4820-1MS, FA4820-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.
FA4834-1 for Chloride: Dilution required due to matrix interference.
FA4834-3 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21799

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) FA4828-1MSD, FA4828-1MS 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 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21799

FA4834-1 for Fluoride: Dilution required due to matrix interference.

FA4834-2 for Fluoride: Dilution required due to matrix interference.

FA4834-4 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21688

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) FA4834-1FMS, FA4834-1FMSD were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21762

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) FA5051-11DUP, FA5051-11MS, FA5051-11MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN55850

Sample(s) FA4834-4DUP was used as the QC sample for pH.

FA4834-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA4834-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA4834-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA4834-4 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN55866

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4834-3DUP, FA4834-3MS, FA4834-4DUP, FA4834-4MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN55895

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4834-1DUP, FA4834-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55929

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4875-3DUP 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: June 9, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA4834
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4834-1	**A-27-090**					
Aluminum		0.113 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0027 J	0.0060	0.0013	mg/l	SW846 6010C
Arsenic		0.0210	0.010	0.0025	mg/l	SW846 6010C
Calcium		352	1.0	0.050	mg/l	SW846 6010C
Iron		0.174 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		199	5.0	0.074	mg/l	SW846 6010C
Potassium		43.2	10	0.20	mg/l	SW846 6010C
Selenium		0.0408	0.010	0.0020	mg/l	SW846 6010C
Sodium		247	100	5.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		753	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		753	25	13	mg/l	SM19 2320B
Chloride [a]		45.6 J	50	20	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		68.5	2.5	1.3	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		92.3	25	7.0	mg/l	EPA 365.3
Solids, Total Dissolved		3480	200	20	mg/l	SM19 2540C
Specific Conductivity [b]		3370	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1520	50	15	mg/l	EPA 300/SW846 9056A
pH [c]		6.28			su	SM 4500H B/SW 9040C
FA4834-1F	**A-27-090**					
Phosphate, Ortho		15.6	10	1.9	mg/l	EPA 365.3
FA4834-2	**A-27-135**					
Aluminum		0.0150 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0019 J	0.0060	0.0013	mg/l	SW846 6010C
Arsenic		0.0448	0.010	0.0025	mg/l	SW846 6010C
Calcium		369	1.0	0.050	mg/l	SW846 6010C
Magnesium		193	5.0	0.074	mg/l	SW846 6010C
Potassium		31.8	10	0.20	mg/l	SW846 6010C
Selenium		0.0436	0.010	0.0020	mg/l	SW846 6010C
Sodium		441	100	5.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		961	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		962	25	13	mg/l	SM19 2320B
Chloride		64.6	50	20	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		33.4	2.5	1.3	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		78.5	25	7.0	mg/l	EPA 365.3
Solids, Total Dissolved		3700	200	20	mg/l	SM19 2540C
Specific Conductivity [b]		3480	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1580	50	15	mg/l	EPA 300/SW846 9056A
pH [c]		6.31			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA4834
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4834-2F	**A-27-135**					
Phosphate, Ortho		49.8	10	1.9	mg/l	EPA 365.3
FA4834-3	**A-35-155**					
Calcium		364	1.0	0.050	mg/l	SW846 6010C
Iron		0.0588 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		164	5.0	0.074	mg/l	SW846 6010C
Potassium		8.97 J	10	0.20	mg/l	SW846 6010C
Sodium		76.4	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		360	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		360	5.0	0.60	mg/l	SM19 2320B
Chloride		34.5	20	8.0	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]		0.99 J	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		1.5	0.50	0.14	mg/l	EPA 365.3
Solids, Total Dissolved		2370	200	20	mg/l	SM19 2540C
Specific Conductivity		2070	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1310	50	15	mg/l	EPA 300/SW846 9056A
pH [c]		7.07			su	SM 4500H B/SW 9040C
FA4834-3F	**A-35-155**					
Phosphate, Ortho		0.69	0.50	0.095	mg/l	EPA 365.3
FA4834-4	**DUP 05202013**					
Calcium		374	1.0	0.050	mg/l	SW846 6010C
Iron		0.208 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		165	5.0	0.074	mg/l	SW846 6010C
Potassium		9.46 J	10	0.20	mg/l	SW846 6010C
Selenium		0.0024 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		78.9	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		379	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		379	5.0	0.60	mg/l	SM19 2320B
Chloride		33.9	20	8.0	mg/l	EPA 300/SW846 9056A
Fluoride [a]		0.69 J	2.0	0.60	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		1.1	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		1.5	0.50	0.14	mg/l	EPA 365.3
Solids, Total Dissolved		2440	200	20	mg/l	SM19 2540C
Specific Conductivity		2050	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1300	50	15	mg/l	EPA 300/SW846 9056A
pH [c]		7.16			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA4834
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/20/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4834-4F	**DUP 05202013**					
Phosphate, Ortho		0.64	0.50	0.095	mg/l	EPA 365.3

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-27-090		
Lab Sample ID:	FA4834-1	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.113 J	0.20	0.015	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0027 J	0.0060	0.0013	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0210	0.010	0.0025	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	352	1.0	0.050	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.174 J	0.30	0.029	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	199	5.0	0.074	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	43.2	10	0.20	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0408	0.010	0.0020	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	247	100	5.0	mg/l	10	05/23/13	05/24/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10774
(2) Instrument QC Batch: MA10776
(3) Prep QC Batch: MP25198

RL = 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:	FA4834-1	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	753	5.0	5.0	mg/l	1	05/23/13 11:45	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/23/13 11:45	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	753	25	13	mg/l	1	05/23/13 11:45	AC	SM19 2320B
Chloride [a]	45.6 J	50	20	mg/l	25	05/21/13 13:48	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	06/06/13 11:50	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	68.5	2.5	1.3	mg/l	25	05/21/13 13:48	AA	EPA 300/SW846 9056A
Phosphorus, Total	92.3	25	7.0	mg/l	250	06/03/13 10:02	LE	EPA 365.3
Solids, Total Dissolved	3480	200	20	mg/l	2	05/24/13 12:00	KC	SM19 2540C
Specific Conductivity [b]	3370	1.0	1.0	umhos/cm	1	05/21/13 13:35	LE	EPA 120.1
Sulfate	1520	50	15	mg/l	25	05/21/13 13:48	AA	EPA 300/SW846 9056A
pH [c]	6.28			su	1	05/21/13 13:45	LE	SM 4500H B/SW 9040C

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-27-090		
Lab Sample ID:	FA4834-1F	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	15.6	10	1.9	mg/l	100	05/21/13 14:00	JA	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-27-135		
Lab Sample ID:	FA4834-2	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0150 J	0.20	0.015	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0019 J	0.0060	0.0013	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0448	0.010	0.0025	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	369	1.0	0.050	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.029 U	0.30	0.029	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	193	5.0	0.074	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	31.8	10	0.20	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0436	0.010	0.0020	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	441	100	5.0	mg/l	10	05/23/13	05/24/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10774
(2) Instrument QC Batch: MA10776
(3) Prep QC Batch: MP25198

RL = 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:	FA4834-2	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	961	5.0	5.0	mg/l	1	05/23/13 11:45	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/23/13 11:45	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	962	25	13	mg/l	1	05/23/13 11:45	AC	SM19 2320B
Chloride	64.6	50	20	mg/l	25	05/21/13 14:05	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	06/06/13 12:07	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	33.4	2.5	1.3	mg/l	25	05/21/13 14:05	AA	EPA 300/SW846 9056A
Phosphorus, Total	78.5	25	7.0	mg/l	250	06/03/13 10:02	LE	EPA 365.3
Solids, Total Dissolved	3700	200	20	mg/l	2	05/24/13 12:00	KC	SM19 2540C
Specific Conductivity [b]	3480	1.0	1.0	umhos/cm	1	05/21/13 13:35	LE	EPA 120.1
Sulfate	1580	50	15	mg/l	25	05/21/13 14:05	AA	EPA 300/SW846 9056A
pH [c]	6.31			su	1	05/21/13 13:45	LE	SM 4500H B/SW 9040C

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-27-135		
Lab Sample ID:	FA4834-2F	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	49.8	10	1.9	mg/l	100	05/21/13 14:00	JA	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-35-155		
Lab Sample ID:	FA4834-3	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.015 U	0.20	0.015	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	364	1.0	0.050	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.0588 J	0.30	0.029	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	164	5.0	0.074	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	8.97 J	10	0.20	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	76.4	10	0.50	mg/l	1	05/23/13	05/23/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10774
(2) Prep QC Batch: MP25198

RL = 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:	FA4834-3	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	360	5.0	5.0	mg/l	1	05/22/13 11:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/22/13 11:00	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	360	5.0	0.60	mg/l	1	05/22/13 11:00	HH	SM19 2320B
Chloride	34.5	20	8.0	mg/l	10	05/21/13 14:21	AA	EPA 300/SW846 9056A
Fluoride	0.60 U	2.0	0.60	mg/l	10	06/06/13 12:24	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	0.99 J	1.0	0.50	mg/l	10	05/21/13 14:21	AA	EPA 300/SW846 9056A
Phosphorus, Total	1.5	0.50	0.14	mg/l	5	06/03/13 10:02	LE	EPA 365.3
Solids, Total Dissolved	2370	200	20	mg/l	2	05/24/13 12:00	KC	SM19 2540C
Specific Conductivity	2070	1.0	1.0	umhos/cm	1	05/21/13 13:35	LE	EPA 120.1
Sulfate	1310	50	15	mg/l	25	05/21/13 18:52	AA	EPA 300/SW846 9056A
pH [b]	7.07			su	1	05/21/13 13:45	LE	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-35-155		
Lab Sample ID:	FA4834-3F	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	0.69	0.50	0.095	mg/l	5	05/21/13 14:00	JA	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	DUP 05202013		
Lab Sample ID:	FA4834-4	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.015 U	0.20	0.015	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	374	1.0	0.050	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.208 J	0.30	0.029	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	165	5.0	0.074	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	9.46 J	10	0.20	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0024 J	0.010	0.0020	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	78.9	10	0.50	mg/l	1	05/28/13	05/28/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10780
(2) Prep QC Batch: MP25221

RL = 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 05202013		
Lab Sample ID:	FA4834-4	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	379	5.0	5.0	mg/l	1	05/22/13 11:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/22/13 11:00	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	379	5.0	0.60	mg/l	1	05/22/13 11:00	HH	SM19 2320B
Chloride	33.9	20	8.0	mg/l	10	05/21/13 14:38	AA	EPA 300/SW846 9056A
Fluoride [a]	0.69 J	2.0	0.60	mg/l	10	06/06/13 12:41	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	1.1	1.0	0.50	mg/l	10	05/21/13 14:38	AA	EPA 300/SW846 9056A
Phosphorus, Total	1.5	0.50	0.14	mg/l	5	06/03/13 10:02	LE	EPA 365.3
Solids, Total Dissolved	2440	200	20	mg/l	2	05/24/13 12:00	KC	SM19 2540C
Specific Conductivity	2050	1.0	1.0	umhos/cm	1	05/21/13 13:35	LE	EPA 120.1
Sulfate	1300	50	15	mg/l	25	05/21/13 19:09	AA	EPA 300/SW846 9056A
pH [b]	7.16			su	1	05/21/13 13:45	LE	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:	DUP 05202013		
Lab Sample ID:	FA4834-4F	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	0.64	0.50	0.095	mg/l	5	05/21/13 14:00	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 # FA4834 PAGE_____OF_____

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: WSP ENV & NG
Address: 205 W. Park St.
City: Jackson State: MO Zip: 63755
Project Contact: Tim Huff E-mail: Tim.Huff@wspgroup.com
Phone#: 573-243-6591
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	MeOH	HNO3	H2SO4	NaOH/ZnAc	DI WATER	MEOH	SEE ATTACHED
1	A-27-050	052013	1505	TRP	GW	4		X			X	X				X
2	A-27-135	052013	1050	TRP		4		X			X	X				X
3	A-35-155	052013	1115	TRP		4		X			X	X				X
4	DUP 05202013	052013	1425	TRP		4		X			X	X				X

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

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

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

Data Deliverable Information

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

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Tom Pattie	052013	2 FP	3 FP 05-21-13	930	4 KWilliams
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.6

FA4834: Chain of Custody
Page 1 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

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

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

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA4834 CLIENT: WST PROJECT: Agcivm

DATE/TIME RECEIVED: 05-21-13 930 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3227 5095

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 ? _____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OR 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 Willh 05-21-13 REVIEWER SIGNATURE/DATE [signature] 05/21/13

NF 10/09

RECEIPT CONFIRMATION 100609 (2).xls

5.1

5

FA4834: Chain of Custody

Page 3 of 3

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10774
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:08	MA10774-STD1	1		STDA
08:12	MA10774-STD2	1		STDB
08:16	MA10774-STD3	1		STDC
08:20	MA10774-STD4	1		STDD
08:25	MA10774-HSTD1	1		
08:37	MA10774-ICV1	1		
08:43	MA10774-ICB1	1		
08:48	MA10774-CRIA1	1		
09:07	MA10774-ICSA1	1		
09:22	MA10774-ICSAB1	1		
09:32	MA10774-CCV1	1		
09:37	MA10774-CCB1	1		
09:48	MP25196-B1	1		
09:52	FA4857-1	1		(sample used for QC only; not part of login FA4834)
09:56	MP25196-D1	1		
10:01	MP25196-SD1	5		
10:05	MP25196-PS1	1		
10:09	MP25196-S1	1		
10:13	MP25196-S2	1		
10:17	ZZZZZZ	1		
10:21	ZZZZZZ	1		
10:25	MA10774-CCV2	1		
10:29	MA10774-CCB2	1		
10:34	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:55	ZZZZZZ	1		
10:59	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:07	ZZZZZZ	1		
11:12	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10774
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:16	MA10774-CCV3	1		
11:20	MA10774-CCB3	1		
11:24	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:33	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:46	ZZZZZZ	1		
11:50	ZZZZZZ	1		
11:54	MP25198-MB1	1		
11:58	MP25198-B1	1		
12:02	FA4810-13	1		(sample used for QC only; not part of login FA4834)
12:07	MA10774-CCV4	1		
12:11	MA10774-CCB4	1		
12:15	MP25198-D1	1		
12:19	MP25198-SD1	5		
12:23	MP25198-PS1	1		
12:27	MP25198-S1	1		
12:31	MP25198-S2	1		
12:35	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:57	MA10774-CCV5	1		
13:01	MA10774-CCB5	1		
13:05	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:31	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10774
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:35	ZZZZZZ	1		
	13:40	ZZZZZZ	1		
	13:44	ZZZZZZ	1		
	13:48	MA10774-CCV6	1		
	13:53	MA10774-CCB6	1		
	14:21	MA10774-CCV7	1		
	14:30	MA10774-CCB7	1		
	14:34	ZZZZZZ	1		
	14:39	FA4834-1	1		
	14:43	FA4834-2	1		
	14:48	FA4834-3	1		
---------->	Last reportable sample/prep for job FA4834				
	14:52	MP25199-MB1	1		
	14:56	MP25199-B1	1		
	15:00	FA4722-1L	1		(sample used for QC only; not part of login FA4834)
	15:05	MP25199-D1	1		
	15:09	MP25199-SD1	5		
	15:13	MP25199-S1	1		
	15:18	MA10774-CCV8	1		
	15:22	MA10774-CCB8	1		
	15:26	MP25199-S2	1		
	15:30	ZZZZZZ	1		
	15:34	ZZZZZZ	1		
	15:39	ZZZZZZ	1		
	15:43	ZZZZZZ	1		
	15:48	ZZZZZZ	1		
	15:52	MP25199-D2	1		
	15:56	MP25199-MB2	1		
	16:01	MP25199-B2	1		
	16:05	FA4850-1L	1		(sample used for QC only; not part of login FA4834)
	16:09	MA10774-CCV9	1		
	16:13	MA10774-CCB9	1		
	16:18	ZZZZZZ	1		
	16:22	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10774
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:26	ZZZZZZ	1		
16:31	MP25199-D3	1		
16:35	MP25199-MB3	1		
16:40	MP25199-B3	1		
16:44	MP25204-MB1	1		
16:48	MP25204-B1	1		
16:52	FA4859-3	1		(sample used for QC only; not part of login FA4834)
16:57	MP25204-D1	1		
17:01	MA10774-CCV10	1		
17:05	MA10774-CCB10	1		
17:10	MP25204-SD1	5		
17:14	MP25204-PS1	1		
17:18	MP25204-S1	1		
17:23	MP25204-S2	1		
17:27	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:36	ZZZZZZ	1		
17:45	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:53	MA10774-CCV11	1		
17:58	MA10774-CCB11	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		
18:32	ZZZZZZ	1		
18:36	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:45	MA10774-CCV12	1		
18:49	MA10774-CCB12	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10774
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:53	ZZZZZZ	1		
18:57	MA10774-CRIA2	1		
19:01	MA10774-ICSA2	1		
19:06	MA10774-ICSAB2	1		
19:10	MA10774-CCV13	1		
19:14	MA10774-CCB13	1		

----------> Last reportable CCB for job FA4834
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10774
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:08	MA10774-STD1	5116	36331	9826	2296
08:12	MA10774-STD2	5072	35435	9969	2157
08:16	MA10774-STD3	4901	34425	9781	1926
08:20	MA10774-STD4	4808	33962	9766	1775
08:25	MA10774-HSTD1	4751	33511	9672	1748
08:37	MA10774-ICV1	4907	34292	9833	1921
08:43	MA10774-ICB1	5178 R	36797 R	9914 R	2288 R
08:48	MA10774-CRIA1	5095	35725	9701	2182
09:07	MA10774-ICSA1	4534	30977	9436	1659
09:22	MA10774-ICSAB1	4572	31053	9412	1624
09:32	MA10774-CCV1	4909	34018	9511	1869
09:37	MA10774-CCB1	5108	35526	9587	2224
09:48	MP25196-B1	5101	35858	9908	2047
09:52	FA4857-1	5004	35472	9974	2105
09:56	MP25196-D1	5023	35837	9968	2096
10:01	MP25196-SD1	5097	36263	9705	2181
10:05	MP25196-PS1	5057	35595	9957	2048
10:09	MP25196-S1	5058	35328	9942	1962
10:13	MP25196-S2	5035	35091	9888	1949
10:17	ZZZZZZ	5232	37005	9998	2235
10:21	ZZZZZZ	5203	36896	9981	2224
10:25	MA10774-CCV2	4883	34358	9550	1877
10:29	MA10774-CCB2	5103	36209	9825	2251
10:34	ZZZZZZ	5198	36895	10057	2231
10:38	ZZZZZZ	5271	37539	10005	2301
10:42	ZZZZZZ	5194	36602	9972	2224
10:46	ZZZZZZ	5179	36472	9888	2220
10:50	ZZZZZZ	5185	36474	9918	2227
10:55	ZZZZZZ	5233	36997	9947	2304
10:59	ZZZZZZ	5235	36919	9989	2300
11:03	ZZZZZZ	5238	37000	10060	2303
11:07	ZZZZZZ	4901	34630	9780	1981
11:12	ZZZZZZ	5019	34966	10126	2060

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10774
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:16	MA10774-CCV3	4878	34074	9566	1885
11:20	MA10774-CCB3	5091	35880	9650	2245
11:24	ZZZZZZ	4881	34421	9783	1992
11:28	ZZZZZZ	4878	34540	9771	2016
11:33	ZZZZZZ	4869	34271	9751	1967
11:37	ZZZZZZ	4885	34364	9789	1973
11:41	ZZZZZZ	4589	32427	9485	1796
11:46	ZZZZZZ	4906	34400	9810	1966
11:50	ZZZZZZ	4934	34341	9826	1939
11:54	MP25198-MB1	5223	36554	9812	2292
11:58	MP25198-B1	5081	35189	9871	2039
12:02	FA4810-13	4920	34198	9819	1940
12:07	MA10774-CCV4	4898	33549	9475	1875
12:11	MA10774-CCB4	5169	35974	9700	2249
12:15	MP25198-D1	4928	34091	9800	1941
12:19	MP25198-SD1	5031	34762	9671	2111
12:23	MP25198-PS1	4936	34142	9871	1928
12:27	MP25198-S1	4878	33738	9720	1847
12:31	MP25198-S2	4909	33741	9816	1864
12:35	ZZZZZZ	5237	36389	9917	2296
12:40	ZZZZZZ	4836	33262	9681	1916
12:44	ZZZZZZ	4780	33009	9529	1989
12:48	ZZZZZZ	4838	33346	9654	1924
12:53	ZZZZZZ	4868	33711	9578	2031
12:57	MA10774-CCV5	4878	33763	9633	1878
13:01	MA10774-CCB5	5138	35720	9822	2251
13:05	ZZZZZZ	4861	33749	9589	2046
13:09	ZZZZZZ	4708	32171	9553	1789
13:14	ZZZZZZ	4890	34317	9676	2014
13:18	ZZZZZZ	4938	34525	9810	2037
13:22	ZZZZZZ	5177	36081	9903	2270
13:27	ZZZZZZ	5209	36433	9916	2280
13:31	ZZZZZZ	4772	33234	9601	1924

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10774
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:35	ZZZZZZ	4836	33444	9632	1939
13:40	ZZZZZZ	4898	33727	9693	1971
13:44	ZZZZZZ	4935	32899	9652	1983
13:48	MA10774-CCV6	4907	33488	9564	1874
13:53	MA10774-CCB6	5109	35299	9694	2232
14:21	MA10774-CCV7	4891	33479	9473	1866
14:30	MA10774-CCB7	5087	35442	9613	2229
14:34	ZZZZZZ	4960	34312	9840	2011
14:39	FA4834-1	4498	31295	9400	1727
14:43	FA4834-2	4421	30840	9214	1681
14:48	FA4834-3	4499	32241	9467	1796
14:52	MP25199-MB1	5097	35719	9737	2272
14:56	MP25199-B1	4964	34658	9772	2032
15:00	FA4722-1L	4840	33798	9755	1986
15:05	MP25199-D1	4835	33774	9703	1980
15:09	MP25199-SD1	4965	34711	9648	2131
15:13	MP25199-S1	4840	33533	9732	1901
15:18	MA10774-CCV8	4821	33366	9506	1872
15:22	MA10774-CCB8	5076	35257	9686	2234
15:26	MP25199-S2	4849	33696	9762	1891
15:30	ZZZZZZ	4842	33674	9753	1971
15:34	ZZZZZZ	4855	33894	9736	1985
15:39	ZZZZZZ	4805	33550	9685	1962
15:43	ZZZZZZ	4715	32929	9641	1930
15:48	ZZZZZZ	4775	32312	9727	1963
15:52	MP25199-D2	4820	33708	9719	1989
15:56	MP25199-MB2	4870	34021	9776	2025
16:01	MP25199-B2	4841	33495	9672	1921
16:05	FA4850-1L	4988	34611	9942	2007
16:09	MA10774-CCV9	4807	33449	9594	1882
16:13	MA10774-CCB9	5024	35071	9632	2240
16:18	ZZZZZZ	4838	33773	9849	1996
16:22	ZZZZZZ	4723	32824	9528	1953

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10774
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:26	ZZZZZZ	No results reported for the elements associated with this internal standard.			
16:31	MP25199-D3	4821	33299	9601	1970
16:35	MP25199-MB3	4836	33840	9696	2017
16:40	MP25199-B3	4816	33581	9719	1914
16:44	MP25204-MB1	5123	36171	9921	2287
16:48	MP25204-B1	4974	34420	9722	2031
16:52	FA4859-3	4506	30993	9424	1749
16:57	MP25204-D1	4504	31056	9442	1744
17:01	MA10774-CCV10	4801	33460	9499	1869
17:05	MA10774-CCB10	5048	35462	9697	2242
17:10	MP25204-SD1	4787	33159	9518	1969
17:14	MP25204-PS1	4521	31344	9436	1738
17:18	MP25204-S1	4569	31447	9467	1704
17:23	MP25204-S2	4542	31297	9479	1682
17:27	ZZZZZZ	4335	30718	9375	1670
17:32	ZZZZZZ	5113	36354	9894	2274
17:36	ZZZZZZ	4317	30485	9364	1648
17:45	ZZZZZZ	5119	36315	9880	2267
17:49	ZZZZZZ	5148	36285	9925	2273
17:53	MA10774-CCV11	4818	33486	9502	1864
17:58	MA10774-CCB11	5051	35464	9639	2229
18:02	ZZZZZZ	5084	35656	10346	2223
18:06	ZZZZZZ	5076	35874	9913	2198
18:10	ZZZZZZ	5127	36002	10134	2228
18:15	ZZZZZZ	5116	35213	9832	2230
18:19	ZZZZZZ	5118	35608	10113	2206
18:23	ZZZZZZ	5120	35598	9777	2218
18:27	ZZZZZZ	5194	36669	9930	2291
18:32	ZZZZZZ	5186	36712	9970	2294
18:36	ZZZZZZ	5180	36637	9884	2293
18:40	ZZZZZZ	5085	35625	9944	2094
18:45	MA10774-CCV12	4851	33697	9452	1876
18:49	MA10774-CCB12	5088	35612	9613	2242

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10774
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:53	ZZZZZZ	5137	35841	10036	2092
18:57	MA10774-CRIA2	4995	34840	9541	2148
19:01	MA10774-ICSA2	4506	30710	9321	1663
19:06	MA10774-ICSAB2	4499	30849	9351	1632
19:10	MA10774-CCV13	4859	33850	9472	1876
19:14	MA10774-CCB13	5158	36001	9713	2259

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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10774 Units: ug/l

Time:			08:43		09:37		10:29		11:20	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-0.10	<200	1.1	<200	3.7	<200	4.2	<200
Antimony	6.0	1.3	0.40	<6.0	-2.8	<6.0	-2.4	<6.0	-2.8	<6.0
Arsenic	10	1.6	0.30	<10	0.50	<10	0.30	<10	0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	-2.0	<1000	4.7	<1000	3.8	<1000	5.9	<1000
Chromium	10	1.8	0.0	<10	0.10	<10	0.50	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-3.6	<300	1.3	<300	2.5	<300	4.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.5	<5000	12.0	<5000	11.9	<5000	16.0	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	25.7	<10000	-16	<10000	3.9	<10000	-16	<10000
Selenium	10	2	0.10	<10	2.0	<10	1.7	<10	2.0	<10
Silver	10	.5	anr							
Sodium	10000	500	-2.0	<10000	-2.3	<10000	7.7	<10000	-1.8	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10774 Units: ug/l

Time:			12:11		13:01		13:53		14:30	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.0	<200	9.4	<200	7.1	<200	-3.9	<200
Antimony	6.0	1.3	-3.3	<6.0	-2.3	<6.0	-3.1	<6.0	0.90	<6.0
Arsenic	10	1.6	0.70	<10	-0.70	<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	0.10	<5.0
Calcium	1000	50	8.1	<1000	7.8	<1000	7.7	<1000	1.8	<1000
Chromium	10	1.8	0.10	<10	0.20	<10	0.40	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	5.3	<300	5.9	<300	5.9	<300	4.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	3.5	<5000	18.4	<5000	12.0	<5000	-4.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-31	<10000	44.9	<10000	16.2	<10000	4.7	<10000
Selenium	10	2	0.80	<10	1.3	<10	1.6	<10	-0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	11.4	<10000	15.3	<10000	14.6	<10000	-5.0	<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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10774 Units: ug/l

Time:			15:22		16:13		17:05		17:58	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	4.0	<200	3.8	<200	-0.80	<200	8.9	<200
Antimony	6.0	1.3	1.9	<6.0	1.6	<6.0	1.0	<6.0	0.20	<6.0
Arsenic	10	1.6	0.20	<10	0.40	<10	0.60	<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	0.30	<5.0	0.20	<5.0
Calcium	1000	50	7.3	<1000	5.4	<1000	9.9	<1000	9.3	<1000
Chromium	10	1.8	0.30	<10	0.40	<10	0.30	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	10.2	<300	10.7	<300	10.4	<300	11.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	1.5	<5000	2.0	<5000	6.2	<5000	-7.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	3.9	<10000	11.2	<10000	6.5	<10000	8.9	<10000
Selenium	10	2	-0.50	<10	-2.5	<10	-0.30	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	18.4	<10000	27.3	<10000	65.6	<10000	33.0	<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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10774 Units: ug/l

Time:			18:49		19:14	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	3.2	<200	19.0	<200
Antimony	6.0	1.3	0.60	<6.0	0.90	<6.0
Arsenic	10	1.6	0.30	<10	0.30	<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	5.8	<1000	33.8	<1000
Chromium	10	1.8	0.40	<10	0.30	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	12.3	<300	19.3	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	1.2	<5000	6.9	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	-8.2	<10000	2.7	<10000
Selenium	10	2	0.10	<10	-1.6	<10
Silver	10	.5	anr			
Sodium	10000	500	9.6	<10000	5.6	<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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10774 Units: ug/l

Time:		08:37			09:32			10:25	
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	40400	101.0
Antimony	2000	1980	99.0	2000	1900	95.0	2000	1960	98.0
Arsenic	2000	1970	98.5	2000	1920	96.0	2000	1970	98.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Calcium	40000	40300	100.8	40000	40800	102.0	40000	40800	102.0
Chromium	2000	2020	101.0	2000	2020	101.0	2000	2010	100.5
Cobalt									
Copper	anr								
Iron	40000	39500	98.8	40000	38900	97.3	40000	39600	99.0
Lead	anr								
Magnesium	40000	39600	99.0	40000	39300	98.3	40000	39900	99.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39500	98.8	40000	38700	96.8	40000	39000	97.5
Selenium	2000	1980	99.0	2000	1910	95.5	2000	1960	98.0
Silver	anr								
Sodium	40000	40000	100.0	40000	40900	102.3	40000	40600	101.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10774 Units: ug/l

Time:		11:16			12:07			12:57	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40900	102.3	40000	41200	103.0
Antimony	2000	1950	97.5	2000	1910	95.5	2000	1950	97.5
Arsenic	2000	1960	98.0	2000	1930	96.5	2000	1940	97.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Calcium	40000	40800	102.0	40000	41200	103.0	40000	40800	102.0
Chromium	2000	2030	101.5	2000	2090	104.5	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	40000	39600	99.0	40000	39100	97.8	40000	38800	97.0
Lead	anr								
Magnesium	40000	39900	99.8	40000	40000	100.0	40000	39400	98.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39400	98.5	40000	39200	98.0	40000	39500	98.8
Selenium	2000	1960	98.0	2000	1930	96.5	2000	1950	97.5
Silver	anr								
Sodium	40000	40500	101.3	40000	40900	102.3	40000	41200	103.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10774 Units: ug/l

Time:		13:48			14:21			15:18	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	39500	98.8	40000	39600	99.0
Antimony	2000	1910	95.5	2000	1960	98.0	2000	2030	101.5
Arsenic	2000	1910	95.5	2000	1960	98.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	1990	99.5	2000	2010	100.5
Calcium	40000	41000	102.5	40000	39800	99.5	40000	39900	99.8
Chromium	2000	2080	104.0	2000	1970	98.5	2000	1980	99.0
Cobalt									
Copper	anr								
Iron	40000	38600	96.5	40000	39900	99.8	40000	40900	102.3
Lead	anr								
Magnesium	40000	39500	98.8	40000	39600	99.0	40000	40100	100.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39200	98.0	40000	39300	98.3	40000	40300	100.8
Selenium	2000	1910	95.5	2000	1960	98.0	2000	2030	101.5
Silver	anr								
Sodium	40000	40900	102.3	40000	39600	99.0	40000	39500	98.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10774 Units: ug/l

Time:		16:09			17:01			17:53	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	39600	99.0	40000	39500	98.8
Antimony	2000	2060	103.0	2000	2050	102.5	2000	2030	101.5
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2020	101.0	2000	2010	100.5
Calcium	40000	39400	98.5	40000	39800	99.5	40000	39800	99.5
Chromium	2000	1960	98.0	2000	1970	98.5	2000	1970	98.5
Cobalt									
Copper	anr								
Iron	40000	41000	102.5	40000	41100	102.8	40000	40800	102.0
Lead	anr								
Magnesium	40000	39900	99.8	40000	40100	100.3	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40300	100.8	40000	40200	100.5	40000	40000	100.0
Selenium	2000	2040	102.0	2000	2050	102.5	2000	2030	101.5
Silver	anr								
Sodium	40000	39100	97.8	40000	38900	97.3	40000	39400	98.5
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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10774 Units: ug/l

Time:		18:45			19:10	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39200	98.0
Antimony	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	2020	101.0	2000	2010	100.5
Barium	anr					
Beryllium	anr					
Cadmium	2000	2010	100.5	2000	2000	100.0
Calcium	40000	39800	99.5	40000	39600	99.0
Chromium	2000	1960	98.0	2000	1940	97.0
Cobalt						
Copper	anr					
Iron	40000	41000	102.5	40000	40800	102.0
Lead	anr					
Magnesium	40000	40100	100.3	40000	39900	99.8
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	40100	100.3	40000	39800	99.5
Selenium	2000	2020	101.0	2000	2020	101.0
Silver	anr					
Sodium	40000	39500	98.8	40000	39400	98.5
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10774 Units: ug/l

Time:		08:25	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80900	101.1
Antimony	4000	4030	100.8
Arsenic	4000	4040	101.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	4020	100.5
Calcium	80000	80200	100.3
Chromium	4000	4020	100.5
Cobalt			
Copper	anr		
Iron	80000	79600	99.5
Lead	anr		
Magnesium	80000	80400	100.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80800	101.0
Selenium	4000	4030	100.8
Silver	anr		
Sodium	80000	80900	101.1
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10774 Units: ug/l

Time:			08:48		18:57	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	206	103.0	208	104.0
Antimony	10	5.0	3.7	74.0	5.6	112.0
Arsenic	20	10	10.6	106.0	10.9	109.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.1	102.0	5.3	106.0
Calcium	2000	1000	1070	107.0	1060	106.0
Chromium	20	10	10.5	105.0	10.3	103.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	315	105.0	339	113.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5100	102.0	5120	102.4
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9950	99.5	10200	102.0
Selenium	20	10	11.1	111.0	8.5	85.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	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

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

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052313M1.ICP Date Analyzed: 05/23/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10774 Units: ug/l

Time:			09:07		09:22		19:01		19:06	
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	508000	101.6	496000	99.2	493000	98.6
Antimony		1000	-0.40		953	95.3	0.20		1030	103.0
Arsenic		1000	-2.0		985	98.5	0.10		1040	104.0
Barium		500	-0.10		509	101.8	0.0		509	101.8
Beryllium		500	-0.10		502	100.4	0.0		466	93.2
Cadmium		1000	-0.10		904	90.4	-0.50		903	90.3
Calcium	500000	500000	486000	97.2	482000	96.4	468000	93.6	470000	94.0
Chromium		500	0.30		473	94.6	0.30		455	91.0
Cobalt		500	0.30		448	89.6	0.30		447	89.4
Copper		500	-0.10		496	99.2	-0.10		514	102.8
Iron	200000	200000	180000	90.0	180000	90.0	181000	90.5	189000	94.5
Lead		1000	0.10		962	96.2	-0.80		905	90.5
Magnesium	500000	500000	496000	99.2	487000	97.4	495000	99.0	494000	98.8
Manganese		500	-0.10		469	93.8	-0.20		486	97.2
Molybdenum		1000	-0.90		945	94.5	-0.40		908	90.8
Nickel		1000	0.0		845	84.5	-0.10		911	91.1
Potassium			-4.3		-5.9		12.0		-12	
Selenium		1000	0.0		924	92.4	-5.6		981	98.1
Silver		1000	0.10		953	95.3	0.0		965	96.5
Sodium			71.3		99.1		86.7		115	
Strontium		1000	12.5		1040	104.0	11.6		967	96.7
Thallium		1000	-1.3		993	99.3	1.0		905	90.5
Tin		1000	-1.3		885	88.5	0.30		914	91.4
Titanium		1000	-4.2		1010	101.0	-3.4		927	92.7
Vanadium		500	-0.20		461	92.2	-0.50		459	91.8
Zinc		1000	0.40		917	91.7	-0.30		903	90.3

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10776
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:28	MA10776-STD1	1		STDA
09:32	MA10776-STD2	1		STDB
09:35	MA10776-STD3	1		STDC
09:39	MA10776-STD4	1		STDD
09:43	MA10776-HSTD1	1		
09:52	MA10776-ICV1	1		
10:01	MA10776-ICB1	1		
10:05	MA10776-CRIA1	1		
10:13	MA10776-ICSA1	1		
10:22	MA10776-ICSAB1	1		
10:27	MA10776-CCV1	1		
10:32	MA10776-CCB1	1		
10:39	FA4849-1	4		(sample used for QC only; not part of login FA4834)
10:43	MP25195-D1	4		
10:47	MP25195-S1	4		
10:52	MP25195-S2	4		
10:56	MP25195-PS1	4		
11:00	MP25195-SD1	20		
11:05	ZZZZZZ	2		
11:09	ZZZZZZ	4		
11:14	ZZZZZZ	4		
11:18	ZZZZZZ	4		
11:22	MA10776-CCV2	1		
11:26	MA10776-CCB2	1		
11:31	ZZZZZZ	4		
11:35	ZZZZZZ	4		
11:40	ZZZZZZ	4		
11:44	ZZZZZZ	2		
11:49	ZZZZZZ	2		
11:53	ZZZZZZ	2		
11:57	ZZZZZZ	2		
12:02	ZZZZZZ	2		
12:06	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10776
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:10	ZZZZZZ	5		
12:15	MA10776-CCV3	1		
12:19	MA10776-CCB3	1		
12:23	ZZZZZZ	5		
12:28	ZZZZZZ	10		
12:32	ZZZZZZ	5		
12:37	ZZZZZZ	5		
13:13	MA10776-CCV4	1		
13:20	MA10776-CCB4	1		
13:47	MA10776-CCV5	1		
13:54	MA10776-CCB5	1		
14:26	ZZZZZZ	10		
14:30	ZZZZZZ	5		
14:35	ZZZZZZ	5		
14:40	ZZZZZZ	5		
14:44	MA10776-CCV6	1		
14:48	MA10776-CCB6	1		
14:53	ZZZZZZ	5		
14:57	ZZZZZZ	4		
15:02	ZZZZZZ	10		
15:11	MP25196-MB1	1		
15:15	ZZZZZZ	5		
15:20	FA4834-1	10		
15:24	FA4834-2	10		
---------->	Last reportable sample/prep for job FA4834			
15:29	MP25211-MB1	1		
15:33	MP25211-B1	1		
15:38	MA10776-CCV7	1		
15:42	MA10776-CCB7	1		
15:46	FA4919-1	1		(sample used for QC only; not part of login FA4834)
15:51	MP25211-D1	1		
15:55	MP25211-SD1	5		
16:00	MP25211-PS1	1		
16:04	MP25211-S1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10776
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:09	MP25211-S2	1		
16:13	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:31	MA10776-CCV8	1		
16:35	MA10776-CCB8	1		
16:40	ZZZZZZ	1		
16:44	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:53	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:07	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:25	MA10776-CCV9	1		
17:29	MA10776-CCB9	1		
17:34	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:43	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:52	ZZZZZZ	1		
17:57	MP25211-MB2A	1		
18:01	MP25214-MB1	1		
18:06	MP25214-B1	1		
18:10	FA4956-2	1		(sample used for QC only; not part of login FA4834)
18:14	MP25214-D1	1		
18:19	MA10776-CCV10	1		
18:23	MA10776-CCB10	1		
18:28	MP25214-SD1	5		
18:32	MP25214-PS1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10776
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:36	MP25214-S1	1		
18:41	MP25214-S2	1		
18:45	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:54	MA10776-CRIA2	1		
18:58	MA10776-ICSA2	1		
19:03	MA10776-ICSAB2	1		
19:08	MA10776-CCV11	1		
19:12	MA10776-CCB11	1		

----------> Last reportable CCB for job FA4834
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10776
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:28	MA10776-STD1	1712	22062	9075	1198
09:32	MA10776-STD2	1675	21875	9053	1131
09:35	MA10776-STD3	1630	21528	8929	1038
09:39	MA10776-STD4	1599	21364	8806	974
09:43	MA10776-HSTD1	1570	20941	8707	955
09:52	MA10776-ICV1	1633	21269	8836	1034
10:01	MA10776-ICB1	1721 R	21941 R	9017 R	1188 R
10:05	MA10776-CRIA1	1702	21824	8976	1157
10:13	MA10776-ICSA1	1496	19754	8285	885
10:22	MA10776-ICSAB1	1480	19546	8224	876
10:27	MA10776-CCV1	1613	21203	8744	1029
10:32	MA10776-CCB1	1689	21785	8906	1182
10:39	FA4849-1	1797	23406	9559	1096
10:43	MP25195-D1	1792	23256	9534	1097
10:47	MP25195-S1	1789	23407	9525	1072
10:52	MP25195-S2	1825	23742	9695	1072
10:56	MP25195-PS1	1791	23318	9508	1092
11:00	MP25195-SD1	1742	22329	9066	1169
11:05	ZZZZZZ	1913	25003	10188	1047
11:09	ZZZZZZ	1807	23409	9574	1129
11:14	ZZZZZZ	1826	23814	9672	1085
11:18	ZZZZZZ	1776	23112	9431	1100
11:22	MA10776-CCV2	1618	21213	8739	1030
11:26	MA10776-CCB2	1703	21790	8937	1191
11:31	ZZZZZZ	1793	23232	9492	1077
11:35	ZZZZZZ	1804	23418	9536	1109
11:40	ZZZZZZ	1769	22987	9396	1116
11:44	ZZZZZZ	1869	24365	9846	1063
11:49	ZZZZZZ	1863	24236	9843	1041
11:53	ZZZZZZ	1819	23833	9648	1034
11:57	ZZZZZZ	1916	24930	10068	1051
12:02	ZZZZZZ	1886	24738	10017	1000
12:06	ZZZZZZ	1781	23051	9290	1116

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10776
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:10	ZZZZZZ	1778	23069	9337	1106
12:15	MA10776-CCV3	1624	21339	8735	1029
12:19	MA10776-CCB3	1716	21948	8892	1191
12:23	ZZZZZZ	1783	23117	9284	1108
12:28	ZZZZZZ	1758	22663	9155	1147
12:32	ZZZZZZ	1630	21370	8753	1102
12:37	ZZZZZZ	1624	21189	8657	1066
13:13	MA10776-CCV4	1588	20939	8557	1013
13:20	MA10776-CCB4	1691	21684	8875	1182
13:47	MA10776-CCV5	1599	21133	8633	1018
13:54	MA10776-CCB5	1699	21808	8894	1186
14:26	ZZZZZZ	1615	21181	8839	1036
14:30	ZZZZZZ	1592	21035	8673	982
14:35	ZZZZZZ	1630	21552	9096	932
14:40	ZZZZZZ	1762	23242	9414	1099
14:44	MA10776-CCV6	1610	21130	8634	1023
14:48	MA10776-CCB6	1689	21718	8811	1179
14:53	ZZZZZZ	1723	23135	9355	1059
14:57	ZZZZZZ	1871	24275	9860	1110
15:02	ZZZZZZ	1660	22035	8964	1121
15:11	MP25196-MB1	1666	21779	9096	1171
15:15	ZZZZZZ	1594	20883	8617	1054
15:20	FA4834-1	1616	21149	8652	1096
15:24	FA4834-2	1606	21109	8641	1081
15:29	MP25211-MB1	1651	21551	8782	1161
15:33	MP25211-B1	1594	21033	8592	1055
15:38	MA10776-CCV7	1577	20944	8527	1008
15:42	MA10776-CCB7	1651	21491	8707	1156
15:46	FA4919-1	1534	20469	8448	1030
15:51	MP25211-D1	1515	20443	8405	1016
15:55	MP25211-SD1	1609	21138	8626	1114
16:00	MP25211-PS1	1526	20439	8434	1014
16:04	MP25211-S1	1524	20404	8371	972

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10776
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:09	MP25211-S2	1535	20478	8408	976
16:13	ZZZZZZ	1582	21049	8602	1090
16:18	ZZZZZZ	1577	20916	8542	1077
16:22	ZZZZZZ	1608	21601	8654	1115
16:27	ZZZZZZ	1634	21366	8721	1140
16:31	MA10776-CCV8	1555	20715	8471	991
16:35	MA10776-CCB8	1634	21218	8599	1141
16:40	ZZZZZZ	1548	20576	8401	1045
16:44	ZZZZZZ	1526	20416	8390	1023
16:49	ZZZZZZ	1566	20741	8457	1083
16:53	ZZZZZZ	1473	19902	8185	973
16:58	ZZZZZZ	1587	20978	8517	1111
17:03	ZZZZZZ	1558	20694	8432	1065
17:07	ZZZZZZ	1551	20461	8405	1065
17:12	ZZZZZZ	1578	20762	8463	1094
17:16	ZZZZZZ	1586	20857	8493	1102
17:21	ZZZZZZ	1583	20917	8467	1104
17:25	MA10776-CCV9	1517	20121	8213	968
17:29	MA10776-CCB9	1591	20731	8451	1113
17:34	ZZZZZZ	1573	20856	8477	1100
17:38	ZZZZZZ	1509	20081	8266	1019
17:43	ZZZZZZ	1529	20212	8284	1029
17:47	ZZZZZZ	1501	20116	8201	997
17:52	ZZZZZZ	1523	20236	8280	1027
17:57	MP25211-MB2A	1607	21015	8505	1124
18:01	MP25214-MB1	1623	21164	8599	1143
18:06	MP25214-B1	1562	20424	8352	1017
18:10	FA4956-2	1497	20483	8424	1039
18:14	MP25214-D1	1492	20278	8316	1041
18:19	MA10776-CCV10	1511	19985	8116	956
18:23	MA10776-CCB10	1602	20662	8342	1108
18:28	MP25214-SD1	1595	20791	8344	1098
18:32	MP25214-PS1	1531	20589	8416	1028

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10776
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:36	MP25214-S1	1512	20355	8343	990
18:41	MP25214-S2	1501	21367	8389	987
18:45	ZZZZZZ	1578	20830	8505	1095
18:49	ZZZZZZ	1565	20753	8446	1083
18:54	MA10776-CRIA2	1599	20693	8336	1084
18:58	MA10776-ICSA2	1427	18998	7779	839
19:03	MA10776-ICSAB2	1432	19090	7798	838
19:08	MA10776-CCV11	1558	20444	8246	976
19:12	MA10776-CCB11	1639	20997	8392	1124

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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10776 Units: ug/l

Time:			10:01		10:32		11:26		12:19	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	-3.4	<10000	-2.4	<10000	-3.6	<10000	-7.0	<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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10776 Units: ug/l

Time:			13:20		13:54		14:48		15:42	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	-8.6	<10000	11.0	<10000	1.3	<10000	4.3	<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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10776 Units: ug/l

Time:			16:35		17:29		18:23		19:12	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	111	<10000	121	<10000	123	<10000	3.2	<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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10776 Units: ug/l

Time:		09:52			10:27			11:22	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	41800	104.5	40000	39600	99.0	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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10776 Units: ug/l

Time:		12:15			13:13			13:47	
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									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40600	101.5	40000	42100	105.3	40000	40100	100.3
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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10776 Units: ug/l

Time:		14:44			15:38			16:31	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	39600	99.0	40000	40800	102.0	40000	41500	103.8
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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10776 Units: ug/l

Time:		17:25			18:19			19:08	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	42700	106.8	40000	43200	108.0	40000	41900	104.8
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10776 Units: ug/l

Time:		09:43	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	80000	82000	102.5
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10776 Units: ug/l

Time:			10:05		18:54	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	9770	97.7	10600	106.0
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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052413M1.ICP Date Analyzed: 05/24/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10776 Units: ug/l

Time:			10:13		10:22		18:58		19:03	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	531000	106.2	528000	105.6	550000	110.0	553000	110.6
Antimony		1000	-1.1		1030	103.0	0.50		1050	105.0
Arsenic		1000	0.0		1050	105.0	2.0		1070	107.0
Barium		500	0.20		525	105.0	0.30		539	107.8
Beryllium		500	0.0		507	101.4	0.0		517	103.4
Cadmium		1000	0.10		925	92.5	0.30		941	94.1
Calcium	500000	500000	509000	101.8	514000	102.8	519000	103.8	522000	104.4
Chromium		500	0.30		475	95.0	0.30		481	96.2
Cobalt		500	-0.80		459	91.8	-0.80		470	94.0
Copper		500	0.0		547	109.4	0.20		549	109.8
Iron	200000	200000	188000	94.0	198000	99.0	194000	97.0	202000	101.0
Lead		1000	-0.10		953	95.3	1.5		971	97.1
Magnesium	500000	500000	526000	105.2	530000	106.0	539000	107.8	537000	107.4
Manganese		500	0.0		491	98.2	0.10		494	98.8
Molybdenum		1000	0.10		948	94.8	0.30		976	97.6
Nickel		1000	0.0		907	90.7	0.40		918	91.8
Potassium			24.9		-1.8		-10		-15	
Selenium		1000	0.10		978	97.8	-5.3		1010	101.0
Silver		1000	0.40		989	98.9	0.20		988	98.8
Sodium			82.3		105		88.2		117	
Strontium		1000	12.1		1040	104.0	12.7		1060	106.0
Thallium		1000	0.0		932	93.2	1.9		959	95.9
Tin		1000	1.3		927	92.7	2.3		939	93.9
Titanium		1000	-2.7		988	98.8	-2.2		998	99.8
Vanadium		500	0.80		483	96.6	0.70		484	96.8
Zinc		1000	-3.4		929	92.9	-4.4		936	93.6

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10780
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:06	MA10780-STD1	1		STDA
09:10	MA10780-STD2	1		STDB
09:13	MA10780-STD3	1		STDC
09:17	MA10780-STD4	1		STDD
09:21	MA10780-HSTD1	1		
09:25	MA10780-ICV1	1		
09:30	MA10780-ICB1	1		
09:36	MA10780-CRIA1	1		
09:43	MA10780-ICSA1	1		
09:49	MA10780-ICSAB1	1		
09:52	MA10780-CCV1	1		
09:57	MA10780-CCB1	1		
10:01	MP25208-MB1	1		
10:05	MP25208-B1	1		
10:09	FA4880-1	1		(sample used for QC only; not part of login FA4834)
10:14	MP25208-D1	1		
10:18	MP25208-SD1	5		
10:22	MP25208-S1	1		
10:26	MP25208-S2	1		
10:30	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:39	ZZZZZZ	10		
10:43	MA10780-CCV2	1		
10:47	MA10780-CCB2	1		
10:56	ZZZZZZ	20		
11:00	ZZZZZZ	20		
11:04	ZZZZZZ	5		
11:08	FA4876-1	10		(sample used for QC only; not part of login FA4834)
11:12	MP25209-D1	10		
11:17	MP25209-S1	10		
11:21	MP25209-S2	10		
11:25	MP25209-PS1	10		
11:29	MP25209-SD1	50		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10780
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:33	MP25212-D1	1		
11:37	MA10780-CCV3	1		
11:41	MA10780-CCB3	1		
12:27	MA10780-CCV4	1		
12:31	MA10780-CCB4	1		
13:02	MP25221-MB1	1		
13:06	MP25221-B1	1		
13:10	FA4954-1	1		(sample used for QC only; not part of login FA4834)
13:14	MP25221-D1	1		
13:19	MA10780-CCV5	1		
13:23	MA10780-CCB5	1		
13:27	MP25221-SD1	5		
13:31	MP25221-PS1	1		
13:35	MP25221-S1	1		
13:39	MP25221-S2	1		
13:43	ZZZZZZ	1		
13:47	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:56	ZZZZZZ	1		
14:00	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:08	MA10780-CCV6	1		
14:12	MA10780-CCB6	1		
14:17	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:29	ZZZZZZ	1		
14:34	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:47	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:55	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10780
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	14:59	MA10780-CCV7	1		
	15:03	MA10780-CCB7	1		
	15:07	ZZZZZZ	1		
	15:12	FA4834-4	1		
---------->	Last reportable sample/prep for job FA4834				
	15:16	ZZZZZZ	1		
	15:20	MA10780-CRIA2	1		
	15:24	MA10780-ICSA2	1		
	15:29	MA10780-ICSAB2	1		
	15:33	MA10780-CCV8	1		
	15:37	MA10780-CCB8	1		
---------->	Last reportable CCB for job FA4834				

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10780
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:06	MA10780-STD1	6513	39532	7546	2729
09:10	MA10780-STD2	6352	38274	7553	2529
09:13	MA10780-STD3	6094	37087	7469	2272
09:17	MA10780-STD4	5879	36365	7439	2086
09:21	MA10780-HSTD1	5823	35881	7413	2068
09:25	MA10780-ICV1	6047	36921	7445	2265
09:30	MA10780-ICB1	6475 R	39542 R	7711 R	2728 R
09:36	MA10780-CRIA1	6325	38271	7571	2601
09:43	MA10780-ICSA1	5533	32864	7254	1981
09:49	MA10780-ICSAB1	5518	33000	7204	1938
09:52	MA10780-CCV1	6096	37017	7526	2267
09:57	MA10780-CCB1	6485	39114	7603	2720
10:01	MP25208-MB1	6407	38701	7540	2682
10:05	MP25208-B1	6220	37243	7526	2388
10:09	FA4880-1	6063	36253	7454	2312
10:14	MP25208-D1	6026	35899	7434	2279
10:18	MP25208-SD1	6315	37823	7543	2518
10:22	MP25208-S1	5979	35600	7403	2187
10:26	MP25208-S2	6058	36142	7489	2218
10:30	ZZZZZZ	6184	37882	7606	2399
10:35	ZZZZZZ	6235	37302	7529	2407
10:39	ZZZZZZ	6651	39692	7870	2574
10:43	MA10780-CCV2	6182	36976	7517	2273
10:47	MA10780-CCB2	6521	39064	7570	2719
10:56	ZZZZZZ	6584	39571	7702	2612
11:00	ZZZZZZ	6542	39203	7751	2630
11:04	ZZZZZZ	6253	37617	7578	2481
11:08	FA4876-1	6265	38367	7701	2454
11:12	MP25209-D1	6208	37869	7624	2429
11:17	MP25209-S1	6228	38135	7673	2409
11:21	MP25209-S2	6257	38262	7744	2416
11:25	MP25209-PS1	No results reported for the elements associated with this internal standard.			
11:29	MP25209-SD1	6412	38526	7672	2637

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10780
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:33	MP25212-D1	6136	36505	7600	2383
11:37	MA10780-CCV3	6188	37228	7601	2285
11:41	MA10780-CCB3	6515	39031	7618	2716
12:27	MA10780-CCV4	6197	37171	7581	2272
12:31	MA10780-CCB4	6473	38720	7598	2679
13:02	MP25221-MB1	6469	39005	7670	2670
13:06	MP25221-B1	6249	37505	7598	2380
13:10	FA4954-1	6282	37990	7670	2534
13:14	MP25221-D1	6275	37948	7632	2525
13:19	MA10780-CCV5	6189	37106	7579	2249
13:23	MA10780-CCB5	6451	38690	7529	2674
13:27	MP25221-SD1	6358	38699	7685	2644
13:31	MP25221-PS1	6209	37652	7762	2480
13:35	MP25221-S1	6095	36953	7705	2341
13:39	MP25221-S2	6073	36775	7721	2331
13:43	ZZZZZZ	5949	36570	7655	2374
13:47	ZZZZZZ	6242	38051	7849	2593
13:52	ZZZZZZ	6181	37776	7868	2554
13:56	ZZZZZZ	6101	37347	7810	2474
14:00	ZZZZZZ	6053	37358	7766	2496
14:04	ZZZZZZ	6161	38007	7868	2548
14:08	MA10780-CCV6	5995	36720	7668	2264
14:12	MA10780-CCB6	6325	38589	7787	2704
14:17	ZZZZZZ	6084	37257	7834	2470
14:21	ZZZZZZ	6090	37208	7901	2387
14:25	ZZZZZZ	9007 !	54524 !	12319 !	2003
14:29	ZZZZZZ	5797	34978	7744	2149
14:34	ZZZZZZ	6201	38150	7852	2590
14:38	ZZZZZZ	6087	37664	7850	2530
14:42	ZZZZZZ	6033	37123	7756	2424
14:47	ZZZZZZ	6170	37765	7836	2486
14:51	ZZZZZZ	6090	37531	7785	2532
14:55	ZZZZZZ	6128	37715	7808	2508

INTERNAL STANDARD SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10780
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:59	MA10780-CCV7	6011	36773	7625	2280
15:03	MA10780-CCB7	6331	38551	7749	2712
15:07	ZZZZZZ	5975	36952	7759	2398
15:12	FA4834-4	5564	34752	7509	2179
15:16	ZZZZZZ	6320	38920	7932	2698
15:20	MA10780-CRIA2	6238	38173	7767	2616
15:24	MA10780-ICSA2	5500	32950	7449	2010
15:29	MA10780-ICSAB2	5450	32943	7472	1973
15:33	MA10780-CCV8	6005	36700	7643	2290
15:37	MA10780-CCB8	6373	39036	7819	2743

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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10780 Units: ug/l

Time:			09:30		09:57		10:47		11:41	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-2.0	<200	3.5	<200	4.2	<200	-8.8	<200
Antimony	6.0	1.3	1.4	<6.0	-0.30	<6.0	-0.30	<6.0	-0.10	<6.0
Arsenic	10	1.6	0.70	<10	-0.10	<10	0.20	<10	-0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	-3.7	<1000	-4.4	<1000	-7.2	<1000	-12	<1000
Chromium	10	1.8	-0.10	<10	0.0	<10	0.0	<10	-0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	0.10	<300	8.0	<300	3.0	<300	3.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-1.7	<5000	6.4	<5000	-2.0	<5000	-4.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	66.6	<10000	-9.5	<10000	-50	<10000	-14	<10000
Selenium	10	2	0.40	<10	-0.40	<10	0.60	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	17.8	<10000	8.2	<10000	48.5	<10000	51.1	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10780 Units: ug/l

Time:			12:31		13:23		14:12		15:03	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.4	<200	-7.2	<200	-4.1	<200	-4.6	<200
Antimony	6.0	1.3	-0.40	<6.0	0.20	<6.0	0.30	<6.0	-0.20	<6.0
Arsenic	10	1.6	0.0	<10	0.50	<10	0.40	<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	0.10	<5.0
Calcium	1000	50	-10	<1000	-10	<1000	5.8	<1000	-4.1	<1000
Chromium	10	1.8	0.0	<10	-0.10	<10	-0.10	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	4.6	<300	1.3	<300	1.5	<300	6.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-1.1	<5000	-0.30	<5000	-16	<5000	-6.4	<5000
Manganese	15	.7								
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	10.3	<10000	-35	<10000	-40	<10000	73.1	<10000
Selenium	10	2	1.0	<10	-0.30	<10	-0.30	<10	-1.5	<10
Silver	10	.5	anr							
Sodium	10000	500	75.0	<10000	90.8	<10000	52.6	<10000	65.7	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10780 Units: ug/l

Time:			15:37	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	15	5.3	<200
Antimony	6.0	1.3	0.40	<6.0
Arsenic	10	1.6	0.0	<10
Barium	200	1	anr	
Beryllium	4.0	.5	anr	
Cadmium	5.0	.5	0.0	<5.0
Calcium	1000	50	3.5	<1000
Chromium	10	1.8	0.10	<10
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	10.4	<300
Lead	5.0	1.1	anr	
Magnesium	5000	74	8.8	<5000
Manganese	15	.7		
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200	34.3	<10000
Selenium	10	2	-1.0	<10
Silver	10	.5	anr	
Sodium	10000	500	32.5	<10000
Strontium	10	.5		
Thallium	10	1.3	anr	
Tin	50	.7		
Titanium	10	.9		
Vanadium	50	.5	anr	
Zinc	20	3	anr	

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10780 Units: ug/l

Time:		09:25			09:52			10:43	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41200	103.0	40000	39900	99.8	40000	40100	100.3
Antimony	2000	2030	101.5	2000	1960	98.0	2000	1920	96.0
Arsenic	2000	2030	101.5	2000	1970	98.5	2000	1930	96.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2020	101.0	2000	2010	100.5
Calcium	40000	42000	105.0	40000	40200	100.5	40000	40400	101.0
Chromium	2000	2060	103.0	2000	2030	101.5	2000	2060	103.0
Cobalt	anr								
Copper	anr								
Iron	40000	41700	104.3	40000	40700	101.8	40000	41600	104.0
Lead	anr								
Magnesium	40000	40300	100.8	40000	39700	99.3	40000	39400	98.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41800	104.5	40000	39300	98.3	40000	38900	97.3
Selenium	2000	2050	102.5	2000	1970	98.5	2000	1930	96.5
Silver	anr								
Sodium	40000	41700	104.3	40000	40000	100.0	40000	40000	100.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10780 Units: ug/l

Time:		11:37			12:27			13:19	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	39900	99.8	40000	40300	100.8
Antimony	2000	1930	96.5	2000	1900	95.0	2000	1890	94.5
Arsenic	2000	1930	96.5	2000	1910	95.5	2000	1910	95.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2010	100.5	2000	2020	101.0
Calcium	40000	40200	100.5	40000	40200	100.5	40000	40500	101.3
Chromium	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Cobalt									
Copper	anr								
Iron	40000	41200	103.0	40000	41700	104.3	40000	42700	106.8
Lead	anr								
Magnesium	40000	39100	97.8	40000	38800	97.0	40000	38500	96.3
Manganese									
Molybdenum									
Nickel	anr								
Potassium	40000	38700	96.8	40000	38300	95.8	40000	38200	95.5
Selenium	2000	1940	97.0	2000	1910	95.5	2000	1910	95.5
Silver	anr								
Sodium	40000	39800	99.5	40000	39600	99.0	40000	40400	101.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10780 Units: ug/l

Time:		14:08			14:59			15:33	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40300	100.8	40000	40100	100.3
Antimony	2000	2050	102.5	2000	2060	103.0	2000	2080	104.0
Arsenic	2000	2020	101.0	2000	2040	102.0	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40300	100.8	40000	40300	100.8	40000	40200	100.5
Chromium	2000	2060	103.0	2000	2060	103.0	2000	2070	103.5
Cobalt									
Copper	anr								
Iron	40000	40300	100.8	40000	40100	100.3	40000	39600	99.0
Lead	anr								
Magnesium	40000	39800	99.5	40000	40100	100.3	40000	40200	100.5
Manganese									
Molybdenum									
Nickel	anr								
Potassium	40000	40100	100.3	40000	40400	101.0	40000	40500	101.3
Selenium	2000	2040	102.0	2000	2060	103.0	2000	2070	103.5
Silver	anr								
Sodium	40000	40400	101.0	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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10780 Units: ug/l

Time:		09:21	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80000	100.0
Antimony	4000	4080	102.0
Arsenic	4000	4080	102.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	4030	100.8
Calcium	80000	79700	99.6
Chromium	4000	4020	100.5
Cobalt	anr		
Copper	anr		
Iron	80000	80200	100.3
Lead	anr		
Magnesium	80000	79700	99.6
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	80500	100.6
Selenium	4000	4080	102.0
Silver	anr		
Sodium	80000	80100	100.1
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10780 Units: ug/l

Time:			09:36		15:20	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	202	101.0	201	100.5
Antimony	10	5.0	6.0	120.0	5.7	114.0
Arsenic	20	10	9.8	98.0	9.8	98.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.1	102.0	5.2	104.0
Calcium	2000	1000	1030	103.0	1050	105.0
Chromium	20	10	10.3	103.0	10.4	104.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	315	105.0	309	103.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5050	101.0	5070	101.4
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	9860	98.6	10000	100.0
Selenium	20	10	10.5	105.0	9.3	93.0
Silver	20	10	anr			
Sodium	20000	10000	9970	99.7	10100	101.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB052813M1.ICP Date Analyzed: 05/28/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10780 Units: ug/l

Time:			09:43		09:49		15:24		15:29	
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	510000	102.0	503000	100.6	504000	100.8
Antimony		1000	0.0		1010	101.0	-1.2		1050	105.0
Arsenic		1000	-0.10		1030	103.0	-0.70		1070	107.0
Barium		500	0.10		509	101.8	-0.10		506	101.2
Beryllium		500	0.0		487	97.4	-0.20		477	95.4
Cadmium		1000	0.0		925	92.5	0.20		939	93.9
Calcium	500000	500000	476000	95.2	481000	96.2	477000	95.4	477000	95.4
Chromium		500	-0.10		482	96.4	0.20		486	97.2
Cobalt		500	0.40		458	91.6	0.20		465	93.0
Copper		500	0.0		527	105.4	-0.60		545	109.0
Iron	200000	200000	182000	91.0	192000	96.0	177000	88.5	185000	92.5
Lead		1000	-0.10		945	94.5	-1.3		927	92.7
Magnesium	500000	500000	487000	97.4	486000	97.2	485000	97.0	485000	97.0
Manganese		500	0.10		489	97.8	-0.50		495	99.0
Molybdenum		1000	-0.30		949	94.9	-0.40		958	95.8
Nickel		1000	0.0		902	90.2	0.10		942	94.2
Potassium			42.7		46.7		211		161	
Selenium		1000	0.0		979	97.9	-3.7		1020	102.0
Silver		1000	0.40		983	98.3	-0.10		996	99.6
Sodium			114		150		212		214	
Strontium		1000	11.7		1010	101.0	11.4		995	99.5
Thallium		1000	-0.90		960	96.0	0.60		928	92.8
Tin		1000	-0.40		921	92.1	-1.2		944	94.4
Titanium		1000	-4.9		994	99.4	-4.9		980	98.0
Vanadium		500	0.0		479	95.8	-0.10		491	98.2
Zinc		1000	2.4		934	93.4	-0.40		938	93.8

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25198
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/23/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	1.9	<200
Antimony	6.0	1.3	1.3	-3.8	<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	-0.20	<5.0
Calcium	1000	50	50	28.3	<1000
Chromium	10	1.8	2	0.0	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-3.1	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	14.9	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-11	<10000
Selenium	10	2	2	2.5	<10
Silver	10	.5	.5		
Sodium	10000	500	500	16.2	<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 MP25198: FA4834-1, FA4834-2, FA4834-3

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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25198
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:	05/23/13						05/23/13		
Metal	FA4810-13 Original	DUP	RPD	QC Limits	FA4810-13 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	485	595	20.4 (a)	0-20	485	28700	27000	104.5	80-120
Antimony	0.0	0.0	NC	0-20	0.0	495	500	99.0	80-120
Arsenic	146	146	0.0	0-20	146	2130	2000	99.2	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	49.2	50	98.4	80-120
Calcium	109000	110000	0.9	0-20	109000	133000	25000	96.0	80-120
Chromium	0.0	1.9	200.0(a)	0-20	0.0	210	200	105.0	80-120
Cobalt									
Copper	anr								
Iron	11600	11800	1.7	0-20	11600	36900	26000	97.3	80-120
Lead	anr								
Magnesium	60200	60500	0.5	0-20	60200	84500	25000	97.2	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	1010	1030	2.0	0-20	1010	26400	25000	101.6	80-120
Selenium	3.0	0.0	200.0(a)	0-20	3.0	1980	2000	98.9	80-120
Silver	anr								
Sodium	86500	86700	0.2	0-20	86500	111000	25000	98.0	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP25198: FA4834-1, FA4834-2, FA4834-3

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
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25198
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/23/13

Metal	FA4810-13 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	485	29700	27000	108.2	3.4	20
Antimony	0.0	507	500	101.4	2.4	20
Arsenic	146	2180	2000	101.7	2.3	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	50.8	50	101.6	3.2	20
Calcium	109000	132000	25000	92.0	0.8	20
Chromium	0.0	219	200	109.5	4.2	20
Cobalt						
Copper	anr					
Iron	11600	37400	26000	99.2	1.3	20
Lead	anr					
Magnesium	60200	83800	25000	94.4	0.8	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	1010	27300	25000	105.2	3.4	20
Selenium	3.0	2030	2000	101.4	2.5	20
Silver	anr					
Sodium	86500	111000	25000	98.0	0.0	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP25198: FA4834-1, FA4834-2, FA4834-3

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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25198
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/23/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28600	27000	105.9	80-120
Antimony	493	500	98.6	80-120
Arsenic	1980	2000	99.0	80-120
Barium	anr			
Beryllium	anr			
Cadmium	52.1	50	104.2	80-120
Calcium	26800	25000	107.2	80-120
Chromium	217	200	108.5	80-120
Cobalt				
Copper	anr			
Iron	26600	26000	102.3	80-120
Lead	anr			
Magnesium	25400	25000	101.6	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	25400	25000	101.6	80-120
Selenium	1970	2000	98.5	80-120
Silver	anr			
Sodium	26500	25000	106.0	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25198: FA4834-1, FA4834-2, FA4834-3

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25198
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/23/13

Metal	FA4810-13 Original	SDL 1:5	%DIF	QC Limits
Aluminum	485	506	4.3	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	146	148	1.6	0-10
Barium	anr			
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	109000	116000	6.0	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	11600	12400	6.5	0-10
Lead	anr			
Magnesium	60200	63400	5.4	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	1010	0.00	100.0(a)	0-10
Selenium	3.00	0.00	100.0(a)	0-10
Silver	anr			
Sodium	86500	88500	2.3	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25198: FA4834-1, FA4834-2, FA4834-3

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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25198
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/23/13

Metal	Sample ml	Final ml	FA4810-13 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	485.1	475.398	2999	0.2	125	2500	100.9	80-120
Antimony	9.8	10	0	0	95.5	0.2	5	100	95.5	80-120
Arsenic	9.8	10	145.6	142.688	242.5	0.2	5	100	99.8	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	50.1	0.2	2.5	50	100.2	80-120
Calcium	9.8	10	109300	107114	111800	0.2	250	5000	93.7	80-120
Chromium	9.8	10	0	0	54.3	0.2	2.5	50	108.6	80-120
Cobalt										
Copper										
Iron	9.8	10	11640	11407.2	14210	0.2	150	3000	93.4	80-120
Lead										
Magnesium	9.8	10	60150	58947	63520	0.2	250	5000	91.5	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	1005	984.9	11030	0.2	500	10000	100.5	80-120
Selenium	9.8	10	3	2.94	99.7	0.2	5	100	96.8	80-120
Silver										
Sodium	9.8	10	86500	84770	94130	0.2	500	10000	93.6	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25198: FA4834-1, FA4834-2, FA4834-3

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25221
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	1.9	<200
Antimony	6.0	1.3	1.3	-1.0	<6.0
Arsenic	10	1.6	2.5	-0.80	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	13.6	<1000
Chromium	10	1.8	2	-0.20	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-4.5	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	3.6	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	56.1	<10000
Selenium	10	2	2	0.60	<10
Silver	10	.5	.5		
Sodium	10000	500	500	459	<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 MP25221: FA4834-4

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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25221
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			05/28/13					05/28/13	
Metal	FA4954-1 Original	DUP	RPD	QC Limits	FA4954-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	24.7	29.5	17.7	0-20	24.7	28100	27000	104.0	80-120
Antimony	0.0	0.0	NC	0-20	0.0	522	500	104.4	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2070	2000	103.5	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	52.0	50	104.0	80-120
Calcium	62700	61600	1.8	0-20	62700	86200	25000	94.0	80-120
Chromium	0.0	0.0	NC	0-20	0.0	219	200	109.5	80-120
Cobalt									
Copper	anr								
Iron	68.1	61.7	9.9	0-20	68.1	27800	26000	106.7	80-120
Lead	anr								
Magnesium	2020	1960	3.0	0-20	2020	26800	25000	99.1	80-120
Manganese									
Molybdenum									
Nickel	anr								
Potassium	1170	1140	2.6	0-20	1170	26800	25000	102.5	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2060	2000	103.0	80-120
Silver	anr								
Sodium	3650	3590	1.7	0-20	3650	29500	25000	103.4	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP25221: FA4834-4

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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25221
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/13

Metal	FA4954-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	24.7	28800	27000	106.6	2.5	20
Antimony	0.0	535	500	107.0	2.5	20
Arsenic	0.0	2110	2000	105.5	1.9	20
Barium	anr					
Beryllium						
Cadmium	0.0	53.1	50	106.2	2.1	20
Calcium	62700	86700	25000	96.0	0.6	20
Chromium	0.0	223	200	111.5	1.8	20
Cobalt						
Copper	anr					
Iron	68.1	28300	26000	108.6	1.8	20
Lead	anr					
Magnesium	2020	27500	25000	101.9	2.6	20
Manganese						
Molybdenum						
Nickel	anr					
Potassium	1170	27600	25000	105.7	2.9	20
Selenium	0.0	2110	2000	105.5	2.4	20
Silver	anr					
Sodium	3650	30200	25000	106.2	2.3	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP25221: FA4834-4

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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25221
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28700	27000	106.3	80-120
Antimony	502	500	100.4	80-120
Arsenic	2010	2000	100.5	80-120
Barium	anr			
Beryllium				
Cadmium	53.5	50	107.0	80-120
Calcium	27000	25000	108.0	80-120
Chromium	222	200	111.0	80-120
Cobalt				
Copper	anr			
Iron	29500	26000	113.5	80-120
Lead	anr			
Magnesium	25300	25000	101.2	80-120
Manganese				
Molybdenum				
Nickel	anr			
Potassium	25100	25000	100.4	80-120
Selenium	2000	2000	100.0	80-120
Silver	anr			
Sodium	26100	25000	104.4	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25221: FA4834-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25221
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/13

Metal	FA4954-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	24.7	0.00	100.0(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	62700	60700	3.1	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	68.1	0.00	100.0(a)	0-10
Lead	anr			
Magnesium	2020	1970	2.7	0-10
Manganese				
Molybdenum				
Nickel	anr			
Potassium	1170	1030	11.9 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	3650	3730	2.2	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25221: FA4834-4

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: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25221
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/13

Metal	Sample ml	Final ml	FA4954-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	24.7	24.206	2554	0.2	125	2500	101.2	80-120
Antimony	9.8	10	0	0	101.5	0.2	5	100	101.5	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	62690	61436.2	66670	0.2	250	5000	104.7	80-120
Chromium	9.8	10	0	0	54.9	0.2	2.5	50	109.8	80-120
Cobalt										
Copper										
Iron	9.8	10	68.1	66.738	3265	0.2	150	3000	106.6	80-120
Lead										
Magnesium	9.8	10	2020	1979.6	6920	0.2	250	5000	98.8	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	1165	1141.7	11150	0.2	500	10000	100.1	80-120
Selenium	9.8	10	0	0	100.1	0.2	5	100	100.1	80-120
Silver										
Sodium	9.8	10	3647	3574.06	13860	0.2	500	10000	102.9	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25221: FA4834-4

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

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: FA4834
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	GN55866	5.0	2.3	mg/l	250	264	105.6	90-113%
Alkalinity, Total as CaCO3	GN55895	25	0.0	mg/l	250	263	105.0	90-113%
Chloride	GP21693/GN55869	2.0	0.0	mg/l	50	50.6	101.2	90-110%
Fluoride	GP21799/GN56132	0.20	0.0	mg/l	2.5	2.30	92.0	90-110%
Nitrogen, Nitrate	GP21693/GN55869	0.10	0.0	mg/l	2.5	2.47	98.8	90-110%
Nitrogen, Nitrite	GP21693/GN55869	0.10	0.0	mg/l	2.5	2.46	98.4	90-110%
Phosphate, Ortho	GP21688/GN55852	0.10	0.0	mg/l	0.300	0.30	100.6	83-116%
Phosphorus, Total	GP21762/GN56052	0.10	0.0	mg/l	.300	0.30	98.9	81-118%
Solids, Total Dissolved	GN55929	100	0.0	mg/l				
Specific Conductivity	GN55851	1.0	0.0	umhos/cm				
Sulfate	GP21693/GN55869	2.0	0.0	mg/l	50	48.6	97.2	90-110%

Associated Samples:
Batch GN55851: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GN55866: FA4834-3, FA4834-4
Batch GN55895: FA4834-1, FA4834-2
Batch GN55929: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GP21688: FA4834-1F, FA4834-2F, FA4834-3F, FA4834-4F
Batch GP21693: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GP21762: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GP21799: FA4834-1, FA4834-2, FA4834-3, FA4834-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4834
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	GN55866	FA4834-4	mg/l	379	376	0.8	0-20%
Alkalinity, Total as CaCO3	GN55866	FA4834-3	mg/l	360	380	5.4	0-20%
Alkalinity, Total as CaCO3	GN55895	FA4834-1	mg/l	753	751	0.3	0-20%
Phosphorus, Total	GP21762/GN56052	FA5051-11	mg/l	0.043	0.048	9.6	0-22%
Solids, Total Dissolved	GN55929	FA4875-3	mg/l	499	505	1.2	0-5%
Specific Conductivity	GN55851	FA4834-4	umhos/cm	2050	2040	0.5	0-10%
pH	GN55850	FA4834-4	su	7.16	7.09	1.0	0-10%

Associated Samples:
Batch GN55850: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GN55851: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GN55866: FA4834-3, FA4834-4
Batch GN55895: FA4834-1, FA4834-2
Batch GN55929: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GP21762: FA4834-1, FA4834-2, FA4834-3, FA4834-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4834
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	GN55866	FA4834-3	mg/l	360	250	624	105.6	90-113%
Alkalinity, Total as CaCO3	GN55866	FA4834-4	mg/l	379	250	643	105.6	90-113%
Alkalinity, Total as CaCO3	GN55895	FA4834-1	mg/l	753	250	1000	99.0	90-113%
Chloride	GP21693/GN55869	FA4820-1	mg/l	10.5	50	60.5	100.0	90-110%
Fluoride	GP21799/GN56132	FA4828-1	mg/l	0.49	2.5	3.5	120.4N(a)	90-110%
Nitrogen, Nitrate	GP21693/GN55869	FA4820-1	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Nitrite	GP21693/GN55869	FA4820-1	mg/l	0.050 U	2.5	2.6	104.0	90-110%
Phosphate, Ortho	GP21688/GN55852	FA4834-1F	mg/l	15.6	0.300	46.0	101.4	83-116%
Phosphorus, Total	GP21762/GN56052	FA5051-11	mg/l	0.043	.300	0.30	86.6	81-118%
Sulfate	GP21693/GN55869	FA4820-1	mg/l	1.1	50	48.2	94.2	90-110%

Associated Samples:
Batch GN55866: FA4834-3, FA4834-4
Batch GN55895: FA4834-1, FA4834-2
Batch GP21688: FA4834-1F, FA4834-2F, FA4834-3F, FA4834-4F
Batch GP21693: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GP21762: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GP21799: FA4834-1, FA4834-2, FA4834-3, FA4834-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4834
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	GP21693/GN55869	FA4820-1	mg/l	10.5	50	60.6	0.2	20%
Fluoride	GP21799/GN56132	FA4828-1	mg/l	0.49	2.5	3.7	5.6	20%
Nitrogen, Nitrate	GP21693/GN55869	FA4820-1	mg/l	0.050 U	2.5	2.5	4.1	20%
Nitrogen, Nitrite	GP21693/GN55869	FA4820-1	mg/l	0.050 U	2.5	2.7	3.8	20%
Phosphate, Ortho	GP21688/GN55852	FA4834-2F	mg/l	49.8	0.300	46.2	0.5	26%
Phosphorus, Total	GP21762/GN56052	FA5051-11	mg/l	0.043	.300	0.312	2.9	22%
Sulfate	GP21693/GN55869	FA4820-1	mg/l	1.1	50	48.4	0.4	20%

Associated Samples:
Batch GP21688: FA4834-1F, FA4834-2F, FA4834-3F, FA4834-4F
Batch GP21693: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GP21762: FA4834-1, FA4834-2, FA4834-3, FA4834-4
Batch GP21799: FA4834-1, FA4834-2, FA4834-3, FA4834-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210501.TXT Date Analyzed: 05/21/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55869
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:10	GN55869-CCV1	1		
09:27	GP21693-MB1	1		
09:43	GP21693-B1	1		
10:58	ZZZZZZ	2		
11:15	ZZZZZZ	2		
11:32	FA4820-1	1		(sample used for QC only; not part of login FA4834)
11:49	ZZZZZZ	1		
12:06	FA4661-2	1		(sample used for QC only; not part of login FA4834)
12:23	ZZZZZZ	1		
12:40	GN55869-CCV2	1		
12:57	GN55869-CCB1	1		
13:14	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:48	FA4834-1	25		
14:05	FA4834-2	25		
14:21	FA4834-3	10		
14:38	FA4834-4	10		
14:55	ZZZZZZ	5		
15:12	ZZZZZZ	10		
15:29	ZZZZZZ	1		
15:46	ZZZZZZ	1		
16:03	GN55869-CCV3	1		
16:20	GN55869-CCB2	1		
16:37	ZZZZZZ	1		
16:54	GP21693-S1	1		
17:11	GP21693-S2	1		
17:28	GP21693-S3	1		
17:44	GP21693-S4	1		
18:01	ZZZZZZ	5		
18:18	ZZZZZZ	2		
18:35	ZZZZZZ	2		
18:52	FA4834-3	25		
19:09	FA4834-4	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210501.TXT Date Analyzed: 05/21/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55869
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:26	GN55869-CCV4	1		
19:43	GP21694-MB1	1		
20:00	GP21694-B1	1		
20:51	ZZZZZZ	200		
21:08	ZZZZZZ	1		
21:25	FA4842-6	1		(sample used for QC only; not part of login FA4834)
21:42	ZZZZZZ	5		
21:59	ZZZZZZ	5		
22:16	GN55869-CCV5	1		
22:33	GN55869-CCB3	1		
22:50	GP21694-S1	1		
23:06	GP21694-S2	1		
23:23	ZZZZZZ	5		
23:40	ZZZZZZ	50		
23:57	ZZZZZZ	50		
00:14	ZZZZZZ	10		
00:31	GN55869-CCV6	1		
00:48	GN55869-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210501.TXT Date Analyzed: 05/21/13 Methods: EPA 300/SW846 9056A
Run ID: GN55869 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55869-CCV1	Chloride	50.3	2.0	0.80	50	100.6	90-110
GN55869-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55869-CCV1	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN55869-CCV2	Chloride	50.2	2.0	0.80	50	100.4	90-110
GN55869-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN55869-CCV2	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN55869-CCB1	Chloride	0.80 U	2.0	0.80			
GN55869-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55869-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55869-CCV3	Chloride	50.6	2.0	0.80	50	101.2	90-110
GN55869-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55869-CCV3	Sulfate	51.9	2.0	0.60	50	103.8	90-110
GN55869-CCB2	Chloride	0.80 U	2.0	0.80			
GN55869-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55869-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55869-CCV4	Chloride	50.8	2.0	0.80	50	101.6	90-110
GN55869-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55869-CCV4	Sulfate	52.7	2.0	0.60	50	105.4	90-110
GN55869-CCV5	Chloride	50.9	2.0	0.80	50	101.8	90-110
GN55869-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55869-CCV5	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN55869-CCB3	Chloride	0.80 U	2.0	0.80			
GN55869-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55869-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55869-CCV6	Chloride	51.0	2.0	0.80	50	102.0	90-110
GN55869-CCV6	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55869-CCV6	Sulfate	52.4	2.0	0.60	50	104.8	90-110
GN55869-CCB4	Chloride	0.80 U	2.0	0.80			
GN55869-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55869-CCB4	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213060601.TXT Date Analyzed: 06/06/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56132
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:53	GN56132-CCV1	1		
10:09	GP21799-MB1	1		
10:26	GP21799-B1	1		
11:17	FA4828-1	1		(sample used for QC only; not part of login FA4834)
11:33	ZZZZZZ	1		
11:50	FA4834-1	25		
12:07	FA4834-2	25		
12:24	FA4834-3	10		
12:41	FA4834-4	10		
13:28	GN56132-CCV2	1		
13:45	GN56132-CCB1	1		
14:02	ZZZZZZ	10		
14:18	ZZZZZZ	25		
14:35	ZZZZZZ	1		
14:52	ZZZZZZ	25		
15:09	GP21799-S1	1		
15:26	GP21799-S2	1		
16:28	GN56132-CCV3	1		
16:44	GP21793-MB1	1		
17:05	GP21793-B1	1		
19:37	GN56132-CCV4	1		
19:54	GN56132-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4834
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213060601.TXT Date Analyzed: 06/06/13 Methods: EPA 300/SW846 9056A
Run ID: GN56132 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56132-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN56132-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56132-CCB1	Fluoride	0.060 U	0.20	0.060			
GN56132-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN56132-CCV4	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN56132-CCB2	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

06/10/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA4914

Sampling Dates: 05/21/13 - 05/22/13

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: **79**

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: FA4914

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
FA4914-1	05/21/13	17:10	TP	05/23/13	AQ	Ground Water	A-36-145
FA4914-1F	05/21/13	17:10	TP	05/23/13	AQ	Ground Water	A-36-145
FA4914-2	05/21/13	15:45	TP	05/23/13	AQ	Ground Water	A-35-080
FA4914-2F	05/21/13	15:45	TP	05/23/13	AQ	Ground Water	A-35-080
FA4914-3	05/21/13	17:55	TP	05/23/13	AQ	Equipment Blank	EB05212013
FA4914-3F	05/21/13	17:55	TP	05/23/13	AQ	Equipment Blank	EB05212013
FA4914-4	05/22/13	11:10	TP	05/23/13	AQ	Ground Water	A-36-105
FA4914-4F	05/22/13	11:10	TP	05/23/13	AQ	Ground Water	A-36-105

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA4914

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 6/9/2013 4:46:56 PM

4 Sample(s) were collected on/between 05/21/2013 and 05/22/2013 and were received at Accutest SE on 05/23/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA4914. 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:** MP25224

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) FA4912-2DUP, FA4912-2MS, FA4912-2MSD, FA4912-2PS, FA4912-2SDL 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 Iron, Selenium are outside control limits for sample MP25224-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Aluminum, Antimony, Iron, Potassium, Selenium are outside control limits for sample MP25224-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP25224-PS1 for Sodium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25224-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA4914-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA4914-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA4914-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55894

All method blanks for this batch meet method specific criteria.

Sample(s) FA4900-4DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA4914-1, FA4914-2, FA4914-3, FA4914-4.

FA4914-1, FA4914-2, FA4914-3, FA4914-4 for Specific Conductivity: Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21707

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) FA4907-1MS, FA4907-1MSD were used as the QC samples for Chloride and Nitrogen, Nitrate.

FA4914-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA4914-4 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21799

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) FA4828-1MSD, FA4828-1MS 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.

FA4914-1 for Fluoride: Dilution required due to matrix interference.

FA4914-2 for Fluoride: Dilution required due to matrix interference.

FA4914-4 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21706

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4914-1FDUP, FA4914-1FMS, FA4914-1FMSD were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21770

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) FA5189-1DUP, FA5189-1MS, FA5189-1MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN55892

Sample(s) FA4899-1DUP was used as the QC sample for pH.

FA4914-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA4914-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA4914-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA4914-4 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN56016

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4911-5DUP, FA4911-5MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN56017

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4914-1DUP, FA4914-1MS 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:** GN55947

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4929-4DUP was used as the QC sample for Solids, Total Dissolved.

FA4914-1 for Solids, Total Dissolved: Results confirmed by re-analysis on GN56001.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55976

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4929-6DUP was used as the QC sample for Solids, Total Dissolved.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN55976-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: June 9, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA4914
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/21/13 thru 05/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4914-1	**A-36-145**					
Aluminum		0.0498 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0058 J	0.0060	0.0013	mg/l	SW846 6010C
Calcium		735	4.0	0.20	mg/l	SW846 6010C
Iron		0.615	0.30	0.029	mg/l	SW846 6010C
Magnesium		465	5.0	0.074	mg/l	SW846 6010C
Potassium		11.3	10	0.20	mg/l	SW846 6010C
Sodium		126	40	2.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		619	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		619	25	13	mg/l	SM19 2320B
Chloride		80.1	20	8.0	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]		0.67 J	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		0.11	0.10	0.028	mg/l	EPA 365.3
Solids, Total Dissolved [b]		4990	100	10	mg/l	SM19 2540C
Specific Conductivity [c]		3490	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		2890	100	30	mg/l	EPA 300/SW846 9056A
pH [d]		6.79			su	SM 4500H B/SW 9040C
FA4914-1F	**A-36-145**					
Phosphate, Ortho		0.14	0.10	0.020	mg/l	EPA 365.3
FA4914-2	**A-35-080**					
Aluminum		0.0582 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0055 J	0.0060	0.0013	mg/l	SW846 6010C
Arsenic		0.0113	0.010	0.0025	mg/l	SW846 6010C
Cadmium		0.0011 J	0.0050	0.00050	mg/l	SW846 6010C
Calcium		502	1.0	0.050	mg/l	SW846 6010C
Iron		0.0360 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		327	5.0	0.074	mg/l	SW846 6010C
Potassium		50.9	10	0.20	mg/l	SW846 6010C
Selenium		0.0028 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		217	50	2.5	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		659	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		659	25	13	mg/l	SM19 2320B
Chloride		160	50	20	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		66.8	2.5	1.3	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		145	50	14	mg/l	EPA 365.3
Solids, Total Dissolved		3830	500	50	mg/l	SM19 2540C
Specific Conductivity [c]		4120	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		2040	50	15	mg/l	EPA 300/SW846 9056A
pH [d]		6.38			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA4914
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/21/13 thru 05/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4914-2F	**A-35-080**					
Phosphate, Ortho		27.6	10	1.9	mg/l	EPA 365.3
FA4914-3	**EB05212013**					
Calcium		1.49	1.0	0.050	mg/l	SW846 6010C
Nitrogen, Nitrate		0.18	0.10	0.050	mg/l	EPA 300/SW846 9056A
Solids, Total Dissolved		13.0 J	100	10	mg/l	SM19 2540C
Specific Conductivity [c]		18.7	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		6.2	2.0	0.60	mg/l	EPA 300/SW846 9056A
pH [d]		4.47			su	SM 4500H B/SW 9040C
FA4914-3F	**EB05212013**					
No hits reported in this sample.						
FA4914-4	**A-36-105**					
Aluminum		0.575	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0143	0.0060	0.0013	mg/l	SW846 6010C
Cadmium		0.0081	0.0050	0.00050	mg/l	SW846 6010C
Calcium		501	1.0	0.050	mg/l	SW846 6010C
Chromium		0.0119	0.010	0.0020	mg/l	SW846 6010C
Iron		1.77	0.30	0.029	mg/l	SW846 6010C
Magnesium		584	5.0	0.074	mg/l	SW846 6010C
Potassium		48.3	10	0.20	mg/l	SW846 6010C
Selenium		0.0092 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		217	50	2.5	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		148	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		148	5.0	0.60	mg/l	SM19 2320B
Chloride		88.6	50	20	mg/l	EPA 300/SW846 9056A
Fluoride [a]		2.0 J	5.0	1.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		0.39	0.20	0.056	mg/l	EPA 365.3
Solids, Total Dissolved		5180	500	50	mg/l	SM19 2540C
Specific Conductivity [c]		4070	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		3760	100	30	mg/l	EPA 300/SW846 9056A
pH [d]		6.01			su	SM 4500H B/SW 9040C
FA4914-4F	**A-36-105**					
Phosphate, Ortho		0.38	0.20	0.038	mg/l	EPA 365.3

(a) Dilution required due to matrix interference.
(b) Results confirmed by re-analysis on GN56001.

Summary of Hits

Job Number: FA4914
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/21/13 thru 05/22/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

(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-36-145		
Lab Sample ID:	FA4914-1	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0498 J	0.20	0.015	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0058 J	0.0060	0.0013	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	0.0020 U	0.020	0.0020	mg/l	4	05/29/13	05/30/13	LM	SW846 6010C [2]	SW846 3010A [3]
Calcium	735	4.0	0.20	mg/l	4	05/29/13	05/30/13	LM	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	0.0080 U	0.040	0.0080	mg/l	4	05/29/13	05/30/13	LM	SW846 6010C [2]	SW846 3010A [3]
Iron	0.615	0.30	0.029	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	465	5.0	0.074	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	11.3	10	0.20	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.0080 U	0.040	0.0080	mg/l	4	05/29/13	05/30/13	LM	SW846 6010C [2]	SW846 3010A [3]
Sodium	126	40	2.0	mg/l	4	05/29/13	05/30/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10784
(2) Instrument QC Batch: MA10788
(3) Prep QC Batch: MP25224

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-36-145		
Lab Sample ID:	FA4914-1	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	619	5.0	5.0	mg/l	1	05/31/13 12:06	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/31/13 12:06	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	619	25	13	mg/l	1	05/31/13 12:06	HH	SM19 2320B
Chloride	80.1	20	8.0	mg/l	10	05/23/13 14:14	AA	EPA 300/SW846 9056A
Fluoride [a]	0.60 U	2.0	0.60	mg/l	10	06/06/13 14:02	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	0.67 J	1.0	0.50	mg/l	10	05/23/13 14:14	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.11	0.10	0.028	mg/l	1	06/05/13 07:35	LE	EPA 365.3
Solids, Total Dissolved [b]	4990	100	10	mg/l	1	05/28/13 14:40	KC	SM19 2540C
Specific Conductivity [c]	3490	1.0	1.0	umhos/cm	1	05/23/13	AC	EPA 120.1
Sulfate	2890	100	30	mg/l	50	05/24/13 02:10	AA	EPA 300/SW846 9056A
pH [d]	6.79			su	1	05/23/13 11:15	AC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Results confirmed by re-analysis on GN56001.
(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:	FA4914-1F	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	0.14	0.10	0.020	mg/l	1	05/23/13 14:30	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-35-080		
Lab Sample ID:	FA4914-2	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0582 J	0.20	0.015	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0055 J	0.0060	0.0013	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0113	0.010	0.0025	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.0011 J	0.0050	0.00050	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	502	1.0	0.050	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.0360 J	0.30	0.029	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	327	5.0	0.074	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	50.9	10	0.20	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0028 J	0.010	0.0020	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	217	50	2.5	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10784
(2) Instrument QC Batch: MA10788
(3) Prep QC Batch: MP25224

RL = 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:	FA4914-2	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	659	5.0	5.0	mg/l	1	05/31/13 12:06	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/31/13 12:06	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	659	25	13	mg/l	1	05/31/13 12:06	HH	SM19 2320B
Chloride	160	50	20	mg/l	25	05/23/13 14:31	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	06/06/13 14:18	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	66.8	2.5	1.3	mg/l	25	05/23/13 14:31	AA	EPA 300/SW846 9056A
Phosphorus, Total	145	50	14	mg/l	500	06/05/13 07:35	LE	EPA 365.3
Solids, Total Dissolved	3830	500	50	mg/l	5	05/28/13 14:40	KC	SM19 2540C
Specific Conductivity [b]	4120	1.0	1.0	umhos/cm	1	05/23/13	AC	EPA 120.1
Sulfate	2040	50	15	mg/l	25	05/23/13 14:31	AA	EPA 300/SW846 9056A
pH [c]	6.38			su	1	05/23/13 11:15	AC	SM 4500H B/SW 9040C

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-35-080		
Lab Sample ID:	FA4914-2F	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	27.6	10	1.9	mg/l	100	05/23/13 14:30	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	EB05212013		
Lab Sample ID:	FA4914-3	**Date Sampled:**	05/21/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.015 U	0.20	0.015	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	1.49	1.0	0.050	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.029 U	0.30	0.029	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	0.074 U	5.0	0.074	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	0.20 U	10	0.20	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	0.50 U	10	0.50	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10784
(2) Prep QC Batch: MP25224

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	EB05212013		
Lab Sample ID:	FA4914-3	**Date Sampled:**	05/21/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	05/31/13 09:20	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/31/13 09:20	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	05/31/13 09:20	HH	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	05/23/13 14:48	AA	EPA 300/SW846 9056A
Fluoride	0.060 U	0.20	0.060	mg/l	1	06/06/13 14:35	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	0.18	0.10	0.050	mg/l	1	05/23/13 14:48	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	06/05/13 07:35	LE	EPA 365.3
Solids, Total Dissolved	13.0 J	100	10	mg/l	1	05/28/13 14:40	KC	SM19 2540C
Specific Conductivity [a]	18.7	1.0	1.0	umhos/cm	1	05/23/13	AC	EPA 120.1
Sulfate	6.2	2.0	0.60	mg/l	1	05/23/13 14:48	AA	EPA 300/SW846 9056A
pH [b]	4.47			su	1	05/23/13 11:15	AC	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:	EB05212013		
Lab Sample ID:	FA4914-3F	**Date Sampled:**	05/21/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	0.020 U	0.10	0.020	mg/l	1	05/23/13 14:30	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-36-105		
Lab Sample ID:	FA4914-4	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.575	0.20	0.015	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0143	0.0060	0.0013	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.0081	0.0050	0.00050	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	501	1.0	0.050	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0119	0.010	0.0020	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	1.77	0.30	0.029	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	584	5.0	0.074	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	48.3	10	0.20	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0092 J	0.010	0.0020	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	217	50	2.5	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10784
(2) Instrument QC Batch: MA10788
(3) Prep QC Batch: MP25224

RL = 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:	FA4914-4	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	148	5.0	5.0	mg/l	1	05/31/13 09:20	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/31/13 09:20	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	148	5.0	0.60	mg/l	1	05/31/13 09:20	HH	SM19 2320B
Chloride	88.6	50	20	mg/l	25	05/23/13 15:05	AA	EPA 300/SW846 9056A
Fluoride [a]	2.0 J	5.0	1.5	mg/l	25	06/06/13 14:52	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	1.3 U	2.5	1.3	mg/l	25	05/23/13 15:05	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.39	0.20	0.056	mg/l	2	06/05/13 07:35	LE	EPA 365.3
Solids, Total Dissolved	5180	500	50	mg/l	5	05/29/13 16:20	KC	SM19 2540C
Specific Conductivity [b]	4070	1.0	1.0	umhos/cm	1	05/23/13	AC	EPA 120.1
Sulfate	3760	100	30	mg/l	50	05/24/13 02:27	AA	EPA 300/SW846 9056A
pH [c]	6.01			su	1	05/23/13 11:15	AC	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-36-105		
Lab Sample ID:	FA4914-4F	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	0.38	0.20	0.038	mg/l	2	05/23/13 14:30	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA4914 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-pgmsc.com
Phone#: 571-217-6759
Sampler(s) Name(s) (Printed): TRPattie

Project Information

Project Name: AERIUM
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	Analytical Information	LAB USE ONLY
1	A-36-145	09/21	1710	TRP	GW	4		X			X	X				X	
2	A-35-080	09/21	1545	TRP	GW	4		X			X	X				X	
3	EB052120 13	09/21	1755	TRP	GW	4		X			X	X				X	
4	A-36-105	09/22	1110	TRP	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:
[signature]	09/24/13 1215	2 FX	3 FX	5-23-13	4 J. Cosme (AJR) 10:15
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: 2.8

FA4914: Chain of Custody
Page 1 of 3

FA 4914

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.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 4914 CLIENT: WSP PROJECT: AGNIUM

DATE/TIME RECEIVED: 5-23-13 10:15 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3227 5084

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 ? _____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OR 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 JC 5-23-13 REVIEWER SIGNATURE/DATE 05/23/13

NF 10/09 RECEIPT CONFIRMATION 100609 (2).xls

5.1 5

FA4914: Chain of Custody

Page 3 of 3

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:20	MA10784-STD1	1		STDA
08:23	MA10784-STD2	1		STDB
08:27	MA10784-STD3	1		STDC
08:31	MA10784-STD4	1		STDD
08:35	MA10784-HSTD1	1		
08:41	MA10784-ICV1	1		
08:52	MA10784-ICB1	1		
08:56	MA10784-CRIA1	1		
09:05	MA10784-ICSA1	1		
09:15	MA10784-ICSAB1	1		
09:22	MA10784-CCV1	1		
09:27	MA10784-CCB1	1		
09:32	MP25222-MB1	1		
09:37	MP25222-B1	1		
09:41	FA4827-1	1		(sample used for QC only; not part of login FA4914)
09:46	MP25222-D1	1		
09:50	MP25222-SD1	5		
09:54	MP25222-PS1	1		
09:59	MP25222-S1	1		
10:03	MP25222-S2	1		
10:07	ZZZZZZ	1		
10:12	ZZZZZZ	1		
10:16	MA10784-CCV2	1		
10:21	MA10784-CCB2	1		
10:25	ZZZZZZ	1		
10:30	ZZZZZZ	1		
10:34	ZZZZZZ	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		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:06	ZZZZZZ	1		
11:10	MA10784-CCV3	1		
11:14	MA10784-CCB3	1		
11:19	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:46	ZZZZZZ	1		
11:50	MP25224-MB1	1		
11:55	MP25224-B1	1		
11:59	FA4912-2	1		(sample used for QC only; not part of login FA4914)
12:04	MA10784-CCV4	1		
12:08	MA10784-CCB4	1		
12:13	MP25224-D1	1		
12:17	MP25224-SD1	5		
12:22	MP25224-PS1	1		
12:26	MP25224-S1	1		
12:31	MP25224-S2	1		
12:35	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	MA10784-CCV5	1		
13:02	MA10784-CCB5	1		
13:41	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:50	FA4914-1	1		
13:54	FA4914-2	1		
13:59	FA4914-3	1		
14:04	FA4914-4	1		

----------> Last reportable sample/prep for job FA4914

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:09	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:18	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:27	MA10784-CCV6	1		
14:31	MA10784-CCB6	1		
14:51	MA10784-CCV7	1		
14:56	MA10784-CCB7	1		
15:01	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:19	MP25228-MB1	1		
15:24	MP25228-B1	1		
15:28	FA4969-1L	1		(sample used for QC only; not part of login FA4914)
15:33	MP25228-D1	1		
15:38	MP25228-SD1	5		
15:42	MP25228-S1	1		
15:47	MA10784-CCV8	1		
15:51	MA10784-CCB8	1		
15:55	MP25228-S2	1		
16:00	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:14	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:42	MA10784-CCV9	1		
16:46	MA10784-CCB9	1		
16:51	ZZZZZZ	1		
16:55	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:00	ZZZZZZ	1		
17:04	MP25228-D2	1		
17:09	MP25228-MB2	1		
17:14	MP25228-B2	1		
17:18	MP25228-MB3	1		
17:23	MP25228-B3	1		
17:27	MA10784-CRIA2	1		
17:32	MA10784-ICSA2	1		
17:36	MA10784-CCV10	1		
17:41	MA10784-CCB10	1		
17:45	MA10784-ICSAB2	1		
17:50	MA10784-CCV11	1		
17:54	MA10784-CCB11	1		

----------> Last reportable CCB for job FA4914
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
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	MA10784-STD1	1923	22992	8875	1251
08:23	MA10784-STD2	1889	22784	8810	1191
08:27	MA10784-STD3	1827	22294	8678	1092
08:31	MA10784-STD4	1762	21641	8528	1011
08:35	MA10784-HSTD1	1767	21686	8523	1013
08:41	MA10784-ICV1	1806	21888	8512	1076
08:52	MA10784-ICB1	1899 R	22751 R	8698 R	1243 R
08:56	MA10784-CRIA1	1885	22574	8691	1208
09:05	MA10784-ICSA1	1667	20093	8108	934
09:15	MA10784-ICSAB1	1653	19886	8011	917
09:22	MA10784-CCV1	1802	21710	8465	1072
09:27	MA10784-CCB1	1870	22158	8444	1220
09:32	MP25222-MB1	1861	22167	8406	1216
09:37	MP25222-B1	1805	21512	8278	1107
09:41	FA4827-1	1828	21768	8458	1053
09:46	MP25222-D1	1842	22131	8655	1089
09:50	MP25222-SD1	1882	22609	8727	1179
09:54	MP25222-PS1	1802	21618	8471	1042
09:59	MP25222-S1	1776	21649	8503	1004
10:03	MP25222-S2	1781	21550	8404	1012
10:07	ZZZZZZ	1870	21933	8505	1083
10:12	ZZZZZZ	1843	22152	8631	1088
10:16	MA10784-CCV2	1824	22246	8581	1091
10:21	MA10784-CCB2	1902	22756	8661	1246
10:25	ZZZZZZ	1880	22476	8600	1207
10:30	ZZZZZZ	4052 !	49284 !	19513 !	1006
10:34	ZZZZZZ	2094	25474	10038	1087
10:39	ZZZZZZ	5242 !	63252 !	24755 !	1076
10:43	ZZZZZZ	2570 !	31180 !	12267 !	1077
10:48	ZZZZZZ	2306	27911	10943 !	1110
10:52	ZZZZZZ	2352	28317	11104 !	1097
10:57	ZZZZZZ	2475 !	29790 !	11715 !	1104
11:01	ZZZZZZ	2307	28184	11089 !	1032

INTERNAL STANDARD SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:06	ZZZZZZ	2168	26471	10423	1050
11:10	MA10784-CCV3	1836	22108	8733	1091
11:14	MA10784-CCB3	1913	22635	8773	1243
11:19	ZZZZZZ	2672 !	32431 !	12663 !	1075
11:23	ZZZZZZ	2848 !	34835 !	13671 !	1045
11:28	ZZZZZZ	2428 !	29777 !	11643 !	1085
11:32	ZZZZZZ	2292	27211	10690	1072
11:37	ZZZZZZ	2262	26955	10574	1082
11:41	ZZZZZZ	2359	28007	10988 !	1092
11:46	ZZZZZZ	1647	20312	8646	706 !
11:50	MP25224-MB1	1920	22818	8880	1250
11:55	MP25224-B1	1832	22025	8674	1129
11:59	FA4912-2	1706	20799	8161	1021
12:04	MA10784-CCV4	1812	21904	8616	1080
12:08	MA10784-CCB4	1906	22409	8753	1240
12:13	MP25224-D1	1679	20481	8443	1008
12:17	MP25224-SD1	1818	21793	8585	1147
12:22	MP25224-PS1	1690	20482	8289	1005
12:26	MP25224-S1	1681	20345	8300	979
12:31	MP25224-S2	1690	20849	8368	983
12:35	ZZZZZZ	1739	20512	8474	1071
12:40	ZZZZZZ	1714	20873	8571	1041
12:44	ZZZZZZ	1769	20923	8595	1097
12:49	ZZZZZZ	1763	21356	8420	1089
12:53	ZZZZZZ	1754	21211	8465	1071
12:58	MA10784-CCV5	1804	21602	8681	1068
13:02	MA10784-CCB5	1901	22367	8777	1231
13:41	ZZZZZZ	1836	21925	8663	1189
13:45	ZZZZZZ	1871	22303	8968	1220
13:50	FA4914-1	1566	19384	7885	913
13:54	FA4914-2	1594	19586	8035	921
13:59	FA4914-3	1864	22449	8779	1225
14:04	FA4914-4	1631	20199	8196	897

INTERNAL STANDARD SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:09	ZZZZZZ	1866	22559	8811	1219
14:13	ZZZZZZ	1824	22044	8610	1164
14:18	ZZZZZZ	1732	21408	8631	1033
14:22	ZZZZZZ	1772	22042	8599	1118
14:27	MA10784-CCV6	1798	21597	8596	1068
14:31	MA10784-CCB6	1883	22282	8691	1224
14:51	MA10784-CCV7	1768	21316	8506	1051
14:56	MA10784-CCB7	1862	22022	8620	1210
15:01	ZZZZZZ	2014	24241	9685	1080
15:05	ZZZZZZ	1759	21544	8606	1080
15:15	ZZZZZZ	1656	20406	8354	997
15:19	MP25228-MB1	1837	22101	8711	1203
15:24	MP25228-B1	1770	21400	8536	1091
15:28	FA4969-1L	1725	20791	8307	1054
15:33	MP25228-D1	1719	20945	8509	1055
15:38	MP25228-SD1	1804	21632	8616	1151
15:42	MP25228-S1	1717	20903	8596	1018
15:47	MA10784-CCV8	1747	21395	8518	1047
15:51	MA10784-CCB8	1805	21587	8499	1182
15:55	MP25228-S2	1705	21039	8492	1019
16:00	ZZZZZZ	1725	20699	8711	1071
16:05	ZZZZZZ	1742	21360	8364	1071
16:09	ZZZZZZ	1743	21360	8651	1074
16:14	ZZZZZZ	1732	21245	8532	1071
16:19	ZZZZZZ	1734	21298	8711	1073
16:23	ZZZZZZ	1744	21395	8654	1073
16:28	ZZZZZZ	1723	21207	8374	1062
16:33	ZZZZZZ	1710	21034	8449	1059
16:37	ZZZZZZ	1691	21011	8489	1039
16:42	MA10784-CCV9	1716	21187	8428	1032
16:46	MA10784-CCB9	1804	22078	8527	1188
16:51	ZZZZZZ	1685	20650	8211	1073
16:55	ZZZZZZ	1763	21803	8602	1185

INTERNAL STANDARD SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:00	ZZZZZZ	1789	21828	8502	1184
17:04	MP25228-D2	1707	21035	8479	1054
17:09	MP25228-MB2	1698	20892	8346	1059
17:14	MP25228-B2	1693	20651	8441	1016
17:18	MP25228-MB3	1791	21711	8659	1181
17:23	MP25228-B3	1743	21433	8488	1084
17:27	MA10784-CRIA2	1811	21961	8612	1169
17:32	MA10784-ICSA2	1581	19124	7944	894
17:36	MA10784-CCV10	1738	21361	8448	1044
17:41	MA10784-CCB10	1802	21660	8461	1182
17:45	MA10784-ICSAB2	1590	19414	7947	888
17:50	MA10784-CCV11	1742	21528	8461	1045
17:54	MA10784-CCB11	1827	22053	8572	1196

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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10784 Units: ug/l

Time:			08:52		09:27		10:21		11:14	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.8	<200	8.5	<200	9.8	<200	9.9	<200
Antimony	6.0	1.3	0.30	<6.0	-0.30	<6.0	0.50	<6.0	-0.60	<6.0
Arsenic	10	1.6	-1.3	<10	-1.6	<10	0.0	<10	-2.0	<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	0.10	<5.0
Calcium	1000	50	-1.0	<1000	3.5	<1000	7.0	<1000	3.0	<1000
Chromium	10	1.8	0.20	<10	0.40	<10	0.70	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-6.8	<300	9.2	<300	11.4	<300	8.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-21	<5000	-0.30	<5000	-26	<5000	-17	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-13	<10000	7.9	<10000	5.8	<10000	-15	<10000
Selenium	10	2	1.3	<10	1.9	<10	2.0	<10	3.1	<10
Silver	10	.5	anr							
Sodium	10000	500	-6.1	<10000	-2.3	<10000	-4.4	<10000	-3.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10784 Units: ug/l

Time:			12:08		13:02		14:31		14:56	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	11.2	<200	9.5	<200	16.5	<200	10.5	<200
Antimony	6.0	1.3	0.0	<6.0	0.30	<6.0	0.60	<6.0	-0.10	<6.0
Arsenic	10	1.6	-1.7	<10	-0.20	<10	-0.40	<10	0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.40	<5.0	0.40	<5.0	0.50	<5.0
Calcium	1000	50	11.3	<1000	11.1	<1000	13.2	<1000	10.2	<1000
Chromium	10	1.8	0.70	<10	0.80	<10	0.60	<10	0.80	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.4	<300	6.8	<300	10.8	<300	25.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-27	<5000	-25	<5000	-21	<5000	-7.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-4.7	<10000	-29	<10000	7.0	<10000	40.6	<10000
Selenium	10	2	-2.3	<10	3.0	<10	-0.10	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	5.8	<10000	13.9	<10000	14.4	<10000	10.5	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10784 Units: ug/l

Time:			15:51		16:46		17:41		17:54	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-1.3	<200	8.2	<200	10.4	<200	13.4	<200
Antimony	6.0	1.3	0.80	<6.0	0.80	<6.0	0.30	<6.0	0.50	<6.0
Arsenic	10	1.6	1.3	<10	1.2	<10	1.3	<10	1.5	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.50	<5.0	0.30	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	10.2	<1000	11.0	<1000	14.9	<1000	16.7	<1000
Chromium	10	1.8	0.70	<10	0.40	<10	0.40	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	28.5	<300	26.3	<300	26.2	<300	35.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.0	<5000	-14	<5000	-2.4	<5000	7.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	4.9	<10000	3.6	<10000	-0.80	<10000	18.6	<10000
Selenium	10	2	1.1	<10	-1.1	<10	-2.2	<10	-0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	74.1	<10000	68.3	<10000	58.8	<10000	61.8	<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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10784 Units: ug/l

Time:		08:41			09:22			10:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41100	102.8	40000	40700	101.8	40000	40500	101.3
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2070	103.5	2000	2080	104.0
Calcium	40000	41900	104.8	40000	41100	102.8	40000	41400	103.5
Chromium	2000	2070	103.5	2000	2070	103.5	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	42300	105.8	40000	41800	104.5	40000	42000	105.0
Lead	anr								
Magnesium	40000	39900	99.8	40000	40800	102.0	40000	41100	102.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41900	104.8	40000	40500	101.3	40000	40800	102.0
Selenium	2000	2050	102.5	2000	2040	102.0	2000	2050	102.5
Silver	anr								
Sodium	40000	42100	105.3	40000	40600	101.5	40000	41000	102.5
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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10784 Units: ug/l

Time:		11:10			12:04			12:58	
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	41100	102.8
Antimony	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Arsenic	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2080	104.0	2000	2070	103.5	2000	2060	103.0
Calcium	40000	42000	105.0	40000	41200	103.0	40000	41200	103.0
Chromium	2000	2120	106.0	2000	2080	104.0	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	42300	105.8	40000	41600	104.0	40000	41700	104.3
Lead	anr								
Magnesium	40000	41200	103.0	40000	40600	101.5	40000	40800	102.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40600	101.5	40000	40600	101.5	40000	40900	102.3
Selenium	2000	2040	102.0	2000	2050	102.5	2000	2060	103.0
Silver	anr								
Sodium	40000	40800	102.0	40000	40800	102.0	40000	41200	103.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10784 Units: ug/l

Time:		14:27			14:51			15:47	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	39700	99.3	40000	39300	98.3
Antimony	2000	2060	103.0	2000	1970	98.5	2000	2000	100.0
Arsenic	2000	2070	103.5	2000	1980	99.0	2000	2000	100.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2010	100.5	2000	2030	101.5
Calcium	40000	42300	105.8	40000	40000	100.0	40000	39700	99.3
Chromium	2000	2130	106.5	2000	2020	101.0	2000	2000	100.0
Cobalt	anr								
Copper	anr								
Iron	40000	42400	106.0	40000	40700	101.8	40000	40400	101.0
Lead	anr								
Magnesium	40000	41600	104.0	40000	39700	99.3	40000	39400	98.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41600	104.0	40000	39800	99.5	40000	39600	99.0
Selenium	2000	2080	104.0	2000	1980	99.0	2000	2010	100.5
Silver	anr								
Sodium	40000	41700	104.3	40000	39800	99.5	40000	39600	99.0
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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10784 Units: ug/l

Time:		16:42			17:36			17:50	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39400	98.5	40000	39500	98.8
Antimony	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Arsenic	2000	2030	101.5	2000	2010	100.5	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2040	102.0	2000	2050	102.5
Calcium	40000	39800	99.5	40000	39600	99.0	40000	39700	99.3
Chromium	2000	2020	101.0	2000	2010	100.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	40600	101.5	40000	40500	101.3
Lead	anr								
Magnesium	40000	39400	98.5	40000	39300	98.3	40000	39500	98.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40200	100.5	40000	39800	99.5	40000	39800	99.5
Selenium	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Silver	anr								
Sodium	40000	40300	100.8	40000	39800	99.5	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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10784 Units: ug/l

Time:		08:35	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80600	100.8
Antimony	4000	4030	100.8
Arsenic	4000	4040	101.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3990	99.8
Calcium	80000	80900	101.1
Chromium	4000	4010	100.3
Cobalt	anr		
Copper	anr		
Iron	80000	81000	101.3
Lead	anr		
Magnesium	80000	81200	101.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80500	100.6
Selenium	4000	4040	101.0
Silver	anr		
Sodium	80000	80700	100.9
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10784 Units: ug/l

Time:			08:56		17:27	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	211	105.5	201	100.5
Antimony	10	5.0	5.9	118.0	5.0	100.0
Arsenic	20	10	10.1	101.0	10.3	103.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.1	102.0	5.2	104.0
Calcium	2000	1000	1040	104.0	1010	101.0
Chromium	20	10	10.9	109.0	10.2	102.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	300	100.0	334	111.3
Lead	10	5.0	anr			
Magnesium	10000	5000	4930	98.6	4810	96.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10000	100.0	9940	99.4
Selenium	20	10	12.0	120.0	10.0	100.0
Silver	20	10	anr			
Sodium	20000	10000	9920	99.2	9830	98.3
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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10784 Units: ug/l

Time:			09:05		09:15		17:32		17:45	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	522000	104.4	527000	105.4	512000	102.4	515000	103.0
Antimony		1000	0.0		1020	102.0	0.30		1020	102.0
Arsenic		1000	0.0		1040	104.0	-0.30		1040	104.0
Barium		500	0.20		522	104.4	0.30		519	103.8
Beryllium		500	0.0		506	101.2	-0.10		497	99.4
Cadmium		1000	0.10		924	92.4	1.2		919	91.9
Calcium	500000	500000	507000	101.4	512000	102.4	498000	99.6	503000	100.6
Chromium		500	0.40		474	94.8	-0.20		471	94.2
Cobalt		500	-1.1		458	91.6	-1.1		457	91.4
Copper		500	0.0		547	109.4	0.10		531	106.2
Iron	200000	200000	189000	94.5	199000	99.5	187000	93.5	195000	97.5
Lead		1000	-0.10		953	95.3	-1.6		932	93.2
Magnesium	500000	500000	527000	105.4	530000	106.0	518000	103.6	519000	103.8
Manganese		500	0.0		490	98.0	0.20		485	97.0
Molybdenum		1000	0.30		947	94.7	0.30		948	94.8
Nickel		1000	0.0		909	90.9	-0.20		902	90.2
Potassium			-1.4		-25		18.7		21.1	
Selenium		1000	0.0		984	98.4	-4.9		973	97.3
Silver		1000	0.70		986	98.6	0.10		984	98.4
Sodium			71.8		110		94.2		131	
Strontium		1000	12.1		1030	103.0	12.2		1020	102.0
Thallium		1000	0.0		941	94.1	3.7		922	92.2
Tin		1000	-1.9		925	92.5	0.20		916	91.6
Titanium		1000	-3.0		990	99.0	-2.2		974	97.4
Vanadium		500	0.30		479	95.8	0.20		472	94.4
Zinc		1000	-3.0		924	92.4	-0.30		923	92.3

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:17	MA10788-STD1	1		STDA
08:21	MA10788-STD2	1		STDB
08:25	MA10788-STD3	1		STDC
08:29	MA10788-STD4	1		STDD
08:35	MA10788-HSTD1	1		
08:43	MA10788-ICV1	1		
08:53	MA10788-ICB1	1		
08:57	MA10788-CRIA1	1		
09:11	MA10788-ICSA1	1		
09:18	MA10788-ICSAB1	1		
09:27	MA10788-CCV1	1		
09:34	MA10788-CCB1	1		
09:42	MP25230-MB1	1		
09:47	MP25230-B1	1		
09:51	FA5032-1	1		(sample used for QC only; not part of login FA4914)
09:55	MP25230-D1	1		
09:59	MP25230-SD1	5		
10:03	MP25230-PS1	1		
10:07	MP25230-S1	1		
10:11	MP25230-S2	1		
10:19	ZZZZZZ	1		
10:23	MA10788-CCV2	1		
10:27	MA10788-CCB2	1		
10:32	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:45	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:58	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:07	ZZZZZZ	5		
11:11	ZZZZZZ	50		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Cd,Ca,Cr,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:15	MA10788-CCV3	1		
	11:20	MA10788-CCB3	1		
	11:24	ZZZZZZ	10		
	11:28	ZZZZZZ	2		
	11:32	ZZZZZZ	2		
	11:37	ZZZZZZ	20		
	11:41	ZZZZZZ	20		
	11:45	ZZZZZZ	2		
	11:54	ZZZZZZ	2		
	11:58	ZZZZZZ	20		
	12:03	FA4914-1	4		
	12:07	MA10788-CCV4	1		
	12:11	MA10788-CCB4	1		
	12:15	FA4914-2	5		
	12:20	FA4914-4	5		
---------->	Last reportable sample/prep for job FA4914				
	12:24	ZZZZZZ	10		
	12:28	ZZZZZZ	5		
	12:33	MP25223-B1	1		
	12:37	ZZZZZZ	5		
	12:41	ZZZZZZ	2		
	12:46	ZZZZZZ	4		
	12:50	ZZZZZZ	4		
	12:54	ZZZZZZ	5		
	12:58	MA10788-CCV5	1		
	13:02	MA10788-CCB5	1		
	13:07	ZZZZZZ	5		
	13:11	ZZZZZZ	5		
	13:15	ZZZZZZ	2		
	13:19	ZZZZZZ	4		
	13:23	ZZZZZZ	4		
	13:28	ZZZZZZ	4		
	13:32	ZZZZZZ	5		
	13:36	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:40	ZZZZZZ	4		
13:44	ZZZZZZ	4		
13:49	MA10788-CCV6	1		
13:53	MA10788-CCB6	1		
13:57	ZZZZZZ	4		
14:01	FA4840-2	5		(sample used for QC only; not part of login FA4914)
14:05	MP25227-D1	5		
14:10	MP25227-S1	5		
14:14	MP25227-S2	5		
14:18	MP25227-PS1	5		
14:22	MP25227-SD1	25		
14:26	ZZZZZZ	10		
14:31	ZZZZZZ	4		
14:35	ZZZZZZ	4		
14:44	MA10788-CCV7	1		
14:51	MA10788-CCB7	1		
14:55	ZZZZZZ	5		
14:59	ZZZZZZ	4		
15:03	ZZZZZZ	4		
15:08	ZZZZZZ	5		
15:12	ZZZZZZ	5		
15:16	ZZZZZZ	5		
15:20	ZZZZZZ	25		
15:25	ZZZZZZ	20		
15:29	ZZZZZZ	5		
15:33	ZZZZZZ	4		
15:37	MA10788-CCV8	1		
15:41	MA10788-CCB8	1		
15:46	ZZZZZZ	5		
15:50	ZZZZZZ	5		
15:54	ZZZZZZ	25		
15:58	ZZZZZZ	50		
16:02	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Cd,Ca,Cr,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:07	MA10788-CRIA2	1		
	16:11	MA10788-ICSA2	1		
	16:15	MA10788-ICSAB2	1		
	16:20	MA10788-CCV9	1		
	16:24	MA10788-CCB9	1		
---------->	Last reportable CCB for job FA4914				
	Refer to raw data for calibration curve and standards.				

INTERNAL STANDARD SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:17	MA10788-STD1	6062	42340	10695	2747
08:21	MA10788-STD2	6057	41690	10773	2567
08:25	MA10788-STD3	5793	39475	10620	2294
08:29	MA10788-STD4	5567	38332	10373	2077
08:35	MA10788-HSTD1	5569	38290	10313	2077
08:43	MA10788-ICV1	5775	39485	10527	2278
08:53	MA10788-ICB1	6107 R	42248 R	10676 R	2758 R
08:57	MA10788-CRIA1	6023	41422	10688	2635
09:11	MA10788-ICSA1	5287	35098	10154	1983
09:18	MA10788-ICSAB1	5238	34993	10119	1931
09:27	MA10788-CCV1	5849	39690	10629	2284
09:34	MA10788-CCB1	6085	41997	10596	2728
09:42	MP25230-MB1	5942	41598	10455	2661
09:47	MP25230-B1	5767	39334	10323	2354
09:51	FA5032-1	6022	41345	10657	2526
09:55	MP25230-D1	6015	41469	10596	2529
09:59	MP25230-SD1	6140	42261	10688	2690
10:03	MP25230-PS1	5993	40908	10582	2441
10:07	MP25230-S1	5870	40004	10536	2295
10:11	MP25230-S2	5829	39575	10480	2289
10:19	ZZZZZZ	4422	30695	9437	1489 !
10:23	MA10788-CCV2	5850	39877	10501	2281
10:27	MA10788-CCB2	6108	42098	10632	2737
10:32	ZZZZZZ	8269	55355	14968	2195
10:36	ZZZZZZ	7429	50236	13700	2113
10:41	ZZZZZZ	9035 !	61604 !	16413 !	2215
10:45	ZZZZZZ	8851	60834	16026	2208
10:50	ZZZZZZ	7720 !	52482	13802 !	2372
10:54	ZZZZZZ	7191	48817	12931	2255
10:58	ZZZZZZ	7862	53635	14093	2286
11:03	ZZZZZZ	7609	51371	13863	2179
11:07	ZZZZZZ	8286	56513	14675	2416
11:11	ZZZZZZ	6159	41993	10645	2718

INTERNAL STANDARD SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:15	MA10788-CCV3	5807	39512	10432	2275
11:20	MA10788-CCB3	6084	42037	10562	2732
11:24	ZZZZZZ	7583	52044	13070	2602
11:28	ZZZZZZ	7630	52194	13527	2364
11:32	ZZZZZZ	7476	51009	13113	2460
11:37	ZZZZZZ	6025	41473	10737	2542
11:41	ZZZZZZ	5970	41020	10564	2530
11:45	ZZZZZZ	7949	54166	14082	2334
11:54	ZZZZZZ	7321	50307	13013	2375
11:58	ZZZZZZ	5725	39154	10311	2309
12:03	FA4914-1	5515	37903	10171	2284
12:07	MA10788-CCV4	5715	38923	10290	2241
12:11	MA10788-CCB4	6014	41550	10427	2721
12:15	FA4914-2	5666	38967	10315	2363
12:20	FA4914-4	5640	38710	10307	2308
12:24	ZZZZZZ	6088	41078	11008	2281
12:28	ZZZZZZ	6287	42394	11773	2077
12:33	MP25223-B1	5726	39408	10169	2379
12:37	ZZZZZZ	6697	45920	11695	2547
12:41	ZZZZZZ	6727	45898	12569	2087
12:46	ZZZZZZ	6593	45087	11570	2507
12:50	ZZZZZZ	6155	41832	11253	2196
12:54	ZZZZZZ	6682	45490	11663	2522
12:58	MA10788-CCV5	5747	39178	10275	2249
13:02	MA10788-CCB5	6048	41679	10472	2720
13:07	ZZZZZZ	5921	40177	10926	2111
13:11	ZZZZZZ	6579	44868	11521	2497
13:15	ZZZZZZ	7212	49199	12623	2402
13:19	ZZZZZZ	6778	46013	11783	2433
13:23	ZZZZZZ	6642	45332	11620	2460
13:28	ZZZZZZ	6836	46812	11982	2506
13:32	ZZZZZZ	7019	47765	12262	2488
13:36	ZZZZZZ	6145	41560	11021	2241

INTERNAL STANDARD SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:40	ZZZZZZ	6094	41174	11045	2200
13:44	ZZZZZZ	6839	46647	11894	2513
13:49	MA10788-CCV6	5843	39812	10478	2272
13:53	MA10788-CCB6	6061	41525	10399	2711
13:57	ZZZZZZ	6611	44994	11647	2425
14:01	FA4840-2	7092	48489	12402	2485
14:05	MP25227-D1	7014	47827	12228	2511
14:10	MP25227-S1	7265	49540	12780	2467
14:14	MP25227-S2	6905	47044	12217	2469
14:18	MP25227-PS1	7068	48290	12364	2476
14:22	MP25227-SD1	6360	43501	11030	2634
14:26	ZZZZZZ	6163	42547	10908	2600
14:31	ZZZZZZ	6610	45087	11620	2492
14:35	ZZZZZZ	6583	45168	11632	2462
14:44	MA10788-CCV7	5743	39014	10304	2240
14:51	MA10788-CCB7	6019	41241	10386	2698
14:55	ZZZZZZ	6762	45845	11860	2499
14:59	ZZZZZZ	6744	45851	11862	2412
15:03	ZZZZZZ	6557	44787	11556	2476
15:08	ZZZZZZ	6659	45224	11751	2440
15:12	ZZZZZZ	6768	46129	11862	2510
15:16	ZZZZZZ	5619	38133	10366	2154
15:20	ZZZZZZ	5707	39056	10345	2347
15:25	ZZZZZZ	6045	41389	10687	2604
15:29	ZZZZZZ	6547	44690	11640	2429
15:33	ZZZZZZ	6592	44735	11747	2410
15:37	MA10788-CCV8	5724	39054	10294	2252
15:41	MA10788-CCB8	5939	41035	10362	2685
15:46	ZZZZZZ	6457	44265	11458	2464
15:50	ZZZZZZ	6828	46412	12057	2445
15:54	ZZZZZZ	6005	41289	10647	2579
15:58	ZZZZZZ	5929	40632	10483	2571
16:02	ZZZZZZ	6479	44100	11438	2463

INTERNAL STANDARD SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:07	MA10788-CRIA2	5920	40553	10359	2589
16:11	MA10788-ICSA2	5164	34415	9834	1945
16:15	MA10788-ICSAB2	5116	34467	9849	1901
16:20	MA10788-CCV9	5693	38622	10207	2244
16:24	MA10788-CCB9	5959	41224	10395	2698

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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10788 Units: ug/l

Time:			08:53		09:34		10:27		11:20	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	20	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	5.0	.5	anr							
Cadmium	4.0	.5	0.0	<4.0	0.10	<4.0	0.10	<4.0	0.10	<4.0
Calcium	5000	50	0.80	<5000	12.4	<5000	47.9	<5000	10.3	<5000
Chromium	10	1.8	-0.20	<10	0.0	<10	0.20	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	20	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	20	2	1.7	<20	1.1	<20	0.10	<20	0.30	<20
Silver	10	.5	anr							
Sodium	10000	500	-0.90	<10000	6.6	<10000	53.5	<10000	13.2	<10000
Strontium	10	.5	anr							
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10788 Units: ug/l

Time:			12:11		13:02		13:53		14:51	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	20	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	5.0	.5								
Cadmium	4.0	.5	0.10	<4.0	0.0	<4.0	0.0	<4.0	0.10	<4.0
Calcium	5000	50	12.6	<5000	8.1	<5000	5.9	<5000	10.3	<5000
Chromium	10	1.8	0.0	<10	-0.20	<10	-0.20	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	20	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	20	2	0.60	<20	0.40	<20	-0.20	<20	1.4	<20
Silver	10	.5	anr							
Sodium	10000	500	10.4	<10000	17.2	<10000	7.4	<10000	12.1	<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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10788 Units: ug/l

Time:			15:41		16:24	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	anr			
Antimony	20	1.3	anr			
Arsenic	10	1.6	anr			
Barium	200	1	anr			
Beryllium	5.0	.5				
Cadmium	4.0	.5	0.20	<4.0	0.20	<4.0
Calcium	5000	50	8.7	<5000	12.4	<5000
Chromium	10	1.8	0.0	<10	0.20	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	anr			
Lead	20	1.1	anr			
Magnesium	5000	74	anr			
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	anr			
Selenium	20	2	0.50	<20	0.30	<20
Silver	10	.5	anr			
Sodium	10000	500	11.7	<10000	14.2	<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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10788 Units: ug/l

Time:		08:43			09:27			10:23	
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	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Calcium	40000	41800	104.5	40000	40000	100.0	40000	40900	102.3
Chromium	2000	2050	102.5	2000	2030	101.5	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	2000	2020	101.0	2000	1950	97.5	2000	1970	98.5
Silver	anr								
Sodium	40000	41600	104.0	40000	40000	100.0	40000	40600	101.5
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10788 Units: ug/l

Time:		11:15			12:07			12:58	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0
Calcium	40000	40300	100.8	40000	40500	101.3	40000	40300	100.8
Chromium	2000	2040	102.0	2000	2060	103.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	1980	99.0	2000	2010	100.5	2000	2010	100.5
Silver	anr								
Sodium	40000	40600	101.5	40000	40800	102.0	40000	40900	102.3
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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10788 Units: ug/l

Time:		13:49			14:44			15:37	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	2000	2010	100.5	2000	2040	102.0	2000	2040	102.0
Calcium	40000	39600	99.0	40000	40200	100.5	40000	39900	99.8
Chromium	2000	2010	100.5	2000	2050	102.5	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	1950	97.5	2000	1990	99.5	2000	2000	100.0
Silver	anr								
Sodium	40000	40400	101.0	40000	41100	102.8	40000	40800	102.0
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10788 Units: ug/l

Time:		16:20	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	2000	2040	102.0
Calcium	40000	40100	100.3
Chromium	2000	2060	103.0
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	2000	2000	100.0
Silver	anr		
Sodium	40000	40900	102.3
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10788 Units: ug/l

Time:		08:35	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	4000	3990	99.8
Calcium	80000	80100	100.1
Chromium	4000	4000	100.0
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	4000	4020	100.5
Silver	anr		
Sodium	80000	80500	100.6
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10788 Units: ug/l

Time:			08:57		16:07	
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	5.2	104.0	5.2	104.0
Calcium	2000	1000	1040	104.0	1040	104.0
Chromium	20	10	9.8	98.0	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	11.7	117.0	9.8	98.0
Silver	20	10	anr			
Sodium	20000	10000	9910	99.1	10200	102.0
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10788 Units: ug/l

Time:			09:11		09:18		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	507000	101.4	507000	101.4	508000	101.6	504000	100.8
Antimony		1000	0.40		1020	102.0	-1.0		1040	104.0
Arsenic		1000	-1.5		1040	104.0	0.10		1050	105.0
Barium		500	0.0		515	103.0	0.10		520	104.0
Beryllium		500	-0.10		503	100.6	-0.10		495	99.0
Cadmium		1000	0.0		928	92.8	0.40		938	93.8
Calcium	500000	500000	480000	96.0	478000	95.6	477000	95.4	470000	94.0
Chromium		500	0.30		485	97.0	0.20		486	97.2
Cobalt		500	0.50		459	91.8	0.40		466	93.2
Copper		500	0.0		530	106.0	-0.20		540	108.0
Iron	200000	200000	178000	89.0	188000	94.0	176000	88.0	186000	93.0
Lead		1000	-0.40		956	95.6	-1.7		955	95.5
Magnesium	500000	500000	497000	99.4	498000	99.6	489000	97.8	490000	98.0
Manganese		500	-0.10		487	97.4	0.0		489	97.8
Molybdenum		1000	-0.40		944	94.4	-0.50		955	95.5
Nickel		1000	0.30		896	89.6	0.10		911	91.1
Potassium			33.2		33.6		66.8		33.9	
Selenium		1000	-1.2		979	97.9	-2.3		1010	101.0
Silver		1000	0.20		984	98.4	0.20		992	99.2
Sodium			93.5		119		130		117	
Strontium		1000	11.9		1030	103.0	12.4		1040	104.0
Thallium		1000	-1.2		973	97.3	-1.2		975	97.5
Tin		1000	-0.90		920	92.0	0.10		932	93.2
Titanium		1000	-4.2		1020	102.0	-4.2		1030	103.0
Vanadium		500	-0.20		480	96.0	-0.30		484	96.8
Zinc		1000	0.30		931	93.1	2.3		933	93.3

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	9.5	<200
Antimony	6.0	1.3	1.3	0.0	<6.0
Arsenic	10	1.6	2.5	-2.4	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	219	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-4.7	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-18	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-7.4	<10000
Selenium	10	2	2	3.1	<10
Silver	10	.5	.5		
Sodium	10000	500	500	-4.7	<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 MP25224: FA4914-1, FA4914-2, FA4914-3, FA4914-4

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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13 05/29/13

Metal	FA4912-2 Original	DUP	RPD	QC Limits	FA4912-2 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	154	129	17.7	0-20	154	30800	27000	113.5	80-120
Antimony	2.3	2.4	4.3	0-20	2.3	580	500	115.5	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2330	2000	116.5	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	53.5	50	107.0	80-120
Calcium	300000	270000	10.5	0-20	300000	305000	25000	20.0 (c)	80-120
Chromium	0.0	0.0	NC	0-20	0.0	229	200	114.5	80-120
Cobalt	anr								
Copper	anr								
Iron	119	87.7	30.3 (a)	0-20	119	29000	26000	111.1	80-120
Lead	anr								
Magnesium	50300	45200	10.7	0-20	50300	74300	25000	96.0	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	638	575	10.4	0-20	638	29900	25000	117.0	80-120
Selenium	2.6	3.9	40.0 (a)	0-20	2.6	2310	2000	115.4	80-120
Silver	anr								
Sodium	156000	147000(b	5.9	0-20	156000	178000(b	25000	88.0	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP25224: FA4914-1, FA4914-2, FA4914-3, FA4914-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Above linear range.
(c) 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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13

Metal	FA4912-2 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	154	30000	27000	110.5	2.6	20
Antimony	2.3	559	500	111.3	3.7	20
Arsenic	0.0	2240	2000	112.0	3.9	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	51.8	50	103.6	3.2	20
Calcium	300000	306000	25000	24.0 (a)	0.3	20
Chromium	0.0	216	200	108.0	5.8	20
Cobalt	anr					
Copper	anr					
Iron	119	28200	26000	108.0	2.8	20
Lead	anr					
Magnesium	50300	73900	25000	94.4	0.5	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	638	29200	25000	114.2	2.4	20
Selenium	2.6	2250	2000	112.4	2.6	20
Silver	anr					
Sodium	156000	176000(b	25000	80.0	1.1	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP25224: FA4914-1, FA4914-2, FA4914-3, FA4914-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) Above linear range.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28300	27000	104.8	80-120
Antimony	530	500	106.0	80-120
Arsenic	2120	2000	106.0	80-120
Barium	anr			
Beryllium	anr			
Cadmium	53.3	50	106.6	80-120
Calcium	26500	25000	106.0	80-120
Chromium	222	200	111.0	80-120
Cobalt	anr			
Copper	anr			
Iron	28100	26000	108.1	80-120
Lead	anr			
Magnesium	25500	25000	102.0	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	26700	25000	106.8	80-120
Selenium	2100	2000	105.0	80-120
Silver	anr			
Sodium	26600	25000	106.4	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25224: FA4914-1, FA4914-2, FA4914-3, FA4914-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13

Metal	FA4912-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	154	173	12.5 (a)	0-10
Antimony	2.30	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	300000	303000	0.9	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	anr			
Copper	anr			
Iron	119	0.00	100.0(a)	0-10
Lead	anr			
Magnesium	50300	49700	1.3	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	638	0.00	100.0(a)	0-10
Selenium	2.60	0.00	100.0(a)	0-10
Silver	anr			
Sodium	156000	157000	1.0	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25224: FA4914-1, FA4914-2, FA4914-3, FA4914-4

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: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13

Metal	Sample ml	Final ml	FA4912-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	153.8	150.724	2802	0.2	125	2500	106.1	80-120
Antimony	9.8	10	2.3	2.254	110.5	0.2	5	100	108.2	80-120
Arsenic	9.8	10	0	0	110	0.2	5	100	110.0	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	52.6	0.2	2.5	50	105.2	80-120
Calcium	9.8	10	300300	294294	293300	0.2	250	5000	-19.9*(a	80-120
Chromium	9.8	10	0	0	54.2	0.2	2.5	50	108.4	80-120
Cobalt										
Copper										
Iron	9.8	10	119.4	117.012	3294	0.2	150	3000	105.9	80-120
Lead										
Magnesium	9.8	10	50340	49333.2	53590	0.2	250	5000	85.1	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	637.8	625.044	12000	0.2	500	10000	113.7	80-120
Selenium	9.8	10	2.6	2.548	111.5	0.2	5	100	109.0	80-120
Silver										
Sodium	9.8	10	155800	152684	165300	0.2	500	10000	126.2*(a	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25224: FA4914-1, FA4914-2, FA4914-3, FA4914-4

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: FA4914
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	GN56016	5.0	2.5	mg/l	250	262	104.8	90-113%
Alkalinity, Total as CaCO3	GN56017	25	0.0	mg/l	250	271	108.0	90-113%
Chloride	GP21707/GN55910	2.0	0.0	mg/l	50	51.2	102.4	90-110%
Fluoride	GP21799/GN56132	0.20	0.0	mg/l	2.5	2.30	92.0	90-110%
Nitrogen, Nitrate	GP21707/GN55910	0.10	0.0	mg/l	2.5	2.57	102.8	90-110%
Nitrogen, Nitrite	GP21707/GN55910	0.10	0.0	mg/l	2.5	2.72	108.8	90-110%
Phosphate, Ortho	GP21706/GN55897	0.10	0.0	mg/l	.300	0.31	103.0	83-116%
Phosphorus, Total	GP21770/GN56078	0.10	0.0	mg/l	.300	0.30	98.9	81-118%
Solids, Total Dissolved	GN55947	100	20.0	mg/l				
Solids, Total Dissolved	GN55976	100	0.0	mg/l				
Specific Conductivity	GN55894	1.0	0.0	umhos/cm				
Sulfate	GP21707/GN55910	2.0	0.0	mg/l	50	50.1	100.2	90-110%

Associated Samples:
Batch GN55894: FA4914-1, FA4914-2, FA4914-3, FA4914-4
Batch GN55947: FA4914-1, FA4914-2, FA4914-3
Batch GN55976: FA4914-4
Batch GN56016: FA4914-3, FA4914-4
Batch GN56017: FA4914-1, FA4914-2
Batch GP21706: FA4914-1F, FA4914-2F, FA4914-3F, FA4914-4F
Batch GP21707: FA4914-1, FA4914-2, FA4914-3, FA4914-4
Batch GP21770: FA4914-1, FA4914-2, FA4914-3, FA4914-4
Batch GP21799: FA4914-1, FA4914-2, FA4914-3, FA4914-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4914
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	GN56016	FA4911-5	mg/l	26.4	22.4	16.4	0-20%
Alkalinity, Total as CaCO3	GN56017	FA4914-1	mg/l	619	616	0.5	0-20%
Phosphate, Ortho	GP21706/GN55897	FA4914-1F	mg/l	0.14	0.14	3.0	0-26%
Phosphorus, Total	GP21770/GN56078	FA5189-1	mg/l	3.6	3.6	1.2	0-22%
Solids, Total Dissolved	GN55947	FA4929-4	mg/l	183	180	1.7	0-5%
Solids, Total Dissolved	GN55976	FA4929-6	mg/l	43.0	39.0	9.8(a)	0-5%
Specific Conductivity	GN55894	FA4900-4	umhos/cm	222	222	0.2	0-10%
pH	GN55892	FA4899-1	su	6.30	6.28	0.3	0-10%

Associated Samples:
Batch GN55892: FA4914-1, FA4914-2, FA4914-3, FA4914-4
Batch GN55894: FA4914-1, FA4914-2, FA4914-3, FA4914-4
Batch GN55947: FA4914-1, FA4914-2, FA4914-3
Batch GN55976: FA4914-4
Batch GN56016: FA4914-3, FA4914-4
Batch GN56017: FA4914-1, FA4914-2
Batch GP21706: FA4914-1F, FA4914-2F, FA4914-3F, FA4914-4F
Batch GP21770: FA4914-1, FA4914-2, FA4914-3, FA4914-4
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4914
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	GN56016	FA4911-5	mg/l	26.4	250	270	97.3	90-113%
Alkalinity, Total as CaCO3	GN56017	FA4914-1	mg/l	619	250	843	89.6*(a)	90-113%
Chloride	GP21707/GN55910	FA4907-1	mg/l	3.6	50	55.5	103.8	90-110%
Fluoride	GP21799/GN56132	FA4828-1	mg/l	0.49	2.5	3.5	120.4N(a)	90-110%
Nitrogen, Nitrate	GP21707/GN55910	FA4907-1	mg/l	1.5	2.5	4.2	108.0	90-110%
Nitrogen, Nitrite	GP21707/GN55937	FA4907-1	mg/l	0.0	2.5	2.8	112.0N(a)	90-110%
Phosphate, Ortho	GP21706/GN55897	FA4914-1F	mg/l	0.14	.300	0.41	91.7	83-116%
Phosphorus, Total	GP21770/GN56078	FA5189-1	mg/l	3.6	.300	3.9	103.0	81-118%
Sulfate	GP21707/GN55910	FA4907-1	mg/l	2.1	50	52.2	100.2	90-110%

Associated Samples:
Batch GN56016: FA4914-3, FA4914-4
Batch GN56017: FA4914-1, FA4914-2
Batch GP21706: FA4914-1F, FA4914-2F, FA4914-3F, FA4914-4F
Batch GP21707: FA4914-1, FA4914-2, FA4914-3, FA4914-4
Batch GP21770: FA4914-1, FA4914-2, FA4914-3, FA4914-4
Batch GP21799: FA4914-1, FA4914-2, FA4914-3, FA4914-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4914
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	GP21707/GN55910	FA4907-1	mg/l	3.6	50	55.6	0.2	20%
Fluoride	GP21799/GN56132	FA4828-1	mg/l	0.49	2.5	3.7	5.6	20%
Nitrogen, Nitrate	GP21707/GN55910	FA4907-1	mg/l	1.5	2.5	4.2	0.0	20%
Nitrogen, Nitrite	GP21707/GN55937	FA4907-1	mg/l	0.0	2.5	2.8	0.0	20%
Phosphate, Ortho	GP21706/GN55897	FA4914-1F	mg/l	0.14	.300	0.402	2.0	26%
Phosphorus, Total	GP21770/GN56078	FA5189-1	mg/l	3.6	.300	3.85	1.1	22%
Sulfate	GP21707/GN55910	FA4907-1	mg/l	2.1	50	52.2	0.0	20%

Associated Samples:
Batch GP21706: FA4914-1F, FA4914-2F, FA4914-3F, FA4914-4F
Batch GP21707: FA4914-1, FA4914-2, FA4914-3, FA4914-4
Batch GP21770: FA4914-1, FA4914-2, FA4914-3, FA4914-4
Batch GP21799: FA4914-1, FA4914-2, FA4914-3, FA4914-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313230501.TXT Date Analyzed: 05/23/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55910
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:49	GN55910-CCV1	1		
09:05	ZZZZZZ	10		
09:22	ZZZZZZ	10		
09:39	ZZZZZZ	1		
09:55	GP21707-MB1	1		
10:12	GP21707-B1	1		
11:03	ZZZZZZ	10		
11:20	ZZZZZZ	10		
11:37	ZZZZZZ	10		
12:50	GN55910-CCV2	1		
13:06	GN55910-CCB1	1		
13:23	ZZZZZZ	1		
13:40	ZZZZZZ	5		
13:57	FA4907-1	1		(sample used for QC only; not part of login FA4914)
14:14	FA4914-1	10		
14:31	FA4914-2	25		
14:48	FA4914-3	1		
15:05	FA4914-4	25		
15:22	ZZZZZZ	1		
15:39	ZZZZZZ	5		
15:56	ZZZZZZ	10		
16:13	GN55910-CCV3	1		
16:30	GN55910-CCB2	1		
16:46	ZZZZZZ	2		
17:03	ZZZZZZ	1		
17:20	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:54	FA4919-5	1		(sample used for QC only; not part of login FA4914)
18:11	ZZZZZZ	1		
18:28	ZZZZZZ	1		
18:45	ZZZZZZ	1		
19:02	ZZZZZZ	5		
19:18	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313230501.TXT Date Analyzed: 05/23/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55910
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:35	GN55910-CCV4	1		
19:56	GN55910-CCB3	1		
20:15	ZZZZZZ	1		
20:35	GP21707-S1	1		
20:55	GP21707-S2	1		
21:14	GP21707-S3	1		
21:34	GP21707-S4	1		
21:53	ZZZZZZ	2		
22:13	FA4864-2	1		(sample used for QC only; not part of login FA4914)
22:30	FA4864-3	1		(sample used for QC only; not part of login FA4914)
22:47	ZZZZZZ	5		
23:04	ZZZZZZ	25		
23:21	GN55910-CCV5	1		
23:38	GN55910-CCB4	1		
23:54	ZZZZZZ	2		
00:11	ZZZZZZ	1		
00:28	ZZZZZZ	1		
00:45	ZZZZZZ	5		
01:02	GP21700-S1	1		
01:19	GP21700-S2	1		
01:36	GP21700-S3	1		
01:53	GP21700-S4	1		
02:10	FA4914-1	50		
02:27	FA4914-4	50		
02:44	GN55910-CCV6	1		
03:00	GN55910-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313230501.TXT Date Analyzed: 05/23/13 Methods: EPA 300/SW846 9056A
Run ID: GN55910 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55910-CCV1	Chloride	50.8	2.0	0.80	50	101.6	90-110
GN55910-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55910-CCV1	Sulfate	52.3	2.0	0.60	50	104.6	90-110
GN55910-CCV2	Chloride	50.2	2.0	0.80	50	100.4	90-110
GN55910-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55910-CCV2	Sulfate	52.8	2.0	0.60	50	105.6	90-110
GN55910-CCB1	Chloride	0.80 U	2.0	0.80			
GN55910-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55910-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55910-CCV3	Chloride	49.6	2.0	0.80	50	99.2	90-110
GN55910-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55910-CCV3	Sulfate	51.7	2.0	0.60	50	103.4	90-110
GN55910-CCB2	Chloride	0.80 U	2.0	0.80			
GN55910-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55910-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55910-CCV4	Chloride	50.3	2.0	0.80	50	100.6	90-110
GN55910-CCV4	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55910-CCV4	Sulfate	52.5	2.0	0.60	50	105.0	90-110
GN55910-CCB3	Chloride	0.80 U	2.0	0.80			
GN55910-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55910-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55910-CCV5	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN55910-CCV5	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55910-CCV5	Sulfate	52.6	2.0	0.60	50	105.2	90-110
GN55910-CCB4	Chloride	0.80 U	2.0	0.80			
GN55910-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55910-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55910-CCV6	Chloride	49.3	2.0	0.80	50	98.6	90-110
GN55910-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55910-CCV6	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN55910-CCB5	Chloride	0.80 U	2.0	0.80			
GN55910-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55910-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213060601.TXT Date Analyzed: 06/06/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56132
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:53	GN56132-CCV1	1		
10:09	GP21799-MB1	1		
10:26	GP21799-B1	1		
11:17	FA4828-1	1		(sample used for QC only; not part of login FA4914)
11:33	ZZZZZZ	1		
11:50	ZZZZZZ	25		
12:07	ZZZZZZ	25		
12:24	ZZZZZZ	10		
12:41	ZZZZZZ	10		
13:28	GN56132-CCV2	1		
13:45	GN56132-CCB1	1		
14:02	FA4914-1	10		
14:18	FA4914-2	25		
14:35	FA4914-3	1		
14:52	FA4914-4	25		
15:09	GP21799-S1	1		
15:26	GP21799-S2	1		
16:28	GN56132-CCV3	1		
16:44	GP21793-MB1	1		
17:05	GP21793-B1	1		
19:37	GN56132-CCV4	1		
19:54	GN56132-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4914
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213060601.TXT Date Analyzed: 06/06/13 Methods: EPA 300/SW846 9056A
Run ID: GN56132 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56132-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN56132-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56132-CCB1	Fluoride	0.060 U	0.20	0.060			
GN56132-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN56132-CCV4	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN56132-CCB2	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

06/10/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA4948

Sampling Date: 05/22/13

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: **71**

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: FA4948

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
FA4948-1	05/22/13	13:25	TP	05/24/13	AQ	Ground Water	A-34-022
FA4948-1F	05/22/13	13:25	TP	05/24/13	AQ	Ground Water	A-34-022
FA4948-2	05/22/13	14:55	TP	05/24/13	AQ	Ground Water	NW-9
FA4948-2F	05/22/13	14:55	TP	05/24/13	AQ	Ground Water	NW-9

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA4948

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 6/10/2013 1:18:07 PM

2 Sample(s) were collected on 05/22/2013 and were received at Accutest SE on 05/24/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA4948. 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:** MP25224

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) FA4912-2DUP, FA4912-2MS, FA4912-2MSD, FA4912-2PS, FA4912-2SDL 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 Iron, Selenium are outside control limits for sample MP25224-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Aluminum, Antimony, Iron, Potassium, Selenium are outside control limits for sample MP25224-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP25224-PS1 for Sodium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25224-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA4948-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA4948-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA4948-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.
FA4948-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA4948-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA4948-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN55918

All method blanks for this batch meet method specific criteria.

Sample(s) FA4948-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA4948-1, FA4948-2. Sample received outside the holding time.
FA4948-1, FA4948-2 for Specific Conductivity: Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21716

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) FA4929-4MS, FA4929-4MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA4948-1 for Chloride: Dilution required due to matrix interference.

FA4948-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21812

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) FA5189-1MS, FA5189-1MSD 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:** GP21711

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) FA4948-2FMS, FA4948-2FMSD were used as the QC samples for Phosphate, Ortho.

GP21711-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:** GP21762

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) FA5051-11DUP, FA5051-11MS, FA5051-11MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN55919

Sample(s) FA4945-1DUP was used as the QC sample for pH.

FA4948-1, FA4948-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN56016

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4911-5DUP, FA4911-5MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN56047

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4991-1DUP, FA4991-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55976

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4929-6DUP was used as the QC samples for Solids, Total Dissolved.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN55976-D1. RPD acceptable due to low duplicate and sample concentrations.

FA4948-1 for Solids, Total Dissolved: Confirmed by reanalysis in GN56048.

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: June 10, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA4948
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/22/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4948-1	**A-34-022**					
Aluminum		1260	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.254	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		2.97	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		612	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.48	0.050	0.010	mg/l	SW846 6010C
Iron		1320	1.5	0.15	mg/l	SW846 6010C
Magnesium		917	25	0.37	mg/l	SW846 6010C
Potassium		392	50	1.0	mg/l	SW846 6010C
Sodium		616	100	5.0	mg/l	SW846 6010C
Chloride [b]		121 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		5180	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		3690	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved [c]		20500	1000	100	mg/l	SM19 2540C
Specific Conductivity [d]		11200	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		11000	400	120	mg/l	EPA 300/SW846 9056A
pH [e]		2.30			su	SM 4500H B/SW 9040C
FA4948-1F	**A-34-022**					
Phosphate, Ortho		2400	500	95	mg/l	EPA 365.3
FA4948-2	**NW-9**					
Aluminum		3.21	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0013 J	0.0060	0.0013	mg/l	SW846 6010C
Arsenic		0.0039 J	0.010	0.0025	mg/l	SW846 6010C
Cadmium		0.0086	0.0050	0.00050	mg/l	SW846 6010C
Calcium		229	1.0	0.050	mg/l	SW846 6010C
Iron		0.205 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		94.8	5.0	0.074	mg/l	SW846 6010C
Potassium		7.49 J	10	0.20	mg/l	SW846 6010C
Selenium		0.0105	0.010	0.0020	mg/l	SW846 6010C
Sodium		65.8	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		245	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		245	5.0	0.60	mg/l	SM19 2320B
Chloride		85.3	10	4.0	mg/l	EPA 300/SW846 9056A
Fluoride		16.7	2.0	0.60	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		25.2	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		8.4	2.5	0.70	mg/l	EPA 365.3
Solids, Total Dissolved		1420	100	10	mg/l	SM19 2540C
Specific Conductivity [d]		1580	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		570	20	6.0	mg/l	EPA 300/SW846 9056A
pH [e]		6.97			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA4948
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/22/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4948-2F	**NW-9**					
Phosphate, Ortho		8.0	2.0	0.38	mg/l	EPA 365.3

(a) Elevated reporting limit(s) due to matrix interference.
(b) Dilution required due to matrix interference.
(c) Confirmed by reanalysis in GN56048.
(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:	FA4948-1	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		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	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	0.254	0.050	0.013	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	2.97	0.025	0.0025	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	612	5.0	0.25	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2.48	0.050	0.010	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	1320	1.5	0.15	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	917	25	0.37	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	392	50	1.0	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	616	100	5.0	mg/l	10	05/29/13	05/30/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10788
(2) Prep QC Batch: MP25224

(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:	FA4948-1	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		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	05/31/13 09:20	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	05/31/13 09:20	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	05/31/13 09:20	HH	SM19 2320B
Chloride [a]	121 J	200	80	mg/l	100	05/24/13 11:26	AA	EPA 300/SW846 9056A
Fluoride	5180	400	120	mg/l	2000	06/07/13 17:06	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	05/24/13 11:26	AA	EPA 300/SW846 9056A
Phosphorus, Total	3690	1000	280	mg/l	10000	06/03/13 10:02	LE	EPA 365.3
Solids, Total Dissolved [b]	20500	1000	100	mg/l	10	05/29/13 16:20	KC	SM19 2540C
Specific Conductivity [c]	11200	1.0	1.0	umhos/cm	1	05/24/13 13:35	LE	EPA 120.1
Sulfate	11000	400	120	mg/l	200	05/25/13 04:26	AA	EPA 300/SW846 9056A
pH [d]	2.30			su	1	05/24/13 13:40	LE	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Confirmed by reanalysis in GN56048.
(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:	FA4948-1F	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		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	2400	500	95	mg/l	5000	05/24/13 11:55	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	NW-9		
Lab Sample ID:	FA4948-2	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		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	3.21	0.20	0.015	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 J	0.0060	0.0013	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0039 J	0.010	0.0025	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.0086	0.0050	0.00050	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	229	1.0	0.050	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.205 J	0.30	0.029	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	94.8	5.0	0.074	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	7.49 J	10	0.20	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0105	0.010	0.0020	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	65.8	10	0.50	mg/l	1	05/29/13	05/29/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10784
(2) Prep QC Batch: MP25224

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	NW-9		
Lab Sample ID:	FA4948-2	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		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	245	5.0	5.0	mg/l	1	06/03/13 14:15	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/03/13 14:15	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	245	5.0	0.60	mg/l	1	06/03/13 14:15	AC	SM19 2320B
Chloride	85.3	10	4.0	mg/l	5	05/24/13 11:42	AA	EPA 300/SW846 9056A
Fluoride	16.7	2.0	0.60	mg/l	10	06/07/13 17:23	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	25.2	1.0	0.50	mg/l	10	05/24/13 12:16	AA	EPA 300/SW846 9056A
Phosphorus, Total	8.4	2.5	0.70	mg/l	25	06/03/13 10:02	LE	EPA 365.3
Solids, Total Dissolved	1420	100	10	mg/l	1	05/29/13 16:20	KC	SM19 2540C
Specific Conductivity [a]	1580	1.0	1.0	umhos/cm	1	05/24/13 13:35	LE	EPA 120.1
Sulfate	570	20	6.0	mg/l	10	05/24/13 12:16	AA	EPA 300/SW846 9056A
pH [b]	6.97			su	1	05/24/13 13:40	LE	SM 4500H B/SW 9040C

(a) Sample received outside the holding time.
(b) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	NW-9		
Lab Sample ID:	FA4948-2F	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		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	8.0	2.0	0.38	mg/l	20	05/24/13 11:55	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA4948

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Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: WSP ENV & ENG
Address: 705 W. Park St.
City: Jackson State: MO Zip: 63755
Project Contact: Tom Hull E-mail: Tom.Hull@wsp-usa.com
Phone#: 573-717-6757
Sampler(s) Name(s) (Printed): Tom Hull

Project Information

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

Analytical Information

SEE ATTACHED

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZNAC	DI WATER	MEOH	SEE ATTACHED	LAB USE ONLY
1	A-34-022	0-24-13	11:55	TRP	GW	4		X			X	X				X	
2	NWG	05-22-13	11:55	TRP	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	05-22-13 1200	2 FO	3 FO 05-24-13	945	4
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

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

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FA4948: Chain of Custody
Page 1 of 3

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.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA4948 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 05-24-13 945 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8010 3191 9170

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 ? ____

NUMBER OF 5035 FIELD KITS ? ____

NUMBER OR 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 Willen 05-24-13 REVIEWER SIGNATURE/DATE [signature] 05/23/13

NF 10/09 RECEIPT CONFIRMATION 100609 (2).xls

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FA4948: 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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:20	MA10784-STD1	1		STDA
08:23	MA10784-STD2	1		STDB
08:27	MA10784-STD3	1		STDC
08:31	MA10784-STD4	1		STDD
08:35	MA10784-HSTD1	1		
08:41	MA10784-ICV1	1		
08:52	MA10784-ICB1	1		
08:56	MA10784-CRIA1	1		
09:05	MA10784-ICSA1	1		
09:15	MA10784-ICSAB1	1		
09:22	MA10784-CCV1	1		
09:27	MA10784-CCB1	1		
09:32	MP25222-MB1	1		
09:37	MP25222-B1	1		
09:41	FA4827-1	1		(sample used for QC only; not part of login FA4948)
09:46	MP25222-D1	1		
09:50	MP25222-SD1	5		
09:54	MP25222-PS1	1		
09:59	MP25222-S1	1		
10:03	MP25222-S2	1		
10:07	ZZZZZZ	1		
10:12	ZZZZZZ	1		
10:16	MA10784-CCV2	1		
10:21	MA10784-CCB2	1		
10:25	ZZZZZZ	1		
10:30	ZZZZZZ	1		
10:34	ZZZZZZ	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		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:06	ZZZZZZ	1		
11:10	MA10784-CCV3	1		
11:14	MA10784-CCB3	1		
11:19	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:37	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:46	ZZZZZZ	1		
11:50	MP25224-MB1	1		
11:55	MP25224-B1	1		
11:59	FA4912-2	1		(sample used for QC only; not part of login FA4948)
12:04	MA10784-CCV4	1		
12:08	MA10784-CCB4	1		
12:13	MP25224-D1	1		
12:17	MP25224-SD1	5		
12:22	MP25224-PS1	1		
12:26	MP25224-S1	1		
12:31	MP25224-S2	1		
12:35	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	MA10784-CCV5	1		
13:02	MA10784-CCB5	1		
13:41	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:04	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	14:09	ZZZZZZ	1		
	14:13	ZZZZZZ	1		
	14:18	ZZZZZZ	1		
	14:22	ZZZZZZ	1		
	14:27	MA10784-CCV6	1		
	14:31	MA10784-CCB6	1		
	14:51	MA10784-CCV7	1		
	14:56	MA10784-CCB7	1		
	15:01	ZZZZZZ	1		
	15:05	ZZZZZZ	1		
	15:15	FA4948-2	1		
---------->	Last reportable sample/prep for job FA4948				
	15:19	MP25228-MB1	1		
	15:24	MP25228-B1	1		
	15:28	FA4969-1L	1		(sample used for QC only; not part of login FA4948)
	15:33	MP25228-D1	1		
	15:38	MP25228-SD1	5		
	15:42	MP25228-S1	1		
	15:47	MA10784-CCV8	1		
	15:51	MA10784-CCB8	1		
	15:55	MP25228-S2	1		
	16:00	ZZZZZZ	1		
	16:05	ZZZZZZ	1		
	16:09	ZZZZZZ	1		
	16:14	ZZZZZZ	1		
	16:19	ZZZZZZ	1		
	16:23	ZZZZZZ	1		
	16:28	ZZZZZZ	1		
	16:33	ZZZZZZ	1		
	16:37	ZZZZZZ	1		
	16:42	MA10784-CCV9	1		
	16:46	MA10784-CCB9	1		
	16:51	ZZZZZZ	1		
	16:55	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:00	ZZZZZZ	1		
17:04	MP25228-D2	1		
17:09	MP25228-MB2	1		
17:14	MP25228-B2	1		
17:18	MP25228-MB3	1		
17:23	MP25228-B3	1		
17:27	MA10784-CRIA2	1		
17:32	MA10784-ICSA2	1		
17:36	MA10784-CCV10	1		
17:41	MA10784-CCB10	1		
17:45	MA10784-ICSAB2	1		
17:50	MA10784-CCV11	1		
17:54	MA10784-CCB11	1		

----------> Last reportable CCB for job FA4948
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
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	MA10784-STD1	1923	22992	8875	1251
08:23	MA10784-STD2	1889	22784	8810	1191
08:27	MA10784-STD3	1827	22294	8678	1092
08:31	MA10784-STD4	1762	21641	8528	1011
08:35	MA10784-HSTD1	1767	21686	8523	1013
08:41	MA10784-ICV1	1806	21888	8512	1076
08:52	MA10784-ICB1	1899 R	22751 R	8698 R	1243 R
08:56	MA10784-CRIA1	1885	22574	8691	1208
09:05	MA10784-ICSA1	1667	20093	8108	934
09:15	MA10784-ICSAB1	1653	19886	8011	917
09:22	MA10784-CCV1	1802	21710	8465	1072
09:27	MA10784-CCB1	1870	22158	8444	1220
09:32	MP25222-MB1	1861	22167	8406	1216
09:37	MP25222-B1	1805	21512	8278	1107
09:41	FA4827-1	1828	21768	8458	1053
09:46	MP25222-D1	1842	22131	8655	1089
09:50	MP25222-SD1	1882	22609	8727	1179
09:54	MP25222-PS1	1802	21618	8471	1042
09:59	MP25222-S1	1776	21649	8503	1004
10:03	MP25222-S2	1781	21550	8404	1012
10:07	ZZZZZZ	1870	21933	8505	1083
10:12	ZZZZZZ	1843	22152	8631	1088
10:16	MA10784-CCV2	1824	22246	8581	1091
10:21	MA10784-CCB2	1902	22756	8661	1246
10:25	ZZZZZZ	1880	22476	8600	1207
10:30	ZZZZZZ	4052 !	49284 !	19513 !	1006
10:34	ZZZZZZ	2094	25474	10038	1087
10:39	ZZZZZZ	5242 !	63252 !	24755 !	1076
10:43	ZZZZZZ	2570 !	31180 !	12267 !	1077
10:48	ZZZZZZ	2306	27911	10943 !	1110
10:52	ZZZZZZ	2352	28317	11104 !	1097
10:57	ZZZZZZ	2475 !	29790 !	11715 !	1104
11:01	ZZZZZZ	2307	28184	11089 !	1032

INTERNAL STANDARD SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:06	ZZZZZZ	2168	26471	10423	1050
11:10	MA10784-CCV3	1836	22108	8733	1091
11:14	MA10784-CCB3	1913	22635	8773	1243
11:19	ZZZZZZ	2672 !	32431 !	12663 !	1075
11:23	ZZZZZZ	2848 !	34835 !	13671 !	1045
11:28	ZZZZZZ	2428 !	29777 !	11643 !	1085
11:32	ZZZZZZ	2292	27211	10690	1072
11:37	ZZZZZZ	2262	26955	10574	1082
11:41	ZZZZZZ	2359	28007	10988 !	1092
11:46	ZZZZZZ	1647	20312	8646	706 !
11:50	MP25224-MB1	1920	22818	8880	1250
11:55	MP25224-B1	1832	22025	8674	1129
11:59	FA4912-2	1706	20799	8161	1021
12:04	MA10784-CCV4	1812	21904	8616	1080
12:08	MA10784-CCB4	1906	22409	8753	1240
12:13	MP25224-D1	1679	20481	8443	1008
12:17	MP25224-SD1	1818	21793	8585	1147
12:22	MP25224-PS1	1690	20482	8289	1005
12:26	MP25224-S1	1681	20345	8300	979
12:31	MP25224-S2	1690	20849	8368	983
12:35	ZZZZZZ	1739	20512	8474	1071
12:40	ZZZZZZ	1714	20873	8571	1041
12:44	ZZZZZZ	1769	20923	8595	1097
12:49	ZZZZZZ	1763	21356	8420	1089
12:53	ZZZZZZ	1754	21211	8465	1071
12:58	MA10784-CCV5	1804	21602	8681	1068
13:02	MA10784-CCB5	1901	22367	8777	1231
13:41	ZZZZZZ	1836	21925	8663	1189
13:45	ZZZZZZ	1871	22303	8968	1220
13:50	ZZZZZZ	1566	19384	7885	913
13:54	ZZZZZZ	1594	19586	8035	921
13:59	ZZZZZZ	1864	22449	8779	1225
14:04	ZZZZZZ	1631	20199	8196	897

INTERNAL STANDARD SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:09	ZZZZZZ	1866	22559	8811	1219
14:13	ZZZZZZ	1824	22044	8610	1164
14:18	ZZZZZZ	1732	21408	8631	1033
14:22	ZZZZZZ	1772	22042	8599	1118
14:27	MA10784-CCV6	1798	21597	8596	1068
14:31	MA10784-CCB6	1883	22282	8691	1224
14:51	MA10784-CCV7	1768	21316	8506	1051
14:56	MA10784-CCB7	1862	22022	8620	1210
15:01	ZZZZZZ	2014	24241	9685	1080
15:05	ZZZZZZ	1759	21544	8606	1080
15:15	FA4948-2	1656	20406	8354	997
15:19	MP25228-MB1	1837	22101	8711	1203
15:24	MP25228-B1	1770	21400	8536	1091
15:28	FA4969-1L	1725	20791	8307	1054
15:33	MP25228-D1	1719	20945	8509	1055
15:38	MP25228-SD1	1804	21632	8616	1151
15:42	MP25228-S1	1717	20903	8596	1018
15:47	MA10784-CCV8	1747	21395	8518	1047
15:51	MA10784-CCB8	1805	21587	8499	1182
15:55	MP25228-S2	1705	21039	8492	1019
16:00	ZZZZZZ	1725	20699	8711	1071
16:05	ZZZZZZ	1742	21360	8364	1071
16:09	ZZZZZZ	1743	21360	8651	1074
16:14	ZZZZZZ	1732	21245	8532	1071
16:19	ZZZZZZ	1734	21298	8711	1073
16:23	ZZZZZZ	1744	21395	8654	1073
16:28	ZZZZZZ	1723	21207	8374	1062
16:33	ZZZZZZ	1710	21034	8449	1059
16:37	ZZZZZZ	1691	21011	8489	1039
16:42	MA10784-CCV9	1716	21187	8428	1032
16:46	MA10784-CCB9	1804	22078	8527	1188
16:51	ZZZZZZ	1685	20650	8211	1073
16:55	ZZZZZZ	1763	21803	8602	1185

INTERNAL STANDARD SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10784
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:00	ZZZZZZ	1789	21828	8502	1184
17:04	MP25228-D2	1707	21035	8479	1054
17:09	MP25228-MB2	1698	20892	8346	1059
17:14	MP25228-B2	1693	20651	8441	1016
17:18	MP25228-MB3	1791	21711	8659	1181
17:23	MP25228-B3	1743	21433	8488	1084
17:27	MA10784-CRIA2	1811	21961	8612	1169
17:32	MA10784-ICSA2	1581	19124	7944	894
17:36	MA10784-CCV10	1738	21361	8448	1044
17:41	MA10784-CCB10	1802	21660	8461	1182
17:45	MA10784-ICSAB2	1590	19414	7947	888
17:50	MA10784-CCV11	1742	21528	8461	1045
17:54	MA10784-CCB11	1827	22053	8572	1196

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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10784 Units: ug/l

Time:			08:52		09:27		10:21		11:14	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.8	<200	8.5	<200	9.8	<200	9.9	<200
Antimony	6.0	1.3	0.30	<6.0	-0.30	<6.0	0.50	<6.0	-0.60	<6.0
Arsenic	10	1.6	-1.3	<10	-1.6	<10	0.0	<10	-2.0	<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	0.10	<5.0
Calcium	1000	50	-1.0	<1000	3.5	<1000	7.0	<1000	3.0	<1000
Chromium	10	1.8	0.20	<10	0.40	<10	0.70	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-6.8	<300	9.2	<300	11.4	<300	8.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-21	<5000	-0.30	<5000	-26	<5000	-17	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-13	<10000	7.9	<10000	5.8	<10000	-15	<10000
Selenium	10	2	1.3	<10	1.9	<10	2.0	<10	3.1	<10
Silver	10	.5	anr							
Sodium	10000	500	-6.1	<10000	-2.3	<10000	-4.4	<10000	-3.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10784 Units: ug/l

Time:			12:08		13:02		14:31		14:56	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	11.2	<200	9.5	<200	16.5	<200	10.5	<200
Antimony	6.0	1.3	0.0	<6.0	0.30	<6.0	0.60	<6.0	-0.10	<6.0
Arsenic	10	1.6	-1.7	<10	-0.20	<10	-0.40	<10	0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.40	<5.0	0.40	<5.0	0.50	<5.0
Calcium	1000	50	11.3	<1000	11.1	<1000	13.2	<1000	10.2	<1000
Chromium	10	1.8	0.70	<10	0.80	<10	0.60	<10	0.80	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	8.4	<300	6.8	<300	10.8	<300	25.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-27	<5000	-25	<5000	-21	<5000	-7.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-4.7	<10000	-29	<10000	7.0	<10000	40.6	<10000
Selenium	10	2	-2.3	<10	3.0	<10	-0.10	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	5.8	<10000	13.9	<10000	14.4	<10000	10.5	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10784 Units: ug/l

Time:			15:51		16:46		17:41		17:54	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-1.3	<200	8.2	<200	10.4	<200	13.4	<200
Antimony	6.0	1.3	0.80	<6.0	0.80	<6.0	0.30	<6.0	0.50	<6.0
Arsenic	10	1.6	1.3	<10	1.2	<10	1.3	<10	1.5	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.50	<5.0	0.30	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	10.2	<1000	11.0	<1000	14.9	<1000	16.7	<1000
Chromium	10	1.8	0.70	<10	0.40	<10	0.40	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	28.5	<300	26.3	<300	26.2	<300	35.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.0	<5000	-14	<5000	-2.4	<5000	7.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	4.9	<10000	3.6	<10000	-0.80	<10000	18.6	<10000
Selenium	10	2	1.1	<10	-1.1	<10	-2.2	<10	-0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	74.1	<10000	68.3	<10000	58.8	<10000	61.8	<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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10784 Units: ug/l

Time:		08:41			09:22			10:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41100	102.8	40000	40700	101.8	40000	40500	101.3
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2070	103.5	2000	2080	104.0
Calcium	40000	41900	104.8	40000	41100	102.8	40000	41400	103.5
Chromium	2000	2070	103.5	2000	2070	103.5	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	42300	105.8	40000	41800	104.5	40000	42000	105.0
Lead	anr								
Magnesium	40000	39900	99.8	40000	40800	102.0	40000	41100	102.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41900	104.8	40000	40500	101.3	40000	40800	102.0
Selenium	2000	2050	102.5	2000	2040	102.0	2000	2050	102.5
Silver	anr								
Sodium	40000	42100	105.3	40000	40600	101.5	40000	41000	102.5
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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10784 Units: ug/l

Time:		11:10			12:04			12:58	
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	41100	102.8
Antimony	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Arsenic	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2080	104.0	2000	2070	103.5	2000	2060	103.0
Calcium	40000	42000	105.0	40000	41200	103.0	40000	41200	103.0
Chromium	2000	2120	106.0	2000	2080	104.0	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	42300	105.8	40000	41600	104.0	40000	41700	104.3
Lead	anr								
Magnesium	40000	41200	103.0	40000	40600	101.5	40000	40800	102.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40600	101.5	40000	40600	101.5	40000	40900	102.3
Selenium	2000	2040	102.0	2000	2050	102.5	2000	2060	103.0
Silver	anr								
Sodium	40000	40800	102.0	40000	40800	102.0	40000	41200	103.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10784 Units: ug/l

Time:		14:27			14:51			15:47	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	39700	99.3	40000	39300	98.3
Antimony	2000	2060	103.0	2000	1970	98.5	2000	2000	100.0
Arsenic	2000	2070	103.5	2000	1980	99.0	2000	2000	100.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2010	100.5	2000	2030	101.5
Calcium	40000	42300	105.8	40000	40000	100.0	40000	39700	99.3
Chromium	2000	2130	106.5	2000	2020	101.0	2000	2000	100.0
Cobalt	anr								
Copper	anr								
Iron	40000	42400	106.0	40000	40700	101.8	40000	40400	101.0
Lead	anr								
Magnesium	40000	41600	104.0	40000	39700	99.3	40000	39400	98.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41600	104.0	40000	39800	99.5	40000	39600	99.0
Selenium	2000	2080	104.0	2000	1980	99.0	2000	2010	100.5
Silver	anr								
Sodium	40000	41700	104.3	40000	39800	99.5	40000	39600	99.0
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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10784 Units: ug/l

Time:		16:42			17:36			17:50	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39400	98.5	40000	39500	98.8
Antimony	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Arsenic	2000	2030	101.5	2000	2010	100.5	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2040	102.0	2000	2050	102.5
Calcium	40000	39800	99.5	40000	39600	99.0	40000	39700	99.3
Chromium	2000	2020	101.0	2000	2010	100.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	40600	101.5	40000	40500	101.3
Lead	anr								
Magnesium	40000	39400	98.5	40000	39300	98.3	40000	39500	98.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40200	100.5	40000	39800	99.5	40000	39800	99.5
Selenium	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Silver	anr								
Sodium	40000	40300	100.8	40000	39800	99.5	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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10784 Units: ug/l

Time:		08:35	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80600	100.8
Antimony	4000	4030	100.8
Arsenic	4000	4040	101.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3990	99.8
Calcium	80000	80900	101.1
Chromium	4000	4010	100.3
Cobalt	anr		
Copper	anr		
Iron	80000	81000	101.3
Lead	anr		
Magnesium	80000	81200	101.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80500	100.6
Selenium	4000	4040	101.0
Silver	anr		
Sodium	80000	80700	100.9
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10784 Units: ug/l

Time:			08:56		17:27	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	211	105.5	201	100.5
Antimony	10	5.0	5.9	118.0	5.0	100.0
Arsenic	20	10	10.1	101.0	10.3	103.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.1	102.0	5.2	104.0
Calcium	2000	1000	1040	104.0	1010	101.0
Chromium	20	10	10.9	109.0	10.2	102.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	300	100.0	334	111.3
Lead	10	5.0	anr			
Magnesium	10000	5000	4930	98.6	4810	96.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10000	100.0	9940	99.4
Selenium	20	10	12.0	120.0	10.0	100.0
Silver	20	10	anr			
Sodium	20000	10000	9920	99.2	9830	98.3
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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA052913M1.ICP Date Analyzed: 05/29/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10784 Units: ug/l

Time:			09:05		09:15		17:32		17:45	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	522000	104.4	527000	105.4	512000	102.4	515000	103.0
Antimony		1000	0.0		1020	102.0	0.30		1020	102.0
Arsenic		1000	0.0		1040	104.0	-0.30		1040	104.0
Barium		500	0.20		522	104.4	0.30		519	103.8
Beryllium		500	0.0		506	101.2	-0.10		497	99.4
Cadmium		1000	0.10		924	92.4	1.2		919	91.9
Calcium	500000	500000	507000	101.4	512000	102.4	498000	99.6	503000	100.6
Chromium		500	0.40		474	94.8	-0.20		471	94.2
Cobalt		500	-1.1		458	91.6	-1.1		457	91.4
Copper		500	0.0		547	109.4	0.10		531	106.2
Iron	200000	200000	189000	94.5	199000	99.5	187000	93.5	195000	97.5
Lead		1000	-0.10		953	95.3	-1.6		932	93.2
Magnesium	500000	500000	527000	105.4	530000	106.0	518000	103.6	519000	103.8
Manganese		500	0.0		490	98.0	0.20		485	97.0
Molybdenum		1000	0.30		947	94.7	0.30		948	94.8
Nickel		1000	0.0		909	90.9	-0.20		902	90.2
Potassium			-1.4		-25		18.7		21.1	
Selenium		1000	0.0		984	98.4	-4.9		973	97.3
Silver		1000	0.70		986	98.6	0.10		984	98.4
Sodium			71.8		110		94.2		131	
Strontium		1000	12.1		1030	103.0	12.2		1020	102.0
Thallium		1000	0.0		941	94.1	3.7		922	92.2
Tin		1000	-1.9		925	92.5	0.20		916	91.6
Titanium		1000	-3.0		990	99.0	-2.2		974	97.4
Vanadium		500	0.30		479	95.8	0.20		472	94.4
Zinc		1000	-3.0		924	92.4	-0.30		923	92.3

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:17	MA10788-STD1	1		STDA
08:21	MA10788-STD2	1		STDB
08:25	MA10788-STD3	1		STDC
08:29	MA10788-STD4	1		STDD
08:35	MA10788-HSTD1	1		
08:43	MA10788-ICV1	1		
08:53	MA10788-ICB1	1		
08:57	MA10788-CRIA1	1		
09:11	MA10788-ICSA1	1		
09:18	MA10788-ICSAB1	1		
09:27	MA10788-CCV1	1		
09:34	MA10788-CCB1	1		
09:42	MP25230-MB1	1		
09:47	MP25230-B1	1		
09:51	FA5032-1	1		(sample used for QC only; not part of login FA4948)
09:55	MP25230-D1	1		
09:59	MP25230-SD1	5		
10:03	MP25230-PS1	1		
10:07	MP25230-S1	1		
10:11	MP25230-S2	1		
10:19	ZZZZZZ	1		
10:23	MA10788-CCV2	1		
10:27	MA10788-CCB2	1		
10:32	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:45	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:58	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:07	ZZZZZZ	5		
11:11	ZZZZZZ	50		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:15	MA10788-CCV3	1		
	11:20	MA10788-CCB3	1		
	11:24	ZZZZZZ	10		
	11:28	ZZZZZZ	2		
	11:32	ZZZZZZ	2		
	11:37	ZZZZZZ	20		
	11:41	ZZZZZZ	20		
	11:45	ZZZZZZ	2		
	11:54	ZZZZZZ	2		
	11:58	ZZZZZZ	20		
	12:03	ZZZZZZ	4		
	12:07	MA10788-CCV4	1		
	12:11	MA10788-CCB4	1		
	12:15	ZZZZZZ	5		
	12:20	ZZZZZZ	5		
	12:24	FA4948-1	10		
	12:28	FA4948-1	5		
---------->	Last reportable sample/prep for job FA4948				
	12:33	MP25223-B1	1		
	12:37	ZZZZZZ	5		
	12:41	ZZZZZZ	2		
	12:46	ZZZZZZ	4		
	12:50	ZZZZZZ	4		
	12:54	ZZZZZZ	5		
	12:58	MA10788-CCV5	1		
	13:02	MA10788-CCB5	1		
	13:07	ZZZZZZ	5		
	13:11	ZZZZZZ	5		
	13:15	ZZZZZZ	2		
	13:19	ZZZZZZ	4		
	13:23	ZZZZZZ	4		
	13:28	ZZZZZZ	4		
	13:32	ZZZZZZ	5		
	13:36	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:40	ZZZZZZ	4		
13:44	ZZZZZZ	4		
13:49	MA10788-CCV6	1		
13:53	MA10788-CCB6	1		
13:57	ZZZZZZ	4		
14:01	FA4840-2	5		(sample used for QC only; not part of login FA4948)
14:05	MP25227-D1	5		
14:10	MP25227-S1	5		
14:14	MP25227-S2	5		
14:18	MP25227-PS1	5		
14:22	MP25227-SD1	25		
14:26	ZZZZZZ	10		
14:31	ZZZZZZ	4		
14:35	ZZZZZZ	4		
14:44	MA10788-CCV7	1		
14:51	MA10788-CCB7	1		
14:55	ZZZZZZ	5		
14:59	ZZZZZZ	4		
15:03	ZZZZZZ	4		
15:08	ZZZZZZ	5		
15:12	ZZZZZZ	5		
15:16	ZZZZZZ	5		
15:20	ZZZZZZ	25		
15:25	ZZZZZZ	20		
15:29	ZZZZZZ	5		
15:33	ZZZZZZ	4		
15:37	MA10788-CCV8	1		
15:41	MA10788-CCB8	1		
15:46	ZZZZZZ	5		
15:50	ZZZZZZ	5		
15:54	ZZZZZZ	25		
15:58	ZZZZZZ	50		
16:02	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:07	MA10788-CRIA2	1		
	16:11	MA10788-ICSA2	1		
	16:15	MA10788-ICSAB2	1		
	16:20	MA10788-CCV9	1		
	16:24	MA10788-CCB9	1		
---------->	Last reportable CCB for job FA4948				
	Refer to raw data for calibration curve and standards.				

INTERNAL STANDARD SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:17	MA10788-STD1	6062	42340	10695	2747
08:21	MA10788-STD2	6057	41690	10773	2567
08:25	MA10788-STD3	5793	39475	10620	2294
08:29	MA10788-STD4	5567	38332	10373	2077
08:35	MA10788-HSTD1	5569	38290	10313	2077
08:43	MA10788-ICV1	5775	39485	10527	2278
08:53	MA10788-ICB1	6107 R	42248 R	10676 R	2758 R
08:57	MA10788-CRIA1	6023	41422	10688	2635
09:11	MA10788-ICSA1	5287	35098	10154	1983
09:18	MA10788-ICSAB1	5238	34993	10119	1931
09:27	MA10788-CCV1	5849	39690	10629	2284
09:34	MA10788-CCB1	6085	41997	10596	2728
09:42	MP25230-MB1	5942	41598	10455	2661
09:47	MP25230-B1	5767	39334	10323	2354
09:51	FA5032-1	6022	41345	10657	2526
09:55	MP25230-D1	6015	41469	10596	2529
09:59	MP25230-SD1	6140	42261	10688	2690
10:03	MP25230-PS1	5993	40908	10582	2441
10:07	MP25230-S1	5870	40004	10536	2295
10:11	MP25230-S2	5829	39575	10480	2289
10:19	ZZZZZZ	4422	30695	9437	1489 !
10:23	MA10788-CCV2	5850	39877	10501	2281
10:27	MA10788-CCB2	6108	42098	10632	2737
10:32	ZZZZZZ	8269	55355	14968	2195
10:36	ZZZZZZ	7429	50236	13700	2113
10:41	ZZZZZZ	9035 !	61604 !	16413 !	2215
10:45	ZZZZZZ	8851	60834	16026	2208
10:50	ZZZZZZ	7720 !	52482	13802 !	2372
10:54	ZZZZZZ	7191	48817	12931	2255
10:58	ZZZZZZ	7862	53635	14093	2286
11:03	ZZZZZZ	7609	51371	13863	2179
11:07	ZZZZZZ	8286	56513	14675	2416
11:11	ZZZZZZ	6159	41993	10645	2718

INTERNAL STANDARD SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:15	MA10788-CCV3	5807	39512	10432	2275
11:20	MA10788-CCB3	6084	42037	10562	2732
11:24	ZZZZZZ	7583	52044	13070	2602
11:28	ZZZZZZ	7630	52194	13527	2364
11:32	ZZZZZZ	7476	51009	13113	2460
11:37	ZZZZZZ	6025	41473	10737	2542
11:41	ZZZZZZ	5970	41020	10564	2530
11:45	ZZZZZZ	7949	54166	14082	2334
11:54	ZZZZZZ	7321	50307	13013	2375
11:58	ZZZZZZ	5725	39154	10311	2309
12:03	ZZZZZZ	5515	37903	10171	2284
12:07	MA10788-CCV4	5715	38923	10290	2241
12:11	MA10788-CCB4	6014	41550	10427	2721
12:15	ZZZZZZ	5666	38967	10315	2363
12:20	ZZZZZZ	5640	38710	10307	2308
12:24	FA4948-1	6088	41078	11008	2281
12:28	FA4948-1	6287	42394	11773	2077
12:33	MP25223-B1	5726	39408	10169	2379
12:37	ZZZZZZ	6697	45920	11695	2547
12:41	ZZZZZZ	6727	45898	12569	2087
12:46	ZZZZZZ	6593	45087	11570	2507
12:50	ZZZZZZ	6155	41832	11253	2196
12:54	ZZZZZZ	6682	45490	11663	2522
12:58	MA10788-CCV5	5747	39178	10275	2249
13:02	MA10788-CCB5	6048	41679	10472	2720
13:07	ZZZZZZ	5921	40177	10926	2111
13:11	ZZZZZZ	6579	44868	11521	2497
13:15	ZZZZZZ	7212	49199	12623	2402
13:19	ZZZZZZ	6778	46013	11783	2433
13:23	ZZZZZZ	6642	45332	11620	2460
13:28	ZZZZZZ	6836	46812	11982	2506
13:32	ZZZZZZ	7019	47765	12262	2488
13:36	ZZZZZZ	6145	41560	11021	2241

INTERNAL STANDARD SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:40	ZZZZZZ	6094	41174	11045	2200
13:44	ZZZZZZ	6839	46647	11894	2513
13:49	MA10788-CCV6	5843	39812	10478	2272
13:53	MA10788-CCB6	6061	41525	10399	2711
13:57	ZZZZZZ	6611	44994	11647	2425
14:01	FA4840-2	7092	48489	12402	2485
14:05	MP25227-D1	7014	47827	12228	2511
14:10	MP25227-S1	7265	49540	12780	2467
14:14	MP25227-S2	6905	47044	12217	2469
14:18	MP25227-PS1	7068	48290	12364	2476
14:22	MP25227-SD1	6360	43501	11030	2634
14:26	ZZZZZZ	6163	42547	10908	2600
14:31	ZZZZZZ	6610	45087	11620	2492
14:35	ZZZZZZ	6583	45168	11632	2462
14:44	MA10788-CCV7	5743	39014	10304	2240
14:51	MA10788-CCB7	6019	41241	10386	2698
14:55	ZZZZZZ	6762	45845	11860	2499
14:59	ZZZZZZ	6744	45851	11862	2412
15:03	ZZZZZZ	6557	44787	11556	2476
15:08	ZZZZZZ	6659	45224	11751	2440
15:12	ZZZZZZ	6768	46129	11862	2510
15:16	ZZZZZZ	5619	38133	10366	2154
15:20	ZZZZZZ	5707	39056	10345	2347
15:25	ZZZZZZ	6045	41389	10687	2604
15:29	ZZZZZZ	6547	44690	11640	2429
15:33	ZZZZZZ	6592	44735	11747	2410
15:37	MA10788-CCV8	5724	39054	10294	2252
15:41	MA10788-CCB8	5939	41035	10362	2685
15:46	ZZZZZZ	6457	44265	11458	2464
15:50	ZZZZZZ	6828	46412	12057	2445
15:54	ZZZZZZ	6005	41289	10647	2579
15:58	ZZZZZZ	5929	40632	10483	2571
16:02	ZZZZZZ	6479	44100	11438	2463

INTERNAL STANDARD SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10788
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:07	MA10788-CRIA2	5920	40553	10359	2589
16:11	MA10788-ICSA2	5164	34415	9834	1945
16:15	MA10788-ICSAB2	5116	34467	9849	1901
16:20	MA10788-CCV9	5693	38622	10207	2244
16:24	MA10788-CCB9	5959	41224	10395	2698

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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10788 Units: ug/l

Time:			08:53		09:34		10:27		11:20	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.4	<200	5.8	<200	6.1	<200	-0.10	<200
Antimony	20	1.3	-0.90	<20	-1.2	<20	-2.1	<20	-2.0	<20
Arsenic	10	1.6	0.80	<10	0.60	<10	1.2	<10	-0.30	<10
Barium	200	1	anr							
Beryllium	5.0	.5	anr							
Cadmium	4.0	.5	0.0	<4.0	0.10	<4.0	0.10	<4.0	0.10	<4.0
Calcium	5000	50	0.80	<5000	12.4	<5000	47.9	<5000	10.3	<5000
Chromium	10	1.8	-0.20	<10	0.0	<10	0.20	<10	-0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-1.5	<300	7.2	<300	7.3	<300	6.2	<300
Lead	20	1.1	anr							
Magnesium	5000	74	2.2	<5000	5.0	<5000	0.70	<5000	5.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	-16	<10000	2.8	<10000	45.3	<10000	4.3	<10000
Selenium	20	2	1.7	<20	1.1	<20	0.10	<20	0.30	<20
Silver	10	.5	anr							
Sodium	10000	500	-0.90	<10000	6.6	<10000	53.5	<10000	13.2	<10000
Strontium	10	.5	anr							
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10788 Units: ug/l

Time:			12:11		13:02		13:53		14:51	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.0	<200	-3.4	<200	-2.0	<200	0.10	<200
Antimony	20	1.3	-2.0	<20	-1.2	<20	-2.2	<20	-2.0	<20
Arsenic	10	1.6	0.70	<10	0.30	<10	0.30	<10	0.60	<10
Barium	200	1	anr							
Beryllium	5.0	.5								
Cadmium	4.0	.5	0.10	<4.0	0.0	<4.0	0.0	<4.0	0.10	<4.0
Calcium	5000	50	12.6	<5000	8.1	<5000	5.9	<5000	10.3	<5000
Chromium	10	1.8	0.0	<10	-0.20	<10	-0.20	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	6.2	<300	5.2	<300	2.6	<300	5.1	<300
Lead	20	1.1	anr							
Magnesium	5000	74	-5.1	<5000	-5.6	<5000	-1.5	<5000	-14	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	25.9	<10000	33.3	<10000	12.3	<10000	15.5	<10000
Selenium	20	2	0.60	<20	0.40	<20	-0.20	<20	1.4	<20
Silver	10	.5	anr							
Sodium	10000	500	10.4	<10000	17.2	<10000	7.4	<10000	12.1	<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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10788 Units: ug/l

Time:			15:41		16:24	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	3.8	<200	3.5	<200
Antimony	20	1.3	-2.1	<20	-2.0	<20
Arsenic	10	1.6	0.80	<10	0.0	<10
Barium	200	1	anr			
Beryllium	5.0	.5				
Cadmium	4.0	.5	0.20	<4.0	0.20	<4.0
Calcium	5000	50	8.7	<5000	12.4	<5000
Chromium	10	1.8	0.0	<10	0.20	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	7.0	<300	7.6	<300
Lead	20	1.1	anr			
Magnesium	5000	74	-0.20	<5000	11.8	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	33.8	<10000	24.4	<10000
Selenium	20	2	0.50	<20	0.30	<20
Silver	10	.5	anr			
Sodium	10000	500	11.7	<10000	14.2	<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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10788 Units: ug/l

Time:		08:43			09:27			10:23	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	39800	99.5	40000	40100	100.3
Antimony	2000	2000	100.0	2000	1950	97.5	2000	1950	97.5
Arsenic	2000	2010	100.5	2000	1960	98.0	2000	1970	98.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Calcium	40000	41800	104.5	40000	40000	100.0	40000	40900	102.3
Chromium	2000	2050	102.5	2000	2030	101.5	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	41600	104.0	40000	39600	99.0	40000	39900	99.8
Lead	anr								
Magnesium	40000	39800	99.5	40000	39400	98.5	40000	39900	99.8
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41300	103.3	40000	39200	98.0	40000	39800	99.5
Selenium	2000	2020	101.0	2000	1950	97.5	2000	1970	98.5
Silver	anr								
Sodium	40000	41600	104.0	40000	40000	100.0	40000	40600	101.5
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10788 Units: ug/l

Time:		11:15			12:07			12:58	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40300	100.8	40000	40200	100.5
Antimony	2000	1970	98.5	2000	2010	100.5	2000	1990	99.5
Arsenic	2000	1980	99.0	2000	2010	100.5	2000	2000	100.0
Barium	anr								
Beryllium									
Cadmium	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0
Calcium	40000	40300	100.8	40000	40500	101.3	40000	40300	100.8
Chromium	2000	2040	102.0	2000	2060	103.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	39700	99.3	40000	40300	100.8	40000	40100	100.3
Lead	anr								
Magnesium	40000	39500	98.8	40000	39800	99.5	40000	39700	99.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40000	100.0	40000	40200	100.5	40000	40400	101.0
Selenium	2000	1980	99.0	2000	2010	100.5	2000	2010	100.5
Silver	anr								
Sodium	40000	40600	101.5	40000	40800	102.0	40000	40900	102.3
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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10788 Units: ug/l

Time:		13:49			14:44			15:37	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	40300	100.8	40000	39900	99.8
Antimony	2000	1940	97.0	2000	1970	98.5	2000	1990	99.5
Arsenic	2000	1950	97.5	2000	1980	99.0	2000	1990	99.5
Barium	anr								
Beryllium									
Cadmium	2000	2010	100.5	2000	2040	102.0	2000	2040	102.0
Calcium	40000	39600	99.0	40000	40200	100.5	40000	39900	99.8
Chromium	2000	2010	100.5	2000	2050	102.5	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	39000	97.5	40000	39700	99.3	40000	39700	99.3
Lead	anr								
Magnesium	40000	38700	96.8	40000	39200	98.0	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39500	98.8	40000	40300	100.8	40000	40400	101.0
Selenium	2000	1950	97.5	2000	1990	99.5	2000	2000	100.0
Silver	anr								
Sodium	40000	40400	101.0	40000	41100	102.8	40000	40800	102.0
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10788 Units: ug/l

Time:		16:20	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	40100	100.3
Antimony	2000	2000	100.0
Arsenic	2000	1990	99.5
Barium	anr		
Beryllium			
Cadmium	2000	2040	102.0
Calcium	40000	40100	100.3
Chromium	2000	2060	103.0
Cobalt			
Copper	anr		
Iron	40000	39900	99.8
Lead	anr		
Magnesium	40000	39300	98.3
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	40700	101.8
Selenium	2000	2000	100.0
Silver	anr		
Sodium	40000	40900	102.3
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10788 Units: ug/l

Time:		08:35	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80400	100.5
Antimony	4000	4020	100.5
Arsenic	4000	4030	100.8
Barium	anr		
Beryllium	anr		
Cadmium	4000	3990	99.8
Calcium	80000	80100	100.1
Chromium	4000	4000	100.0
Cobalt	anr		
Copper	anr		
Iron	80000	80400	100.5
Lead	anr		
Magnesium	80000	80500	100.6
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	80800	101.0
Selenium	4000	4020	100.5
Silver	anr		
Sodium	80000	80500	100.6
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10788 Units: ug/l

Time:			08:57		16:07	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	204	102.0	205	102.5
Antimony	10	5.0	4.4	88.0	2.4	48.0*(a)
Arsenic	20	10	10.4	104.0	10.4	104.0
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	1040	104.0
Chromium	20	10	9.8	98.0	10.0	100.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	317	105.7	325	108.3
Lead	10	5.0	anr			
Magnesium	10000	5000	4950	99.0	4900	98.0
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	9750	97.5	9970	99.7
Selenium	20	10	11.7	117.0	9.8	98.0
Silver	20	10	anr			
Sodium	20000	10000	9910	99.1	10200	102.0
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB053013M1.ICP Date Analyzed: 05/30/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10788 Units: ug/l

Time:			09:11		09:18		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	507000	101.4	507000	101.4	508000	101.6	504000	100.8
Antimony		1000	0.40		1020	102.0	-1.0		1040	104.0
Arsenic		1000	-1.5		1040	104.0	0.10		1050	105.0
Barium		500	0.0		515	103.0	0.10		520	104.0
Beryllium		500	-0.10		503	100.6	-0.10		495	99.0
Cadmium		1000	0.0		928	92.8	0.40		938	93.8
Calcium	500000	500000	480000	96.0	478000	95.6	477000	95.4	470000	94.0
Chromium		500	0.30		485	97.0	0.20		486	97.2
Cobalt		500	0.50		459	91.8	0.40		466	93.2
Copper		500	0.0		530	106.0	-0.20		540	108.0
Iron	200000	200000	178000	89.0	188000	94.0	176000	88.0	186000	93.0
Lead		1000	-0.40		956	95.6	-1.7		955	95.5
Magnesium	500000	500000	497000	99.4	498000	99.6	489000	97.8	490000	98.0
Manganese		500	-0.10		487	97.4	0.0		489	97.8
Molybdenum		1000	-0.40		944	94.4	-0.50		955	95.5
Nickel		1000	0.30		896	89.6	0.10		911	91.1
Potassium			33.2		33.6		66.8		33.9	
Selenium		1000	-1.2		979	97.9	-2.3		1010	101.0
Silver		1000	0.20		984	98.4	0.20		992	99.2
Sodium			93.5		119		130		117	
Strontium		1000	11.9		1030	103.0	12.4		1040	104.0
Thallium		1000	-1.2		973	97.3	-1.2		975	97.5
Tin		1000	-0.90		920	92.0	0.10		932	93.2
Titanium		1000	-4.2		1020	102.0	-4.2		1030	103.0
Vanadium		500	-0.20		480	96.0	-0.30		484	96.8
Zinc		1000	0.30		931	93.1	2.3		933	93.3

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	9.5	<200
Antimony	6.0	1.3	1.3	0.0	<6.0
Arsenic	10	1.6	2.5	-2.4	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	219	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-4.7	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-18	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-7.4	<10000
Selenium	10	2	2	3.1	<10
Silver	10	.5	.5		
Sodium	10000	500	500	-4.7	<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 MP25224: FA4948-1, FA4948-2

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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13 05/29/13

Metal	FA4912-2 Original	DUP	RPD	QC Limits	FA4912-2 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	154	129	17.7	0-20	154	30800	27000	113.5	80-120
Antimony	2.3	2.4	4.3	0-20	2.3	580	500	115.5	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2330	2000	116.5	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	53.5	50	107.0	80-120
Calcium	300000	270000	10.5	0-20	300000	305000	25000	20.0 (c)	80-120
Chromium	0.0	0.0	NC	0-20	0.0	229	200	114.5	80-120
Cobalt	anr								
Copper	anr								
Iron	119	87.7	30.3 (a)	0-20	119	29000	26000	111.1	80-120
Lead	anr								
Magnesium	50300	45200	10.7	0-20	50300	74300	25000	96.0	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	638	575	10.4	0-20	638	29900	25000	117.0	80-120
Selenium	2.6	3.9	40.0 (a)	0-20	2.6	2310	2000	115.4	80-120
Silver	anr								
Sodium	156000	147000(b	5.9	0-20	156000	178000(b	25000	88.0	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP25224: FA4948-1, FA4948-2

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) Above linear range.
(c) 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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13

Metal	FA4912-2 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	154	30000	27000	110.5	2.6	20
Antimony	2.3	559	500	111.3	3.7	20
Arsenic	0.0	2240	2000	112.0	3.9	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	51.8	50	103.6	3.2	20
Calcium	300000	306000	25000	24.0 (a)	0.3	20
Chromium	0.0	216	200	108.0	5.8	20
Cobalt	anr					
Copper	anr					
Iron	119	28200	26000	108.0	2.8	20
Lead	anr					
Magnesium	50300	73900	25000	94.4	0.5	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	638	29200	25000	114.2	2.4	20
Selenium	2.6	2250	2000	112.4	2.6	20
Silver	anr					
Sodium	156000	176000(b	25000	80.0	1.1	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP25224: FA4948-1, FA4948-2

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.
(b) Above linear range.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28300	27000	104.8	80-120
Antimony	530	500	106.0	80-120
Arsenic	2120	2000	106.0	80-120
Barium	anr			
Beryllium	anr			
Cadmium	53.3	50	106.6	80-120
Calcium	26500	25000	106.0	80-120
Chromium	222	200	111.0	80-120
Cobalt	anr			
Copper	anr			
Iron	28100	26000	108.1	80-120
Lead	anr			
Magnesium	25500	25000	102.0	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	26700	25000	106.8	80-120
Selenium	2100	2000	105.0	80-120
Silver	anr			
Sodium	26600	25000	106.4	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25224: FA4948-1, FA4948-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13

Metal	FA4912-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	154	173	12.5 (a)	0-10
Antimony	2.30	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	300000	303000	0.9	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	anr			
Copper	anr			
Iron	119	0.00	100.0(a)	0-10
Lead	anr			
Magnesium	50300	49700	1.3	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	638	0.00	100.0(a)	0-10
Selenium	2.60	0.00	100.0(a)	0-10
Silver	anr			
Sodium	156000	157000	1.0	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25224: FA4948-1, FA4948-2

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: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/13

Metal	Sample ml	Final ml	FA4912-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	153.8	150.724	2802	0.2	125	2500	106.1	80-120
Antimony	9.8	10	2.3	2.254	110.5	0.2	5	100	108.2	80-120
Arsenic	9.8	10	0	0	110	0.2	5	100	110.0	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	52.6	0.2	2.5	50	105.2	80-120
Calcium	9.8	10	300300	294294	293300	0.2	250	5000	-19.9*(a	80-120
Chromium	9.8	10	0	0	54.2	0.2	2.5	50	108.4	80-120
Cobalt										
Copper										
Iron	9.8	10	119.4	117.012	3294	0.2	150	3000	105.9	80-120
Lead										
Magnesium	9.8	10	50340	49333.2	53590	0.2	250	5000	85.1	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	637.8	625.044	12000	0.2	500	10000	113.7	80-120
Selenium	9.8	10	2.6	2.548	111.5	0.2	5	100	109.0	80-120
Silver										
Sodium	9.8	10	155800	152684	165300	0.2	500	10000	126.2*(a	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25224: FA4948-1, FA4948-2

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: FA4948
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	GN56016	5.0	2.5	mg/l	250	262	104.8	90-113%
Alkalinity, Total as CaCO3	GN56047	5.0	0.80	mg/l	250	252	101.0	90-113%
Chloride	GP21716/GN55937	2.0	0.0	mg/l	50	50.3	100.6	90-110%
Fluoride	GP21812/GN56151	0.20	0.0	mg/l	2.5	2.30	92.0	90-110%
Nitrogen, Nitrate	GP21716/GN55937	0.10	0.0	mg/l	2.5	2.34	93.6	90-110%
Nitrogen, Nitrite	GP21716/GN55937	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Phosphate, Ortho	GP21711/GN55922	0.10	0.0	mg/l	.300	0.32	107.0	83-116%
Phosphorus, Total	GP21762/GN56052	0.10	0.0	mg/l	.300	0.30	98.9	81-118%
Solids, Total Dissolved	GN55976	100	0.0	mg/l				
Specific Conductivity	GN55918	1.0	0.0	umhos/cm				
Sulfate	GP21716/GN55937	2.0	0.0	mg/l	50	45.5	91.0	90-110%

Associated Samples:
Batch GN55918: FA4948-1, FA4948-2
Batch GN55976: FA4948-1, FA4948-2
Batch GN56016: FA4948-1
Batch GN56047: FA4948-2
Batch GP21711: FA4948-1F, FA4948-2F
Batch GP21716: FA4948-1, FA4948-2
Batch GP21762: FA4948-1, FA4948-2
Batch GP21812: FA4948-1, FA4948-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4948
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	GN56016	FA4911-5	mg/l	26.4	22.4	16.4	0-20%
Alkalinity, Total as CaCO3	GN56047	FA4991-1	mg/l	70.9	71.2	0.4	0-20%
Phosphorus, Total	GP21762/GN56052	FA5051-11	mg/l	0.043	0.048	9.6	0-22%
Solids, Total Dissolved	GN55976	FA4929-6	mg/l	43.0	39.0	9.8(a)	0-5%
Specific Conductivity	GN55918	FA4948-1	umhos/cm	11200	11300	1.7	0-10%
pH	GN55919	FA4945-1	su	7.09	7.05	0.6	0-10%

Associated Samples:
Batch GN55918: FA4948-1, FA4948-2
Batch GN55919: FA4948-1, FA4948-2
Batch GN55976: FA4948-1, FA4948-2
Batch GN56016: FA4948-1
Batch GN56047: FA4948-2
Batch GP21762: FA4948-1, FA4948-2
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4948
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	GN56016	FA4911-5	mg/l	26.4	250	270	97.3	90-113%
Alkalinity, Total as CaCO3	GN56047	FA4991-1	mg/l	70.9	250	314	97.4	90-113%
Chloride	GP21716/GN55937	FA4929-4	mg/l	49.6	50	99.7	100.2	90-110%
Fluoride	GP21812/GN56151	FA5189-1	mg/l	0.91	2.5	4.2	131.6N(a)	90-110%
Nitrogen, Nitrate	GP21716/GN55937	FA4929-4	mg/l	0.050 U	2.5	2.6	104.0	90-110%
Nitrogen, Nitrite	GP21716/GN55937	FA4929-4	mg/l	0.050 U	2.5	2.8	112.0N(a)	90-110%
Phosphate, Ortho	GP21711/GN55922	FA4948-2F	mg/l	8.0	.300	14.8	45.8(a)	83-116%
Phosphorus, Total	GP21762/GN56052	FA5051-11	mg/l	0.043	.300	0.30	86.6	81-118%
Sulfate	GP21716/GN55937	FA4929-4	mg/l	2.0	50	52.1	100.2	90-110%

Associated Samples:
Batch GN56016: FA4948-1
Batch GN56047: FA4948-2
Batch GP21711: FA4948-1F, FA4948-2F
Batch GP21716: FA4948-1, FA4948-2
Batch GP21762: FA4948-1, FA4948-2
Batch GP21812: FA4948-1, FA4948-2
(*) 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: FA4948
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	GP21716/GN55937	FA4929-4	mg/l	49.6	50	99.8	0.1	20%
Fluoride	GP21812/GN56151	FA5189-1	mg/l	0.91	2.5	4.3	2.4	20%
Nitrogen, Nitrate	GP21716/GN55937	FA4929-4	mg/l	0.050 U	2.5	2.6	0.0	20%
Nitrogen, Nitrite	GP21716/GN55937	FA4929-4	mg/l	0.050 U	2.5	2.7	3.6	20%
Phosphate, Ortho	GP21711/GN55922	FA4948-2F	mg/l	8.0	.300	14.5	2.1	26%
Phosphorus, Total	GP21762/GN56052	FA5051-11	mg/l	0.043	.300	0.312	2.9	22%
Sulfate	GP21716/GN55937	FA4929-4	mg/l	2.0	50	52.4	0.6	20%

Associated Samples:
Batch GP21711: FA4948-1F, FA4948-2F
Batch GP21716: FA4948-1, FA4948-2
Batch GP21762: FA4948-1, FA4948-2
Batch GP21812: FA4948-1, FA4948-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313240501.TXT Date Analyzed: 05/24/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55937
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:52	GN55937-CCV1	1		
09:16	GP21716-MB1	1		
10:23	GP21716-B1	1		
11:26	FA4948-1	100		
11:42	FA4948-2	5		
11:59	ZZZZZZ	1		
12:16	FA4948-2	10		
12:39	ZZZZZZ	50		
12:55	FA4929-4	1		(sample used for QC only; not part of login FA4948)
13:12	GN55937-CCV2	1		
13:29	GN55937-CCB1	1		
13:46	FA4929-5	1		(sample used for QC only; not part of login FA4948)
14:03	ZZZZZZ	1		
14:20	ZZZZZZ	25		
14:36	ZZZZZZ	10		
14:53	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:27	ZZZZZZ	5		
15:44	ZZZZZZ	25		
16:01	ZZZZZZ	1		
16:18	ZZZZZZ	2		
16:35	GN55937-CCV3	1		
16:52	GN55937-CCB2	1		
17:09	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:42	ZZZZZZ	2		
17:59	ZZZZZZ	1		
18:16	ZZZZZZ	1		
18:33	ZZZZZZ	1		
18:50	GP21716-S1	1		
19:07	GP21716-S2	1		
19:24	GP21716-S3	1		
19:41	GP21716-S4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313240501.TXT Date Analyzed: 05/24/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55937
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:58	GN55937-CCV4	1		
20:15	GN55937-CCB3	1		
20:32	ZZZZZZ	2		
20:49	GP21700-S1	1		
21:06	GP21700-S2	1		
21:23	GP21700-S3	1		
21:39	GP21700-S4	1		
21:56	GP21707-S1	1		
22:13	GP21707-S2	1		
22:30	GP21707-S3	1		
22:47	GP21707-S4	1		
23:04	GN55937-CCV5	1		
23:21	GP21717-MB1	1		
23:38	GP21717-B1	1		
00:29	ZZZZZZ	25		
00:46	ZZZZZZ	10		
01:03	ZZZZZZ	5		
01:37	ZZZZZZ	10		
02:11	GN55937-CCV6	1		
02:28	GN55937-CCB4	1		
03:01	ZZZZZZ	5		
03:35	ZZZZZZ	1		
04:26	FA4948-1	200		
04:43	GN55937-CCV7	1		
05:00	GN55937-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313240501.TXT Date Analyzed: 05/24/13 Methods: EPA 300/SW846 9056A
Run ID: GN55937 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55937-CCV1	Chloride	48.6	2.0	0.80	50	97.2	90-110
GN55937-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN55937-CCV1	Sulfate	46.5	2.0	0.60	50	93.0	90-110
GN55937-CCV2	Chloride	49.1	2.0	0.80	50	98.2	90-110
GN55937-CCV2	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55937-CCV2	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN55937-CCB1	Chloride	0.80 U	2.0	0.80			
GN55937-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55937-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55937-CCV3	Chloride	48.9	2.0	0.80	50	97.8	90-110
GN55937-CCV3	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55937-CCV3	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN55937-CCB2	Chloride	0.80 U	2.0	0.80			
GN55937-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55937-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55937-CCV4	Chloride	49.2	2.0	0.80	50	98.4	90-110
GN55937-CCV4	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55937-CCV4	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN55937-CCB3	Chloride	0.80 U	2.0	0.80			
GN55937-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55937-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55937-CCV5	Chloride	48.7	2.0	0.80	50	97.4	90-110
GN55937-CCV5	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55937-CCV5	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN55937-CCV6	Chloride	49.2	2.0	0.80	50	98.4	90-110
GN55937-CCV6	Sulfate	51.7	2.0	0.60	50	103.4	90-110
GN55937-CCB4	Chloride	0.80 U	2.0	0.80			
GN55937-CCB4	Sulfate	0.60 U	2.0	0.60			
GN55937-CCV7	Chloride	49.1	2.0	0.80	50	98.2	90-110
GN55937-CCV7	Sulfate	47.7	2.0	0.60	50	95.4	90-110
GN55937-CCB5	Chloride	0.80 U	2.0	0.80			
GN55937-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213070601.TXT Date Analyzed: 06/07/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56151
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:18	GN56151-CCV1	1		
10:34	GP21812-MB1	1		
10:51	GP21812-B1	1		
11:45	ZZZZZZ	1000		
12:01	ZZZZZZ	1000		
12:18	ZZZZZZ	1000		
12:35	ZZZZZZ	1000		
13:11	ZZZZZZ	25		
13:44	GN56151-CCV2	1		
14:01	GN56151-CCB1	1		
14:18	ZZZZZZ	25		
14:35	FA5161-7	25		(sample used for QC only; not part of login FA4948)
14:52	ZZZZZZ	25		
15:09	ZZZZZZ	1		
15:26	GP21793-S1	25		
15:42	GP21793-S2	25		
16:16	GN56151-CCV3	1		
16:33	GN56151-CCB2	1		
16:50	FA5189-1	1		(sample used for QC only; not part of login FA4948)
17:06	FA4948-1	2000		
17:23	FA4948-2	10		
17:40	ZZZZZZ	10		
17:57	ZZZZZZ	10		
18:14	GP21812-S1	1		
18:31	GP21812-S2	1		
18:48	GN56151-CCV4	1		
19:05	GN56151-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4948
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213070601.TXT Date Analyzed: 06/07/13 Methods: EPA 300/SW846 9056A
Run ID: GN56151 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56151-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN56151-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56151-CCB1	Fluoride	0.060 U	0.20	0.060			
GN56151-CCV3	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN56151-CCB2	Fluoride	0.060 U	0.20	0.060			
GN56151-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56151-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

06/10/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA4991

Sampling Date: 05/23/13

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: **95**

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: FA4991

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
FA4991-1	05/23/13	14:50	TP	05/25/13	AQ	Ground Water	MW A
FA4991-1F	05/23/13	14:50	TP	05/25/13	AQ	Groundwater Filtered	MW A
FA4991-2	05/23/13	13:15	TP	05/25/13	AQ	Ground Water	MW B
FA4991-2F	05/23/13	13:15	TP	05/25/13	AQ	Groundwater Filtered	MW B

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA4991

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 6/10/2013 1:21:20 PM

2 Sample(s) were collected on 05/23/2013 and were received at Accutest SE on 05/25/2013 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of FA4991. 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:** MP25247

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) FA5089-1DUP, FA5089-1MS, FA5089-1MSD, FA5089-1PS, FA5089-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Aluminum, Potassium are outside control limits for sample MP25247-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP25247-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:** GN55927

Sample(s) FA4991-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA4991-1, FA4991-2. Sample received outside the holding time.
FA4991-1, FA4991-2for Specific Conductivity: Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21737

All method blanks for this batch meet method specific criteria.

Sample(s) FA4980-1MS, FA4980-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA4991-1 for Nitrogen, Nitrate: Originally ran on GN55957. Re-run on dilution beyond hold-time.

FA4991-2 for Nitrogen, Nitrate: Sample collection time is CST; analysis time is EST.

Matrix: AQ **Batch ID:** GP21812

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) FA5189-1MSD, FA5189-1MS 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:** GP21719

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) FA4991-1FMS, FA4991-1FMSD were used as the QC samples for Phosphate, Ortho.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21770

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) FA5189-1DUP, FA5189-1MS, FA5189-1MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN55926

Sample(s) FA4991-1DUP was used as the QC sample for pH.

FA4991-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA4991-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN56047

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4991-1DUP, FA4991-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN56001

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA4991-2DUP was used as the QC sample for Solids, Total Dissolved.

FA4991-1 for Solids, Total Dissolved: Confirmed by reanalysis in GN56048.

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: June 10, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA4991
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/23/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4991-1	**MW A**					
Aluminum		2.91	0.20	0.015	mg/l	SW846 6010C
Arsenic		0.0062 J	0.010	0.0025	mg/l	SW846 6010C
Cadmium		0.0199	0.0050	0.00050	mg/l	SW846 6010C
Calcium		346	1.0	0.050	mg/l	SW846 6010C
Iron		0.0978 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		241	5.0	0.074	mg/l	SW846 6010C
Potassium		24.0	10	0.20	mg/l	SW846 6010C
Selenium		0.0040 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		156	40	2.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		70.9	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		70.9	5.0	0.60	mg/l	SM19 2320B
Chloride		935	20	8.0	mg/l	EPA 300/SW846 9056A
Fluoride		18.3	2.0	0.60	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]		213	20	10	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		16.0	5.0	1.4	mg/l	EPA 365.3
Solids, Total Dissolved [b]		4630	100	10	mg/l	SM19 2540C
Specific Conductivity [c]		3530	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		808	400	120	mg/l	EPA 300/SW846 9056A
pH [d]		5.50			su	SM 4500H B/SW 9040C
FA4991-1F	**MW A**					
Phosphate, Ortho		15.0	5.0	0.95	mg/l	EPA 365.3
FA4991-2	**MW B**					
Aluminum		0.450	0.20	0.015	mg/l	SW846 6010C
Cadmium		0.0020 J	0.0050	0.00050	mg/l	SW846 6010C
Calcium		140	1.0	0.050	mg/l	SW846 6010C
Magnesium		53.3	5.0	0.074	mg/l	SW846 6010C
Potassium		4.50 J	10	0.20	mg/l	SW846 6010C
Selenium		0.0239	0.010	0.0020	mg/l	SW846 6010C
Sodium		30.5	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		243	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		243	5.0	0.60	mg/l	SM19 2320B
Chloride		27.0	4.0	1.6	mg/l	EPA 300/SW846 9056A
Fluoride		19.7	2.0	0.60	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [e]		3.1	0.20	0.10	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		1.7	0.50	0.14	mg/l	EPA 365.3
Solids, Total Dissolved		920	100	10	mg/l	SM19 2540C
Specific Conductivity [c]		923	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		252	10	3.0	mg/l	EPA 300/SW846 9056A
pH [d]		6.75			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA4991
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/23/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA4991-2F	**MW B**					
Phosphate, Ortho		1.6	0.50	0.095	mg/l	EPA 365.3

(a) Originally ran on GN55957. Re-run on dilution beyond holdtime.
(b) Confirmed by reanalysis in GN56048.
(c) Sample received outside the holding time.
(d) Field analysis required. Received out of hold time and analyzed by request.
(e) Sample collection time is CST; analysis time is EST.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW A		
Lab Sample ID:	FA4991-1	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		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	2.91	0.20	0.015	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0062 J	0.010	0.0025	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.0199	0.0050	0.00050	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	346	1.0	0.050	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.0978 J	0.30	0.029	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	241	5.0	0.074	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	24.0	10	0.20	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0040 J	0.010	0.0020	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	156	40	2.0	mg/l	4	06/03/13	06/04/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10794
(2) Instrument QC Batch: MA10796
(3) Prep QC Batch: MP25247

RL = 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		
Lab Sample ID:	FA4991-1	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		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	70.9	5.0	5.0	mg/l	1	06/03/13 14:15	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/03/13 14:15	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	70.9	5.0	0.60	mg/l	1	06/03/13 14:15	AC	SM19 2320B
Chloride	935	20	8.0	mg/l	10	05/25/13 13:01	AA	EPA 300/SW846 9056A
Fluoride	18.3	2.0	0.60	mg/l	10	06/07/13 17:40	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	213	20	10	mg/l	200	05/28/13 14:36	AA	EPA 300/SW846 9056A
Phosphorus, Total	16.0	5.0	1.4	mg/l	50	06/05/13 07:35	LE	EPA 365.3
Solids, Total Dissolved [b]	4630	100	10	mg/l	1	05/30/13 15:25	KC	SM19 2540C
Specific Conductivity [c]	3530	1.0	1.0	umhos/cm	1	05/25/13 13:00	AC	EPA 120.1
Sulfate	808	400	120	mg/l	200	05/28/13 14:36	AA	EPA 300/SW846 9056A
pH [d]	5.50			su	1	05/25/13 13:15	HH	SM 4500H B/SW 9040C

(a) Originally ran on GN55957. Re-run on dilution beyond holdtime.
(b) Confirmed by reanalysis in GN56048.
(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:	MW A		
Lab Sample ID:	FA4991-1F	**Date Sampled:**	05/23/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	05/25/13
		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	15.0	5.0	0.95	mg/l	50	05/25/13 13:00	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 B		
Lab Sample ID:	FA4991-2	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		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	0.450	0.20	0.015	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.0020 J	0.0050	0.00050	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	140	1.0	0.050	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.029 U	0.30	0.029	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	53.3	5.0	0.074	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	4.50 J	10	0.20	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0239	0.010	0.0020	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	30.5	10	0.50	mg/l	1	06/03/13	06/03/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10794
(2) Prep QC Batch: MP25247

RL = 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 B		
Lab Sample ID:	FA4991-2	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		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	06/03/13 14:15	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/03/13 14:15	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	243	5.0	0.60	mg/l	1	06/03/13 14:15	AC	SM19 2320B
Chloride	27.0	4.0	1.6	mg/l	2	05/25/13 13:18	AA	EPA 300/SW846 9056A
Fluoride	19.7	2.0	0.60	mg/l	10	06/07/13 17:57	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	3.1	0.20	0.10	mg/l	2	05/25/13 13:18	AA	EPA 300/SW846 9056A
Phosphorus, Total	1.7	0.50	0.14	mg/l	5	06/05/13 07:35	LE	EPA 365.3
Solids, Total Dissolved	920	100	10	mg/l	1	05/30/13 15:25	KC	SM19 2540C
Specific Conductivity [b]	923	1.0	1.0	umhos/cm	1	05/25/13 13:00	AC	EPA 120.1
Sulfate	252	10	3.0	mg/l	5	05/29/13 12:50	AA	EPA 300/SW846 9056A
pH [c]	6.75			su	1	05/25/13 13:15	HH	SM 4500H B/SW 9040C

(a) Sample collection time is CST; analysis time is EST.
(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 B		
Lab Sample ID:	FA4991-2F	**Date Sampled:**	05/23/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	1.6	0.50	0.095	mg/l	5	05/25/13 13:00	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 # FA4991 PAGE ____ OF ____

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: T.mihuff@wspgroup.com
Phone#: 573-212-6755
Sampler(s) Name(s) (Printed): Tyson Pattie

Project Information

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

Analytical Information

SEE ATTACHED

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	SEE ATTACHED	LAB USE ONLY
1	MWA	052313	1450	TRP	GW	4		X			X	X				X	
2	MWB	052313	1315	TRP	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 Tyson Pattie	052313 1650	2 FO	3 FO 05-25-13	915	4 [illegible]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2-4

FA4991: Chain of Custody
Page 1 of 3

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.

SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA4991 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 05-25-13 915 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8010 3191 9180

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.0
- [ ] CORRECTED TEMPS: 2.4

SAMPLE INFORMATION

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

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE R Wilk 05-25-13 REVIEWER SIGNATURE/DATE 05/25/13

NF 12/10

receipt confirmation 122910.xls

5.1 5

FA4991: Chain of Custody
Page 3 of 3

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:03	MA10794-STD1	1		STDA
08:08	MA10794-STD2	1		STDB
08:11	MA10794-STD3	1		STDC
08:15	MA10794-STD4	1		STDD
08:19	MA10794-HSTD1	1		
08:30	MA10794-ICV1	1		
08:38	MA10794-ICB1	1		
08:42	MA10794-CRIA1	1		
08:53	MA10794-ICSA1	1		
09:01	MA10794-ICSAB1	1		
09:11	MA10794-CCV1	1		
09:18	MA10794-CCB1	1		
09:22	MP25244-MB1	1		
09:27	MP25244-B1	1		
09:30	FA5072-2	1		(sample used for QC only; not part of login FA4991)
09:35	MP25244-D1	1		
09:39	MP25244-SD1	5		
09:43	MP25244-PS1	1		
09:47	MP25244-S1	1		
09:52	MP25244-S2	1		
09:56	ZZZZZZ	1		
10:00	ZZZZZZ	1		
10:05	MA10794-CCV2	1		
10:09	MA10794-CCB2	1		
10:13	ZZZZZZ	1		
10:17	ZZZZZZ	1		
10:22	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:30	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:39	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:47	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
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	MA10794-CCV3	1		
11:00	MA10794-CCB3	1		
11:04	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:17	ZZZZZZ	1		
11:22	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:30	ZZZZZZ	1		
11:34	MP25245-MB1	1		
11:39	MP25245-B1	1		
11:43	FA5113-9	1		(sample used for QC only; not part of login FA4991)
11:47	MA10794-CCV4	1		
11:51	MA10794-CCB4	1		
11:55	MP25245-D1	1		
11:59	MP25245-SD1	5		
12:04	MP25245-PS1	1		
12:08	MP25245-S1	1		
12:12	MP25245-S2	1		
12:16	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:37	MA10794-CCV5	1		
12:41	MA10794-CCB5	1		
13:22	MA10794-CCV6	1		
13:35	MA10794-CCB6	1		
15:29	MA10794-CCV7	1		
15:33	MA10794-CCB7	1		
15:38	ZZZZZZ	1		
15:42	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:07	MP25248-MB1	1		
16:11	MA10794-CCV8	1		
16:15	MA10794-CCB8	1		
16:20	MP25248-B1	1		
16:24	FA5034-1L	1		(sample used for QC only; not part of login FA4991)
16:28	MP25248-D1	1		
16:33	MP25248-SD1	5		
16:37	MP25248-S1	1		
16:41	MP25248-S2	1		
16:45	FA5034-2L	1		(sample used for QC only; not part of login FA4991)
16:50	ZZZZZZ	1		
16:54	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:03	MA10794-CCV9	1		
17:07	MA10794-CCB9	1		
17:11	ZZZZZZ	1		
17:15	ZZZZZZ	1		
17:20	ZZZZZZ	1		
17:24	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:33	FA5034-11L	1		(sample used for QC only; not part of login FA4991)
17:37	ZZZZZZ	1		
17:41	MP25248-D2	1		
17:46	MP25248-D3	1		
17:50	MP25248-MB2	1		
17:55	MA10794-CCV10	1		
17:58	MA10794-CCB10	1		
18:03	MP25248-B2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:07	MP25248-MB3	1		
18:11	MP25248-B3	1		
18:15	MP25250-MB1	1		
18:20	MP25250-B1	1		
18:23	FA5072-2F	1		(sample used for QC only; not part of login FA4991)
18:28	MP25250-D1	1		
18:32	MP25250-SD1	5		
18:36	MP25250-PS1	1		
18:41	MP25250-S1	1		
18:45	MA10794-CCV11	1		
18:49	MA10794-CCB11	1		
18:53	MP25250-S2	1		
18:57	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:06	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:15	ZZZZZZ	1		
19:19	ZZZZZZ	1		
19:24	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:37	MA10794-CCV12	1		
19:41	MA10794-CCB12	1		
19:45	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:58	ZZZZZZ	1		
20:03	ZZZZZZ	1		
20:07	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:16	ZZZZZZ	1		
20:20	ZZZZZZ	1		
20:24	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:29	MA10794-CCV13	1		
20:33	MA10794-CCB13	1		
20:37	MP25247-MB1	1		
20:41	MP25247-B1	1		
20:45	FA5089-1	1		(sample used for QC only; not part of login FA4991)
20:49	MP25247-D1	1		
20:54	MP25247-SD1	5		
20:58	MP25247-PS1	1		
21:02	MP25247-S1	1		
21:06	MP25247-S2	1		
21:10	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:19	MA10794-CCV14	1		
21:23	MA10794-CCB14	1		
21:27	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:35	ZZZZZZ	1		
21:40	ZZZZZZ	1		
21:44	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:52	ZZZZZZ	1		
21:57	ZZZZZZ	1		
22:01	ZZZZZZ	1		
22:05	ZZZZZZ	1		
22:09	MA10794-CCV15	1		
22:13	MA10794-CCB15	1		
22:18	ZZZZZZ	1		
22:22	FA4991-1	1		
22:27	FA4991-2	1		
---------->	Last reportable sample/prep for job FA4991			
22:31	ZZZZZZ	1		
22:35	ZZZZZZ	1		
22:39	ZZZZZZ	1		
22:44	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:48	MP25249-MB1	1		
22:52	MP25249-B1	1		
22:56	FA5089-5	1		(sample used for QC only; not part of login FA4991)
23:01	MA10794-CCV16	1		
23:05	MA10794-CCB16	1		
23:09	MP25249-D1	1		
23:13	MP25249-SD1	5		
23:18	MP25249-PS1	1		
23:22	MP25249-S1	1		
23:26	MP25249-S2	1		
23:30	ZZZZZZ	1		
23:34	ZZZZZZ	1		
23:38	ZZZZZZ	1		
23:43	ZZZZZZ	1		
23:47	ZZZZZZ	1		
23:51	MA10794-CCV17	1		
23:55	MA10794-CCB17	1		
00:00	ZZZZZZ	1		
00:04	ZZZZZZ	1		
00:08	ZZZZZZ	1		
00:13	ZZZZZZ	1		
00:17	ZZZZZZ	1		
00:21	ZZZZZZ	1		
00:26	ZZZZZZ	1		
00:30	ZZZZZZ	1		
00:35	ZZZZZZ	1		
00:39	ZZZZZZ	1		
00:43	MA10794-CCV18	1		
00:47	MA10794-CCB18	1		
00:52	ZZZZZZ	1		
00:56	ZZZZZZ	1		
01:00	ZZZZZZ	1		
01:04	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:09	MP25249-MB2A	1		
01:13	MA10794-CRIA2	1		
01:17	MA10794-ICSA2	1		
01:22	MA10794-ICSAB2	1		
01:26	MA10794-CCV19	1		
01:30	MA10794-CCB19	1		

----------> Last reportable CCB for job FA4991
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:03	MA10794-STD1	5177	36237	8883	2394
08:08	MA10794-STD2	5089	35397	8830	2242
08:11	MA10794-STD3	4947	34270	8727	2046
08:15	MA10794-STD4	4758	33437	8653	1877
08:19	MA10794-HSTD1	4733	33397	8606	1865
08:30	MA10794-ICV1	4883	34096	8645	2012
08:38	MA10794-ICB1	5176 R	36254 R	8870 R	2372 R
08:42	MA10794-CRIA1	5108	35732	8824	2279
08:53	MA10794-ICSA1	4420	30232	8349	1735
09:01	MA10794-ICSAB1	4436	30741	8374	1717
09:11	MA10794-CCV1	4940	34506	8709	2007
09:18	MA10794-CCB1	5148	35933	8831	2341
09:22	MP25244-MB1	5095	35700	8813	2316
09:27	MP25244-B1	4955	34473	8825	2103
09:30	FA5072-2	4655	32572	8431	1935
09:35	MP25244-D1	4665	32653	8472	1945
09:39	MP25244-SD1	5008	34908	8734	2186
09:43	MP25244-PS1	4686	32789	8578	1934
09:47	MP25244-S1	4637	32129	8467	1867
09:52	MP25244-S2	4629	32242	8525	1866
09:56	ZZZZZZ	4904	34123	8775	2113
10:00	ZZZZZZ	4465	31501	8342	1812
10:05	MA10794-CCV2	4945	34299	8795	2010
10:09	MA10794-CCB2	5164	36007	8868	2337
10:13	ZZZZZZ	4699	32958	8546	1976
10:17	ZZZZZZ	4671	32769	8583	1955
10:22	ZZZZZZ	4749	33326	8637	2011
10:26	ZZZZZZ	4723	33118	8594	2003
10:30	ZZZZZZ	4885	33908	8944	1965
10:34	ZZZZZZ	5119	34132	9514	1600
10:39	ZZZZZZ	4475	30823	8447	1777
10:43	ZZZZZZ	4737	33015	8836	1964
10:47	ZZZZZZ	5079	34775	9401	1864

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
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	4796	33892	8790	2047
10:56	MA10794-CCV3	4932	34413	8918	1994
11:00	MA10794-CCB3	5118	35729	8937	2312
11:04	ZZZZZZ	4195	28992	8248	1644
11:08	ZZZZZZ	3995	27751	8022	1524
11:13	ZZZZZZ	4628	32640	8665	1963
11:17	ZZZZZZ	4680	32844	8774	1946
11:22	ZZZZZZ	4727	32855	8880	1949
11:26	ZZZZZZ	4969	34743	9021	2161
11:30	ZZZZZZ	5140	36242	9108	2338
11:34	MP25245-MB1	5147	36046	8810	2355
11:39	MP25245-B1	4982	34690	8956	2092
11:43	FA5113-9	6922 !	48306 !	12477 !	2207
11:47	MA10794-CCV4	4881	34372	8861	1979
11:51	MA10794-CCB4	5115	36305	8937	2316
11:55	MP25245-D1	6982 !	49612 !	12437 !	2222
11:59	MP25245-SD1	5519	38823	9736	2301
12:04	MP25245-PS1	6876 !	48818 !	12388 !	2167
12:08	MP25245-S1	6340	45151	11466 !	2057
12:12	MP25245-S2	6727 !	47742 !	12205 !	2049
12:16	ZZZZZZ	5125	36096	9183	2253
12:20	ZZZZZZ	5153	36130	9178	2291
12:24	ZZZZZZ	5150	34754	9157	2264
12:28	ZZZZZZ	5147	35999	9379	2130
12:33	ZZZZZZ	4960	35332	9353	2130
12:37	MA10794-CCV5	4843	33337	8922	1976
12:41	MA10794-CCB5	5110	35817	9085	2334
13:22	MA10794-CCV6	4859	33899	8971	1990
13:35	MA10794-CCB6	5083	35861	9147	2342
15:29	MA10794-CCV7	4819	33755	8884	1983
15:33	MA10794-CCB7	5036	35183	8933	2323
15:38	ZZZZZZ	5111	36040	10184	1832
15:42	ZZZZZZ	5464	38275	10302	2197

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:46	ZZZZZZ	5680	40252	10812	2036
15:50	ZZZZZZ	6805 !	47555 !	12613 !	2115
15:54	ZZZZZZ	5445	38846	10649	2008
15:59	ZZZZZZ	5476	39479	10526	2057
16:03	ZZZZZZ	4917	34572	9226	2056
16:07	MP25248-MB1	4923	34763	8956	2263
16:11	MA10794-CCV8	4716	33076	8838	1942
16:15	MA10794-CCB8	5032	35103	9016	2313
16:20	MP25248-B1	4830	33796	9010	2072
16:24	FA5034-1L	4381	30077	8667	1753
16:28	MP25248-D1	4401	30251	8710	1761
16:33	MP25248-SD1	4763	33136	8896	2015
16:37	MP25248-S1	4421	30783	8704	1714
16:41	MP25248-S2	4459	30711	8691	1732
16:45	FA5034-2L	4684	32746	8978	1993
16:50	ZZZZZZ	4450	30605	8694	1801
16:54	ZZZZZZ	4636	32653	8827	1970
16:58	ZZZZZZ	4694	32813	8966	2021
17:03	MA10794-CCV9	4842	33830	9038	1994
17:07	MA10794-CCB9	5080	35711	9065	2343
17:11	ZZZZZZ	4605	32468	8836	1973
17:15	ZZZZZZ	4337	29831	8631	1747
17:20	ZZZZZZ	4408	30622	8778	1788
17:24	ZZZZZZ	4708	33036	9098	2043
17:28	ZZZZZZ	4684	33011	9077	2026
17:33	FA5034-11L	4657	32722	9023	2016
17:37	ZZZZZZ	4596	32082	8828	1949
17:41	MP25248-D2	4644	32704	8897	1997
17:46	MP25248-D3	4667	32753	8988	2027
17:50	MP25248-MB2	4743	33364	9011	2085
17:55	MA10794-CCV10	4790	33476	8971	1999
17:58	MA10794-CCB10	5053	35502	9075	2356
18:03	MP25248-B2	4705	32754	8925	1982

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:07	MP25248-MB3	5054	35651	9208	2358
18:11	MP25248-B3	4854	34242	9040	2111
18:15	MP25250-MB1	5010	35263	9061	2342
18:20	MP25250-B1	4835	33810	8995	2100
18:23	FA5072-2F	4606	32412	8772	1975
18:28	MP25250-D1	4597	32286	8756	1975
18:32	MP25250-SD1	4898	34349	8953	2207
18:36	MP25250-PS1	4648	32994	8772	1961
18:41	MP25250-S1	4627	32362	8832	1898
18:45	MA10794-CCV11	4890	33960	8999	2013
18:49	MA10794-CCB11	5139	35814	9122	2366
18:53	MP25250-S2	4630	32345	8818	1881
18:57	ZZZZZZ	4884	34112	8988	2137
19:02	ZZZZZZ	4390	31060	8698	1807
19:06	ZZZZZZ	4715	33051	8868	2013
19:11	ZZZZZZ	4642	32566	8695	1966
19:15	ZZZZZZ	4800	33600	8923	2086
19:19	ZZZZZZ	4925	34474	9018	2211
19:24	ZZZZZZ	4599	32064	8689	1940
19:28	ZZZZZZ	4634	32246	8735	1963
19:33	ZZZZZZ	4811	33561	8918	2098
19:37	MA10794-CCV12	4899	33823	8937	2022
19:41	MA10794-CCB12	5111	35510	9003	2362
19:45	ZZZZZZ	4943	34707	8990	2226
19:49	ZZZZZZ	4647	32719	8880	1967
19:54	ZZZZZZ	4734	33490	8971	2052
19:58	ZZZZZZ	4612	32135	8688	1933
20:03	ZZZZZZ	4606	31860	8699	1927
20:07	ZZZZZZ	4615	31789	8750	1936
20:11	ZZZZZZ	3967	27254	8106	1532
20:16	ZZZZZZ	4731	32970	8855	2049
20:20	ZZZZZZ	4451	30692	8611	1816
20:24	ZZZZZZ	5096	35775	9151	2334

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:29	MA10794-CCV13	4831	33332	8780	2019
20:33	MA10794-CCB13	5115	35389	8988	2387
20:37	MP25247-MB1	5079	35523	9068	2376
20:41	MP25247-B1	4968	34237	9030	2149
20:45	FA5089-1	4799	33746	8950	2130
20:49	MP25247-D1	4766	33356	8800	2115
20:54	MP25247-SD1	5027	34936	9036	2312
20:58	MP25247-PS1	4758	33090	8793	2085
21:02	MP25247-S1	4759	33016	8850	2022
21:06	MP25247-S2	4751	33011	8839	2020
21:10	ZZZZZZ	5334	37186	10090	1995
21:14	ZZZZZZ	4760	33141	8917	2092
21:19	MA10794-CCV14	4851	33552	8890	2043
21:23	MA10794-CCB14	5041	34880	8894	2376
21:27	ZZZZZZ	4903	33845	8918	2206
21:31	ZZZZZZ	4955	34736	9036	2283
21:35	ZZZZZZ	4948	34560	8991	2272
21:40	ZZZZZZ	4959	34621	9016	2277
21:44	ZZZZZZ	4881	34083	8953	2223
21:48	ZZZZZZ	4892	34053	8959	2205
21:52	ZZZZZZ	4984	34813	8992	2293
21:57	ZZZZZZ	4876	34159	8912	2246
22:01	ZZZZZZ	4977	34592	8946	2281
22:05	ZZZZZZ	4933	34439	8982	2284
22:09	MA10794-CCV15	4845	33382	8751	2034
22:13	MA10794-CCB15	5158	35405	8858	2416
22:18	ZZZZZZ	4913	34511	8946	2234
22:22	FA4991-1	4415	31103	8585	1860
22:27	FA4991-2	4687	32857	8794	2077
22:31	ZZZZZZ	5070	35304	9068	2346
22:35	ZZZZZZ	4982	34650	8850	2271
22:39	ZZZZZZ	4831	33773	8901	2171
22:44	ZZZZZZ	4504	31466	8613	1864

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:48	MP25249-MB1	5049	35119	8818	2350
22:52	MP25249-B1	4923	34079	8872	2133
22:56	FA5089-5	4802	33062	8704	2110
23:01	MA10794-CCV16	4884	33619	8717	2038
23:05	MA10794-CCB16	5171	35419	8946	2413
23:09	MP25249-D1	4790	33492	8839	2123
23:13	MP25249-SD1	5082	35002	9062	2324
23:18	MP25249-PS1	4872	33939	8903	2107
23:22	MP25249-S1	4818	33147	8796	2019
23:26	MP25249-S2	4799	32947	8720	2009
23:30	ZZZZZZ	4871	33904	8969	2168
23:34	ZZZZZZ	4810	33509	8817	2116
23:38	ZZZZZZ	4781	32994	8756	2054
23:43	ZZZZZZ	4436	29962	8549	1750
23:47	ZZZZZZ	4976	34339	8971	2250
23:51	MA10794-CCV17	4926	33741	8911	2053
23:55	MA10794-CCB17	5154	35680	9114	2411
00:00	ZZZZZZ	4932	34325	9012	2223
00:04	ZZZZZZ	4886	34038	8891	2157
00:08	ZZZZZZ	4849	33490	8887	2078
00:13	ZZZZZZ	4974	34014	9027	2196
00:17	ZZZZZZ	4869	33627	8790	2159
00:21	ZZZZZZ	4959	34502	8870	2241
00:26	ZZZZZZ	4850	33529	8761	2144
00:30	ZZZZZZ	4848	33991	8885	2164
00:35	ZZZZZZ	4851	33925	9002	2172
00:39	ZZZZZZ	4845	33960	8864	2153
00:43	MA10794-CCV18	4946	34052	8897	2049
00:47	MA10794-CCB18	5191	35746	9008	2403
00:52	ZZZZZZ	4707	32272	8664	2026
00:56	ZZZZZZ	4855	33600	8873	2165
01:00	ZZZZZZ	4892	34104	8943	2185
01:04	ZZZZZZ	4843	33795	8972	2185

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10794
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:09	MP25249-MB2A	5072	35493	9051	2371
01:13	MA10794-CRIA2	5118	35401	9041	2326
01:17	MA10794-ICSA2	4442	30119	8568	1784
01:22	MA10794-ICSAB2	4391	29812	8532	1743
01:26	MA10794-CCV19	4897	33638	8857	2039
01:30	MA10794-CCB19	5139	35393	8953	2396

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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10794 Units: ug/l

Time:			08:38		09:18		10:09		11:00	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	4.0	<200	1.0	<200	-3.1	<200	4.4	<200
Antimony	6.0	1.3	0.90	<6.0	-0.70	<6.0	0.0	<6.0	-0.40	<6.0
Arsenic	10	1.6	0.20	<10	0.80	<10	0.60	<10	1.2	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	-3.1	<1000	7.5	<1000	10.7	<1000	10.5	<1000
Chromium	10	1.8	0.10	<10	0.20	<10	0.10	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-3.0	<300	4.7	<300	5.8	<300	5.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	2.8	<5000	0.10	<5000	4.8	<5000	0.70	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-3.9	<10000	-11	<10000	31.6	<10000	163	<10000
Selenium	10	2	1.2	<10	1.8	<10	2.5	<10	1.8	<10
Silver	10	.5	anr							
Sodium	10000	500	4.2	<10000	12.5	<10000	36.3	<10000	114	<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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10794 Units: ug/l

Time:			11:51		12:41		13:35		15:33	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.5	<200	0.50	<200	-0.60	<200	-0.40	<200
Antimony	6.0	1.3	-0.30	<6.0	-0.60	<6.0	0.90	<6.0	-0.50	<6.0
Arsenic	10	1.6	0.30	<10	0.20	<10	0.0	<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	-0.10	<5.0
Calcium	1000	50	8.2	<1000	6.0	<1000	-5.9	<1000	-3.8	<1000
Chromium	10	1.8	0.30	<10	0.30	<10	0.0	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	5.9	<300	4.0	<300	-2.1	<300	2.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	8.5	<5000	1.9	<5000	0.60	<5000	-9.7	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	28.2	<10000	-9.4	<10000	0.0	<10000	-13	<10000
Selenium	10	2	2.7	<10	3.4	<10	-1.2	<10	0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	100	<10000	55.7	<10000	-13	<10000	-14	<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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10794 Units: ug/l

Time:			16:15		17:07		17:58		18:49	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	8.1	<200	-0.20	<200	2.1	<200	7.0	<200
Antimony	6.0	1.3	-0.30	<6.0	-0.50	<6.0	-0.20	<6.0	-0.40	<6.0
Arsenic	10	1.6	0.30	<10	0.0	<10	0.10	<10	-0.40	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	4.8	<1000	0.30	<1000	0.40	<1000	6.9	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	0.20	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	5.1	<300	5.6	<300	3.2	<300	6.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	5.1	<5000	-12	<5000	-10	<5000	3.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-71	<10000	499	<10000	259	<10000	74.4	<10000
Selenium	10	2	0.40	<10	0.90	<10	1.2	<10	-0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	-7.7	<10000	27.0	<10000	28.8	<10000	1.9	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10794 Units: ug/l

Time:			19:41		20:33		21:23		22:13	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-2.7	<200	4.5	<200	2.6	<200	7.0	<200
Antimony	6.0	1.3	-0.70	<6.0	-0.70	<6.0	-0.70	<6.0	-0.50	<6.0
Arsenic	10	1.6	-0.60	<10	0.40	<10	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	0.10	<5.0	0.10	<5.0
Calcium	1000	50	4.3	<1000	6.9	<1000	6.8	<1000	7.1	<1000
Chromium	10	1.8	0.0	<10	0.20	<10	0.40	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	5.5	<300	6.2	<300	5.3	<300	5.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.70	<5000	0.10	<5000	0.80	<5000	-3.2	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-13	<10000	-21	<10000	-45	<10000	-80	<10000
Selenium	10	2	0.0	<10	-0.40	<10	0.30	<10	0.20	<10
Silver	10	.5	anr							
Sodium	10000	500	-6.1	<10000	110	<10000	49.2	<10000	-2.5	<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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10794 Units: ug/l

Time:			23:05		23:55		00:47		01:30	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	4.3	<200	0.90	<200	2.9	<200	11.6	<200
Antimony	6.0	1.3	-0.70	<6.0	-0.30	<6.0	-0.30	<6.0	-0.20	<6.0
Arsenic	10	1.6	-0.30	<10	-0.10	<10	0.10	<10	0.0	<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	8.3	<1000	5.9	<1000	11.1	<1000	15.9	<1000
Chromium	10	1.8	0.20	<10	0.20	<10	0.10	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	4.9	<300	2.7	<300	6.5	<300	8.8	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-15	<5000	-10	<5000	-1.3	<5000	5.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-64	<10000	-70	<10000	-110	<10000	-100	<10000
Selenium	10	2	0.40	<10	-0.70	<10	0.70	<10	0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	-0.40	<10000	59.4	<10000	15.6	<10000	-1.4	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10794 Units: ug/l

Time:		08:30			09:11			10:05	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40000	100.0	40000	39900	99.8
Antimony	2000	2020	101.0	2000	1960	98.0	2000	1950	97.5
Arsenic	2000	2020	101.0	2000	1970	98.5	2000	1960	98.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2030	101.5	2000	2020	101.0
Calcium	40000	41900	104.8	40000	40200	100.5	40000	40000	100.0
Chromium	2000	2030	101.5	2000	2010	100.5	2000	2030	101.5
Cobalt									
Copper	anr								
Iron	40000	41900	104.8	40000	39700	99.3	40000	39300	98.3
Lead	anr								
Magnesium	40000	39800	99.5	40000	39400	98.5	40000	38900	97.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42200	105.5	40000	39700	99.3	40000	39300	98.3
Selenium	2000	2040	102.0	2000	1980	99.0	2000	1970	98.5
Silver	anr								
Sodium	40000	41800	104.5	40000	40200	100.5	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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10794 Units: ug/l

Time:		10:56			11:47			12:37	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40000	100.0	40000	40100	100.3
Antimony	2000	1960	98.0	2000	1980	99.0	2000	1990	99.5
Arsenic	2000	1970	98.5	2000	1980	99.0	2000	1980	99.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2040	102.0	2000	2060	103.0
Calcium	40000	40000	100.0	40000	39700	99.3	40000	39700	99.3
Chromium	2000	2030	101.5	2000	2010	100.5	2000	2090	104.5
Cobalt									
Copper	anr								
Iron	40000	39000	97.5	40000	39200	98.0	40000	38800	97.0
Lead	anr								
Magnesium	40000	38700	96.8	40000	38500	96.3	40000	38300	95.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	38900	97.3	40000	39500	98.8	40000	38800	97.0
Selenium	2000	1970	98.5	2000	1990	99.5	2000	2000	100.0
Silver	anr								
Sodium	40000	39200	98.0	40000	39900	99.8	40000	40400	101.0
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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10794 Units: ug/l

Time:		13:22			15:29			16:11	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	39900	99.8	40000	40800	102.0
Antimony	2000	1990	99.5	2000	1980	99.0	2000	2030	101.5
Arsenic	2000	2000	100.0	2000	1990	99.5	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2010	100.5	2000	2060	103.0
Calcium	40000	40300	100.8	40000	40300	100.8	40000	40900	102.3
Chromium	2000	2030	101.5	2000	2000	100.0	2000	2050	102.5
Cobalt									
Copper	anr								
Iron	40000	40700	101.8	40000	40900	102.3	40000	41600	104.0
Lead	anr								
Magnesium	40000	40100	100.3	40000	40100	100.3	40000	40300	100.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39700	99.3	40000	39700	99.3	40000	40200	100.5
Selenium	2000	2000	100.0	2000	1990	99.5	2000	2030	101.5
Silver	anr								
Sodium	40000	39900	99.8	40000	39800	99.5	40000	40700	101.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10794 Units: ug/l

Time:		17:03			17:55			18:45	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40000	100.0	40000	39800	99.5
Antimony	2000	1970	98.5	2000	2030	101.5	2000	1970	98.5
Arsenic	2000	1980	99.0	2000	2010	100.5	2000	1970	98.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2030	101.5	2000	2010	100.5
Calcium	40000	39900	99.8	40000	40300	100.8	40000	40200	100.5
Chromium	2000	2020	101.0	2000	2040	102.0	2000	2030	101.5
Cobalt									
Copper	anr								
Iron	40000	40700	101.8	40000	40300	100.8	40000	40700	101.8
Lead	anr								
Magnesium	40000	39400	98.5	40000	40300	100.8	40000	39900	99.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	38500	96.3	40000	39300	98.3	40000	39200	98.0
Selenium	2000	1980	99.0	2000	2030	101.5	2000	1980	99.0
Silver	anr								
Sodium	40000	39000	97.5	40000	39000	97.5	40000	39400	98.5
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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10794 Units: ug/l

Time:		19:37			20:29			21:19	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	40200	100.5	40000	39800	99.5
Antimony	2000	1960	98.0	2000	2030	101.5	2000	2030	101.5
Arsenic	2000	1970	98.5	2000	2020	101.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2040	102.0	2000	2030	101.5
Calcium	40000	40200	100.5	40000	40800	102.0	40000	40500	101.3
Chromium	2000	2030	101.5	2000	2060	103.0	2000	2050	102.5
Cobalt									
Copper	anr								
Iron	40000	40500	101.3	40000	40400	101.0	40000	39500	98.8
Lead	anr								
Magnesium	40000	40000	100.0	40000	41300	103.3	40000	41100	102.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39400	98.5	40000	40300	100.8	40000	40400	101.0
Selenium	2000	1970	98.5	2000	2030	101.5	2000	2040	102.0
Silver	anr								
Sodium	40000	39400	98.5	40000	38500	96.3	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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10794 Units: ug/l

Time:		22:09			23:01			23:51	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40300	100.8	40000	39700	99.3
Antimony	2000	2020	101.0	2000	1990	99.5	2000	1980	99.0
Arsenic	2000	2030	101.5	2000	2000	100.0	2000	1990	99.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	2030	101.5	2000	2020	101.0
Calcium	40000	40800	102.0	40000	41000	102.5	40000	40400	101.0
Chromium	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	40000	40100	100.3	40000	40700	101.8	40000	40100	100.3
Lead	anr								
Magnesium	40000	41400	103.5	40000	41400	103.5	40000	40600	101.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40800	102.0	40000	40600	101.5	40000	39800	99.5
Selenium	2000	2030	101.5	2000	2000	100.0	2000	2000	100.0
Silver	anr								
Sodium	40000	39600	99.0	40000	39700	99.3	40000	38500	96.3
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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10794 Units: ug/l

Time:		00:43			01:26	
Sample ID:	CCV	CCV18		CCV	CCV19	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	39900	99.8
Antimony	2000	1980	99.0	2000	2000	100.0
Arsenic	2000	1990	99.5	2000	2000	100.0
Barium	anr					
Beryllium	anr					
Cadmium	2000	2020	101.0	2000	2030	101.5
Calcium	40000	40500	101.3	40000	40500	101.3
Chromium	2000	2050	102.5	2000	2060	103.0
Cobalt						
Copper	anr					
Iron	40000	40300	100.8	40000	40200	100.5
Lead	anr					
Magnesium	40000	40800	102.0	40000	40800	102.0
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	40000	100.0	40000	40200	100.5
Selenium	2000	1990	99.5	2000	2010	100.5
Silver	anr					
Sodium	40000	39400	98.5	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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10794 Units: ug/l

Time:		08:19	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79800	99.8
Antimony	4000	4050	101.3
Arsenic	4000	4060	101.5
Barium	anr		
Beryllium	anr		
Cadmium	4000	3980	99.5
Calcium	80000	79200	99.0
Chromium	4000	3930	98.3
Cobalt			
Copper	anr		
Iron	80000	80300	100.4
Lead	anr		
Magnesium	80000	79800	99.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	81900	102.4
Selenium	4000	4060	101.5
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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10794 Units: ug/l

Time:			08:42		01:13	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	207	103.5	201	100.5
Antimony	10	5.0	5.2	104.0	4.2	84.0
Arsenic	20	10	10.3	103.0	10.1	101.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.0	100.0
Calcium	2000	1000	1040	104.0	1050	105.0
Chromium	20	10	10.7	107.0	10.1	101.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	320	106.7	315	105.0
Lead	10	5.0	anr			
Magnesium	10000	5000	4980	99.6	5090	101.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9840	98.4	9790	97.9
Selenium	20	10	11.3	113.0	9.7	97.0
Silver	20	10	anr			
Sodium	20000	10000	9980	99.8	9760	97.6
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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060313M1.ICP Date Analyzed: 06/03/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10794 Units: ug/l

Time:			08:53		09:01		01:17		01:22	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	513000	102.6	515000	103.0	500000	100.0	501000	100.2
Antimony		1000	1.9		1050	105.0	1.7		1050	105.0
Arsenic		1000	-0.60		1060	106.0	-0.50		1060	106.0
Barium		500	0.10		526	105.2	0.20		499	99.8
Beryllium		500	-0.10		505	101.0	-0.20		491	98.2
Cadmium		1000	-0.30		949	94.9	-0.50		942	94.2
Calcium	500000	500000	484000	96.8	479000	95.8	480000	96.0	479000	95.8
Chromium		500	-0.10		483	96.6	0.10		496	99.2
Cobalt		500	0.40		471	94.2	0.30		465	93.0
Copper		500	0.0		530	106.0	-0.70		549	109.8
Iron	200000	200000	181000	90.5	191000	95.5	179000	89.5	189000	94.5
Lead		1000	0.0		992	99.2	4.1		948	94.8
Magnesium	500000	500000	498000	99.6	499000	99.8	507000	101.4	512000	102.4
Manganese		500	-0.20		493	98.6	-0.50		500	100.0
Molybdenum		1000	-0.50		927	92.7	-1.0		931	93.1
Nickel		1000	0.0		917	91.7	0.30		935	93.5
Potassium			9.0		29.0		-31		-35	
Selenium		1000	0.0		1010	101.0	2.7		1020	102.0
Silver		1000	0.40		988	98.8	0.40		990	99.0
Sodium			104		100		132		121	
Strontium		1000	12.1		1040	104.0	11.3		1010	101.0
Thallium		1000	0.0		997	99.7	-0.30		935	93.5
Tin		1000	-0.50		945	94.5	-0.90		951	95.1
Titanium		1000	-1.4		992	99.2	-4.4		995	99.5
Vanadium		500	-0.10		477	95.4	0.50		496	99.2
Zinc		1000	1.9		955	95.5	1.7		950	95.0

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:16	MA10796-STD1	1		STDA
08:20	MA10796-STD2	1		STDB
08:24	MA10796-STD3	1		STDC
08:28	MA10796-STD4	1		STDD
08:32	MA10796-HSTD1	1		
08:41	MA10796-ICV1	1		
08:48	MA10796-ICB1	1		
08:56	MA10796-CRIA1	1		
09:03	MA10796-ICSA1	1		
09:10	MA10796-ICSAB1	1		
09:18	MA10796-CCV1	1		
09:25	MA10796-CCB1	1		
09:29	MP25251-MB1	1		
09:33	MP25251-B1	1		
09:37	ZZZZZZ	1		
09:41	FA5115-10	1		(sample used for QC only; not part of login FA4991)
09:45	MP25251-D1	1		
09:49	MP25251-SD1	5		
09:54	MP25251-PS1	1		
09:58	MP25251-S1	1		
10:02	MP25251-S2	1		
10:07	ZZZZZZ	1		
10:11	MA10796-CCV2	1		
10:15	MA10796-CCB2	1		
10:19	ZZZZZZ	1		
10:23	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:44	ZZZZZZ	1		
10:48	ZZZZZZ	1		
10:52	ZZZZZZ	1		
10:56	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:00	MA10796-CCV3	1		
11:04	MA10796-CCB3	1		
11:08	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:22	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:30	MP25246-MB1	1		
11:34	MP25246-B1	1		
11:38	FA5070-1	1		(sample used for QC only; not part of login FA4991)
11:42	MP25246-D1	1		
11:46	MP25246-SD1	5		
11:50	MA10796-CCV4	1		
11:54	MA10796-CCB4	1		
11:59	MP25246-S1	1		
12:03	MP25246-S2	1		
12:07	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:15	ZZZZZZ	2		
12:19	ZZZZZZ	2		
12:24	ZZZZZZ	10		
12:32	ZZZZZZ	10		
12:36	MP25252-MB1	1		
12:40	MA10796-CCV5	1		
12:44	MA10796-CCB5	1		
12:49	MP25252-B1	1		
12:53	FA5105-14	1		(sample used for QC only; not part of login FA4991)
12:57	MP25252-D1	1		
13:01	MP25252-SD1	5		
13:05	MP25252-PS1	1		
13:09	MP25252-S1	1		
13:13	MP25252-S2	1		
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:25	ZZZZZZ	1		
13:29	MA10796-CCV6	1		
13:33	MA10796-CCB6	1		
13:37	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:54	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:07	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:20	MA10796-CCV7	1		
14:24	MA10796-CCB7	1		
15:12	MA10796-CCV8	1		
15:19	MA10796-CCB8	1		
15:28	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:44	ZZZZZZ	1		
15:48	ZZZZZZ	1		
15:52	ZZZZZZ	5		
15:57	ZZZZZZ	4		
16:01	ZZZZZZ	4		
16:05	ZZZZZZ	4		
16:09	MA10796-CCV9	1		
16:13	MA10796-CCB9	1		
16:17	ZZZZZZ	50		
16:21	ZZZZZZ	20		
16:25	ZZZZZZ	5		
16:30	ZZZZZZ	5		
16:34	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:38	ZZZZZZ	4		
	16:42	ZZZZZZ	4		
	16:46	FA4991-1	4		
---------->	Last reportable sample/prep for job FA4991				
	16:50	ZZZZZZ	4		
	16:54	ZZZZZZ	50		
	16:59	MA10796-CCV10	1		
	17:03	MA10796-CCB10	1		
	17:07	MP25256-MB1	1		
	17:11	MP25256-B1	1		
	17:15	FA5105-15	1		(sample used for QC only; not part of login FA4991)
	17:19	MP25256-D1	1		
	17:23	MP25256-SD1	5		
	17:27	MP25256-PS1	1		
	17:31	MP25256-S1	1		
	17:35	MP25256-S2	1		
	17:39	FA5105-16	1		(sample used for QC only; not part of login FA4991)
	17:43	MP25256-D2	1		
	17:47	MA10796-CCV11	1		
	17:51	MA10796-CCB11	1		
	17:55	MP25256-SD2	5		
	17:59	MP25256-PS2	1		
	18:03	MP25256-S3	1		
	18:07	MP25256-S4	1		
	18:11	ZZZZZZ	1		
	18:15	ZZZZZZ	1		
	18:20	ZZZZZZ	1		
	18:24	ZZZZZZ	1		
	18:28	ZZZZZZ	1		
	18:32	ZZZZZZ	1		
	18:36	MA10796-CCV12	1		
	18:40	MA10796-CCB12	1		
	18:44	ZZZZZZ	1		
	18:48	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:52	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:01	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:25	MA10796-CCV13	1		
19:29	MA10796-CCB13	1		
19:34	ZZZZZZ	1		
19:38	MP25256-MB2A	1		
19:42	MP25257-MB1	1		
19:46	MP25257-B1	1		
19:50	FA5142-1	1		(sample used for QC only; not part of login FA4991)
19:54	MP25257-D1	1		
19:58	MP25257-SD1	5		
20:02	MP25257-PS1	1		
20:06	MP25257-S1	1		
20:10	MP25257-S2	1		
20:14	MA10796-CCV14	1		
20:18	MA10796-CCB14	1		
20:22	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:31	ZZZZZZ	1		
20:35	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:44	ZZZZZZ	1		
20:48	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:56	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:05	MA10796-CCV15	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:09	MA10796-CCB15	1		
21:13	ZZZZZZ	1		
21:17	ZZZZZZ	1		
21:21	ZZZZZZ	1		
21:25	ZZZZZZ	1		
21:30	ZZZZZZ	1		
21:34	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:42	ZZZZZZ	1		
21:46	ZZZZZZ	5		
21:51	ZZZZZZ	5		
21:55	MA10796-CCV16	1		
21:59	MA10796-CCB16	1		
22:03	MA10796-CRIA2	1		
22:07	MA10796-ICSA2	1		
22:12	MA10796-ICSAB2	1		
22:16	MA10796-CCV17	1		
22:20	MA10796-CCB17	1		

----------> Last reportable CCB for job FA4991
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:16	MA10796-STD1	8519	44961	7698	3590
08:20	MA10796-STD2	8307	43680	7696	3226
08:24	MA10796-STD3	7930	41783	7680	2864
08:28	MA10796-STD4	7658	40528	7580	2595
08:32	MA10796-HSTD1	7633	40291	7540	2576
08:41	MA10796-ICV1	7939	41218	7540	2841
08:48	MA10796-ICB1	8651 R	45246 R	7845 R	3611 R
08:56	MA10796-CRIA1	8395	44021	7795	3318
09:03	MA10796-ICSA1	7379	37480	7436	2491
09:10	MA10796-ICSAB1	7295	37279	7379	2425
09:18	MA10796-CCV1	8100	41964	7697	2854
09:25	MA10796-CCB1	8543	44756	7697	3525
09:29	MP25251-MB1	8694	46229	7875	3521
09:33	MP25251-B1	8327	43372	7798	3060
09:37	ZZZZZZ	8807	45823	7972	3440
09:41	FA5115-10	7650	39592	8041	2221
09:45	MP25251-D1	7491	39102	8043	2083 !
09:49	MP25251-SD1	7900	40876	7599	2700
09:54	MP25251-PS1	7640	39228	7905	2218
09:58	MP25251-S1	7789	40301	8041	2139 !
10:02	MP25251-S2	7672	39492	8017	2065 !
10:07	ZZZZZZ	9460	48493	8742	2617
10:11	MA10796-CCV2	8080	41351	7368	2848
10:15	MA10796-CCB2	8614	44377	7495	3544
10:19	ZZZZZZ	10772	55305	9845	2985
10:23	ZZZZZZ	10520	53603	9725	2697
10:31	ZZZZZZ	8791	44590	8692	2390
10:35	ZZZZZZ	9858	50518	9013	3015
10:40	ZZZZZZ	12294	63226	11363	2754
10:44	ZZZZZZ	11532 !	58983 !	10355 !	3044
10:48	ZZZZZZ	9232	47073	8495	2979
10:52	ZZZZZZ	10342	52894	9333	3061
10:56	ZZZZZZ	10947	56074	9844	3141

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:00	MA10796-CCV3	8025	40896	7226	2846
11:04	MA10796-CCB3	8553	44410	7418	3550
11:08	ZZZZZZ	11099 !	54815	10495 !	2588
11:13	ZZZZZZ	9532	47172	8847	2629
11:22	ZZZZZZ	9867	49943	8691	3260
11:26	ZZZZZZ	9255	47209	8080	3293
11:30	MP25246-MB1	8668	44702	7517	3572
11:34	MP25246-B1	8464	43155	7580	3089
11:38	FA5070-1	8046	40919	7443	2909
11:42	MP25246-D1	8036	40478	7311	2897
11:46	MP25246-SD1	8686	44313	7631	3376
11:50	MA10796-CCV4	8148	41370	7351	2870
11:54	MA10796-CCB4	8553	44230	7427	3528
11:59	MP25246-S1	7836	40653	7551	2747
12:03	MP25246-S2	7978	40588	7446	2796
12:07	ZZZZZZ	8330	42996	7548	3092
12:11	ZZZZZZ	7998	40404	7392	2886
12:15	ZZZZZZ	11680	59032	10660	2826
12:19	ZZZZZZ	11824	59204	10813	2880
12:24	ZZZZZZ	8095	40993	7534	2809
12:32	ZZZZZZ	8871	45056	7816	3369
12:36	MP25252-MB1	8735	45494	7553	3566
12:40	MA10796-CCV5	8006	40676	7300	2819
12:44	MA10796-CCB5	8519	43730	7340	3503
12:49	MP25252-B1	8236	41992	7426	3036
12:53	FA5105-14	8735	44940	7625	3492
12:57	MP25252-D1	8601	44383	7535	3462
13:01	MP25252-SD1	8651	44848	7583	3547
13:05	MP25252-PS1	8464	43189	7569	3266
13:09	MP25252-S1	8221	41908	7542	3019
13:13	MP25252-S2	8195	41628	7439	3025
13:17	ZZZZZZ	8637	44533	7640	3489
13:21	ZZZZZZ	8630	44666	7705	3411

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:25	ZZZZZZ	8515	43717	7590	3368
13:29	MA10796-CCV6	8016	41089	7322	2834
13:33	MA10796-CCB6	8675	44544	7600	3573
13:37	ZZZZZZ	8705	44781	7668	3481
13:41	ZZZZZZ	8675	44434	7572	3470
13:46	ZZZZZZ	5959	29613	7181	1871 !
13:50	ZZZZZZ	8500	43478	7640	3250
13:54	ZZZZZZ	7952	39284	7447	2777
14:02	ZZZZZZ	5897	29952	7138	1917 !
14:07	ZZZZZZ	10787	54000	10128 !	2732
14:11	ZZZZZZ	8640	44172	7569	3398
14:15	ZZZZZZ	6076	31620	7306	1993 !
14:20	MA10796-CCV7	8242	41882	7552	2859
14:24	MA10796-CCB7	8578	44002	7444	3464
15:12	MA10796-CCV8	8081	41355	7289	2757
15:19	MA10796-CCB8	8597	43987	7418	3463
15:28	ZZZZZZ	6741	32752	7206	2156 !
15:32	ZZZZZZ	8651	44582	7599	3463
15:36	ZZZZZZ	8482	43993	7631	3225
15:40	ZZZZZZ	8377	43264	7660	2967
15:44	ZZZZZZ	8398	43439	7444	3153
15:48	ZZZZZZ	8711	45507	7647	3402
15:52	ZZZZZZ	8241	42096	7496	3026
15:57	ZZZZZZ	8299	42466	7428	3136
16:01	ZZZZZZ	8455	43025	7566	3215
16:05	ZZZZZZ	8304	42357	7506	3061
16:09	MA10796-CCV9	7989	40955	7244	2751
16:13	MA10796-CCB9	8692	44599	7453	3502
16:17	ZZZZZZ	8422	42873	7454	3123
16:21	ZZZZZZ	8384	42732	7390	3161
16:25	ZZZZZZ	8342	42510	7340	3122
16:30	ZZZZZZ	8411	42340	7481	2993
16:34	ZZZZZZ	8298	42332	7478	3044

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:38	ZZZZZZ	8632	43687	7686	3064
16:42	ZZZZZZ	8463	43109	7429	3203
16:46	FA4991-1	7974	40786	7235	2934
16:50	ZZZZZZ	8472	43297	7447	3199
16:54	ZZZZZZ	8349	42551	7302	3207
16:59	MA10796-CCV10	8215	41869	7353	2867
17:03	MA10796-CCB10	8634	44238	7343	3525
17:07	MP25256-MB1	8773	45578	7567	3551
17:11	MP25256-B1	8252	42046	7292	3018
17:15	FA5105-15	8928	46111	7701	3583
17:19	MP25256-D1	8817	45639	7624	3535
17:23	MP25256-SD1	8618	44474	7430	3500
17:27	MP25256-PS1	8512	43571	7516	3265
17:31	MP25256-S1	8208	41978	7324	3005
17:35	MP25256-S2	8287	42373	7402	3037
17:39	FA5105-16	8838	45829	7654	3561
17:43	MP25256-D2	8850	45807	7638	3558
17:47	MA10796-CCV11	8045	41071	7207	2828
17:51	MA10796-CCB11	8505	43698	7238	3497
17:55	MP25256-SD2	8573	44141	7374	3499
17:59	MP25256-PS2	8621	44451	7543	3333
18:03	MP25256-S3	8271	42437	7345	3047
18:07	MP25256-S4	8235	42193	7327	3030
18:11	ZZZZZZ	8382	43161	7383	3251
18:15	ZZZZZZ	8685	45057	7512	3490
18:20	ZZZZZZ	8704	45302	7529	3507
18:24	ZZZZZZ	8457	43751	7298	3374
18:28	ZZZZZZ	8530	44261	7402	3393
18:32	ZZZZZZ	8635	44823	7380	3490
18:36	MA10796-CCV12	7910	40316	7114	2802
18:40	MA10796-CCB12	8667	44686	7328	3593
18:44	ZZZZZZ	8639	44774	7448	3509
18:48	ZZZZZZ	8754	45836	7538	3587

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:52	ZZZZZZ	8220	42611	7365	2984
18:56	ZZZZZZ	6124	31602	6737	2044 !
19:01	ZZZZZZ	8467	44373	7486	3246
19:05	ZZZZZZ	8095	41829	7302	3075
19:09	ZZZZZZ	8355	43329	7496	3273
19:13	ZZZZZZ	8283	43374	7361	3286
19:17	ZZZZZZ	8200	42237	7328	3170
19:21	ZZZZZZ	8076	41433	7238	3042
19:25	MA10796-CCV13	8042	41482	7262	2895
19:29	MA10796-CCB13	8570	44379	7295	3572
19:34	ZZZZZZ	8458	44403	7406	3291
19:38	MP25256-MB2A	8568	45643	7350	3544
19:42	MP25257-MB1	8549	43818	7554	3510
19:46	MP25257-B1	8103	42823	7183	3028
19:50	FA5142-1	8712	46397	7470	3448
19:54	MP25257-D1	8827	46438	7658	3328
19:58	MP25257-SD1	8770	45994	7460	3595
20:02	MP25257-PS1	8513	44885	7546	3276
20:06	MP25257-S1	8453	43517	7518	3079
20:10	MP25257-S2	8471	43547	7436	3090
20:14	MA10796-CCV14	7889	40255	7021	2836
20:18	MA10796-CCB14	8424	43580	7208	3542
20:22	ZZZZZZ	15734 !	80094 !	15880 !	2080 !
20:27	ZZZZZZ	8739	44661	7483	3461
20:31	ZZZZZZ	32500 !	163580 !	29447 !	2869
20:35	ZZZZZZ	8757	45482	7508	3416
20:39	ZZZZZZ	8582	43587	8308	2412
20:44	ZZZZZZ	7789	39374	7727	2352
20:48	ZZZZZZ	8851	45707	7765	3423
20:52	ZZZZZZ	8445	43058	7590	3034
20:56	ZZZZZZ	8806	44169	7910	3034
21:01	ZZZZZZ	8818	45284	7722	3326
21:05	MA10796-CCV15	8162	41947	7316	2911

INTERNAL STANDARD SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10796
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:09	MA10796-CCB15	8886	45905	7700	3697
21:13	ZZZZZZ	8956	45788	7967	3333
21:17	ZZZZZZ	8791	45416	7732	3345
21:21	ZZZZZZ	8898	45495	7716	3407
21:25	ZZZZZZ	8886	43681	8037	2970
21:30	ZZZZZZ	9035	45468	7948	3220
21:34	ZZZZZZ	8870	43781	8129	2928
21:38	ZZZZZZ	8211	42122	8066	2429
21:42	ZZZZZZ	8487	43123	8140	2505
21:46	ZZZZZZ	8239	42517	7565	2892
21:51	ZZZZZZ	8322	42778	7553	2937
21:55	MA10796-CCV16	8176	41921	7297	2904
21:59	MA10796-CCB16	8708	44897	7410	3598
22:03	MA10796-CRIA2	8561	44104	7453	3383
22:07	MA10796-ICSA2	7604	38096	7236	2609
22:12	MA10796-ICSAB2	7502	37648	7243	2534
22:16	MA10796-CCV17	8243	42564	7456	2929
22:20	MA10796-CCB17	8782	45538	7458	3620

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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10796 Units: ug/l

Time:			08:48		09:25		10:15		11:04	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	32.7	<10000	46.5	<10000	34.0	<10000	23.5	<10000
Strontium	10	.5	anr							
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10796 Units: ug/l

Time:			11:54		12:44		13:33		14:24	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	75.4	<10000	63.5	<10000	54.6	<10000	2480	<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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10796 Units: ug/l

Time:			15:19		16:13		17:03		17:51	
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	anr							
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	-350	<10000	-440	<10000	-550	<10000	-610	<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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10796 Units: ug/l

Time:			18:40		19:29		20:18		21:09	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	-670	<10000	-520	<10000	-670	<10000	-720	<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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10796 Units: ug/l

Time:			21:59		22:20	
Sample ID:			CCB16		CCB17	
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	anr			
Nickel	40	.5	anr			
Potassium	10000	200				
Selenium	10	2	anr			
Silver	10	.5	anr			
Sodium	10000	500	-760	<10000	-770	<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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10796 Units: ug/l

Time:		08:41			09:18			10:11	
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	42300	105.8	40000	40500	101.3	40000	41300	103.3
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10796 Units: ug/l

Time:		11:00			11:50			12:40	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	41400	103.5	40000	40700	101.8	40000	41400	103.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10796 Units: ug/l

Time:		13:29			14:20			15:12	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	41500	103.8	40000	44000	110.0	40000	41300	103.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10796 Units: ug/l

Time:		16:09			16:59			17:47	
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	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	41400	103.5	40000	40000	100.0	40000	40700	101.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10796 Units: ug/l

Time:		18:36			19:25			20:14	
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	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	40800	102.0	40000	39900	99.8	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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10796 Units: ug/l

Time:		21:05			21:55			22:16	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
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									
Selenium	anr								
Silver	anr								
Sodium	40000	40300	100.8	40000	39900	99.8	40000	39700	99.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10796 Units: ug/l

Time:		08:32	
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	80000	100.0
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10796 Units: ug/l

Time:			08:56		22:03	
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	9460	94.6
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060413M1.ICP Date Analyzed: 06/04/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10796 Units: ug/l

Time:			09:03		09:10		22:07		22:12	
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	499000	99.8	488000	97.6	491000	98.2
Antimony		1000	0.50		981	98.1	1.6		1050	105.0
Arsenic		1000	0.20		1010	101.0	0.10		1070	107.0
Barium		500	-0.10		518	103.6	-0.10		504	100.8
Beryllium		500	-0.20		489	97.8	0.0		513	102.6
Cadmium		1000	0.0		935	93.5	-0.10		935	93.5
Calcium	500000	500000	487000	97.4	481000	96.2	462000	92.4	471000	94.2
Chromium		500	-0.30		484	96.8	0.0		478	95.6
Cobalt		500	0.10		460	92.0	0.20		459	91.8
Copper		500	0.0		499	99.8	-0.40		528	105.6
Iron	200000	200000	177000	88.5	190000	95.0	188000	94.0	201000	100.5
Lead		1000	0.60		959	95.9	-18* (a)		856	85.6
Magnesium	500000	500000	473000	94.6	477000	95.4	481000	96.2	488000	97.6
Manganese		500	-0.80		493	98.6	-1.0		504	100.8
Molybdenum		1000	0.20		939	93.9	0.70		900	90.0
Nickel		1000	-0.90		898	89.8	-0.70		971	97.1
Potassium			105		38.6		21.6		-5.2	
Selenium		1000	0.0		954	95.4	-4.1		1020	102.0
Silver		1000	-0.30		955	95.5	-0.30		974	97.4
Sodium			244		179		-510		-560	
Strontium		1000	12.4		1040	104.0	11.3		972	97.2
Thallium		1000	0.0		973	97.3	0.10		865	86.5
Tin		1000	-1.3		911	91.1	-1.1		943	94.3
Titanium		1000	-2.2		979	97.9	-2.1		1040	104.0
Vanadium		500	-0.50		475	95.0	-0.40		487	97.4
Zinc		1000	1.1		946	94.6	0.30		933	93.3

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25247
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-0.50	<200
Antimony	6.0	1.3	1.3	-0.80	<6.0
Arsenic	10	1.6	2.5	-0.80	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.20	<5.0
Calcium	1000	50	50	5.8	<1000
Chromium	10	1.8	2	0.0	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-4.3	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-14	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-66	<10000
Selenium	10	2	2	-0.80	<10
Silver	10	.5	.5		
Sodium	10000	500	500	61.2	<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 MP25247: FA4991-1, FA4991-2

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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25247
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/03/13					06/03/13	
Metal	FA5089-1 Original	DUP	RPD	QC Limits	FA5089-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	43.5	36.2	18.3	0-20	43.5	27500	27000	101.7	80-120
Antimony	0.0	0.0	NC	0-20	0.0	514	500	102.8	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	49.2	50	98.4	80-120
Calcium	80200	82100	2.3	0-20	80200	101000	25000	83.2	80-120
Chromium	0.0	0.0	NC	0-20	0.0	207	200	103.5	80-120
Cobalt									
Copper	anr								
Iron	1670	1690	1.2	0-20	1670	27900	26000	100.9	80-120
Lead	anr								
Magnesium	4530	4630	2.2	0-20	4530	29600	25000	100.3	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	6740	6900	2.3	0-20	6740	32700	25000	103.8	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2030	2000	101.5	80-120
Silver	anr								
Sodium	60700	61900	2.0	0-20	60700	82400	25000	86.8	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP25247: FA4991-1, FA4991-2

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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25247
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/13

Metal	FA5089-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	43.5	27900	27000	103.2	1.4	20
Antimony	0.0	518	500	103.6	0.8	20
Arsenic	0.0	2060	2000	103.0	0.5	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	49.4	50	98.8	0.4	20
Calcium	80200	103000	25000	91.2	2.0	20
Chromium	0.0	208	200	104.0	0.5	20
Cobalt						
Copper	anr					
Iron	1670	28300	26000	102.4	1.4	20
Lead	anr					
Magnesium	4530	30100	25000	102.3	1.7	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	6740	33300	25000	106.2	1.8	20
Selenium	0.0	2050	2000	102.5	1.0	20
Silver	anr					
Sodium	60700	83700	25000	92.0	1.6	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP25247: FA4991-1, FA4991-2

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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25247
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28600	27000	105.9	80-120
Antimony	524	500	104.8	80-120
Arsenic	2090	2000	104.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	52.5	50	105.0	80-120
Calcium	27300	25000	109.2	80-120
Chromium	216	200	108.0	80-120
Cobalt				
Copper	anr			
Iron	28000	26000	107.7	80-120
Lead	anr			
Magnesium	26800	25000	107.2	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	26700	25000	106.8	80-120
Selenium	2120	2000	106.0	80-120
Silver	anr			
Sodium	25900	25000	103.6	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25247: FA4991-1, FA4991-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25247
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/13

Metal	FA5089-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	43.5	0.00	100.0(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	80200	78900	1.7	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	1670	1600	3.8	0-10
Lead	anr			
Magnesium	4530	4390	3.0	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	6740	5940	11.8 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	60700	58100	4.3	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25247: FA4991-1, FA4991-2

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: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25247
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/13

Metal	Sample ml	Final ml	FA5089-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	43.5	42.63	2555	0.2	125	2500	100.5	80-120
Antimony	9.8	10	0	0	104.4	0.2	5	100	104.4	80-120
Arsenic	9.8	10	0	0	107.4	0.2	5	100	107.4	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	51.7	0.2	2.5	50	103.4	80-120
Calcium	9.8	10	80190	78586.2	85810	0.2	250	5000	144.5*(a	80-120
Chromium	9.8	10	0	0	53.8	0.2	2.5	50	107.6	80-120
Cobalt										
Copper										
Iron	9.8	10	1667	1633.66	4722	0.2	150	3000	102.9	80-120
Lead										
Magnesium	9.8	10	4527	4436.46	9564	0.2	250	5000	102.6	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	6735	6600.3	17300	0.2	500	10000	107.0	80-120
Selenium	9.8	10	0	0	102.6	0.2	5	100	102.6	80-120
Silver										
Sodium	9.8	10	60700	59486	70760	0.2	500	10000	112.7	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25247: FA4991-1, FA4991-2

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: FA4991
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	GN56047	5.0	0.80	mg/l	250	252	101.0	90-113%
Chloride	GP21737/GN55957	2.0	0.0	mg/l	50	50.9	101.8	90-110%
Fluoride	GP21812/GN56151	0.20	0.0	mg/l	2.5	2.30	92.0	90-110%
Nitrogen, Nitrate	GP21737/GN55957	0.10	0.0	mg/l	2.5	2.47	98.8	90-110%
Phosphate, Ortho	GP21719/GN55940	0.10	0.0	mg/l	0.300	0.30	100.2	83-116%
Phosphorus, Total	GP21770/GN56078	0.10	0.0	mg/l	.300	0.30	98.9	81-118%
Solids, Total Dissolved	GN56001	100	25.0	mg/l				
Sulfate	GP21737/GN55957	2.0	0.0	mg/l	50	48.4	96.8	90-110%

Associated Samples:
Batch GN56001: FA4991-1, FA4991-2
Batch GN56047: FA4991-1, FA4991-2
Batch GP21719: FA4991-1F, FA4991-2F
Batch GP21737: FA4991-1, FA4991-2
Batch GP21770: FA4991-1, FA4991-2
Batch GP21812: FA4991-1, FA4991-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4991
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	GN56047	FA4991-1	mg/l	70.9	71.2	0.4	0-20%
Phosphorus, Total	GP21770/GN56078	FA5189-1	mg/l	3.6	3.6	1.2	0-22%
Solids, Total Dissolved	GN56001	FA4991-2	mg/l	920	921	0.1	0-5%
Specific Conductivity	GN55927	FA4991-1	umhos/cm	3530	3520	0.1	0-10%
pH	GN55926	FA4991-1	su	5.50	5.50	0.0	0-10%

Associated Samples:
Batch GN55926: FA4991-1, FA4991-2
Batch GN55927: FA4991-1, FA4991-2
Batch GN56001: FA4991-1, FA4991-2
Batch GN56047: FA4991-1, FA4991-2
Batch GP21770: FA4991-1, FA4991-2
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA4991
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	GN56047	FA4991-1	mg/l	70.9	250	314	97.4	90-113%
Chloride	GP21737/GN55957	FA4980-1	mg/l	10.5	50	61.2	101.4	90-110%
Fluoride	GP21812/GN56151	FA5189-1	mg/l	0.91	2.5	4.2	131.6N(a)	90-110%
Nitrogen, Nitrate	GP21737/GN55957	FA4980-1	mg/l	0.050 U	2.5	2.6	104.0	90-110%
Phosphate, Ortho	GP21719/GN55940	FA4991-1F	mg/l	15.0	0.300	49.1	113.5	83-116%
Phosphorus, Total	GP21770/GN56078	FA5189-1	mg/l	3.6	.300	3.9	103.0	81-118%
Sulfate	GP21737/GN55957	FA4980-1	mg/l	24.9	50	75.6	101.4	90-110%

Associated Samples:
Batch GN56047: FA4991-1, FA4991-2
Batch GP21719: FA4991-1F, FA4991-2F
Batch GP21737: FA4991-1, FA4991-2
Batch GP21770: FA4991-1, FA4991-2
Batch GP21812: FA4991-1, FA4991-2
(*) 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: FA4991
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	GP21737/GN55957	FA4980-1	mg/l	10.5	50	61.3	0.2	20%
Fluoride	GP21812/GN56151	FA5189-1	mg/l	0.91	2.5	4.3	2.4	20%
Nitrogen, Nitrate	GP21737/GN55957	FA4980-1	mg/l	0.050 U	2.5	2.5	3.9	20%
Phosphate, Ortho	GP21719/GN55940	FA4991-1F	mg/l	15.0	0.300	49.5	0.8	26%
Phosphorus, Total	GP21770/GN56078	FA5189-1	mg/l	3.6	.300	3.85	1.1	22%
Sulfate	GP21737/GN55957	FA4980-1	mg/l	24.9	50	75.7	0.1	20%

Associated Samples:
Batch GP21719: FA4991-1F, FA4991-2F
Batch GP21737: FA4991-1, FA4991-2
Batch GP21770: FA4991-1, FA4991-2
Batch GP21812: FA4991-1, FA4991-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313250501.TXT Date Analyzed: 05/25/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55957
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:03	GN55957-CCV1	1		
11:20	GP21737-MB1	1		
11:37	GP21737-B1	1		
12:27	FA4980-1	1		(sample used for QC only; not part of login FA4991)
12:44	ZZZZZZ	1		
13:01	FA4991-1	10		
13:18	FA4991-2	2		
13:35	ZZZZZZ	5		
13:52	ZZZZZZ	5		
14:09	GN55957-CCV2	1		
14:26	GN55957-CCB1	1		
16:58	GP21737-S1	1		
17:15	GP21737-S2	1		
17:32	GN55957-CCV3	1		
20:39	GN55957-CCV4	1		
20:56	GN55957-CCB2	1		
23:11	GP21737-S1	1		
23:28	GP21737-S2	1		
23:45	GN55957-CCV5	1		
00:02	GN55957-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313250501.TXT Date Analyzed: 05/25/13 Methods: EPA 300/SW846 9056A
Run ID: GN55957 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55957-CCV1	Chloride	49.3	2.0	0.80	50	98.6	90-110
GN55957-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55957-CCV1	Sulfate	49.4	2.0	0.60	50	98.8	90-110
GN55957-CCV2	Chloride	49.6	2.0	0.80	50	99.2	90-110
GN55957-CCV2	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55957-CCV2	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN55957-CCB1	Chloride	0.80 U	2.0	0.80			
GN55957-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55957-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55957-CCV3	Chloride	49.1	2.0	0.80	50	98.2	90-110
GN55957-CCV3	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55957-CCV3	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN55957-CCV4	Chloride	49.0	2.0	0.80	50	98.0	90-110
GN55957-CCV4	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55957-CCV4	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN55957-CCB2	Chloride	0.80 U	2.0	0.80			
GN55957-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55957-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55957-CCV5	Chloride	51.2	2.0	0.80	50	102.4	90-110
GN55957-CCV5	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN55957-CCV5	Sulfate	52.6	2.0	0.60	50	105.2	90-110
GN55957-CCB3	Chloride	0.80 U	2.0	0.80			
GN55957-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55957-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313280501.TXT Date Analyzed: 05/28/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55970
Parameters: Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:41	GN55970-CCV1	1		
11:40	ZZZZZZ	2		
11:57	ZZZZZZ	2		
12:14	ZZZZZZ	100		
12:31	FA4862-5	10		(sample used for QC only; not part of login FA4991)
13:23	GP21717-S1	10		
13:40	GP21717-S2	10		
13:57	GN55970-CCV2	1		
14:19	GN55970-CCB1	1		
14:36	FA4991-1	200		
16:48	GN55970-CCV3	1		
17:05	GP21733-MB1	1		
17:22	GP21733-B1	1		
17:38	FA4877-1	1		(sample used for QC only; not part of login FA4991)
17:55	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:29	ZZZZZZ	1		
18:46	ZZZZZZ	1		
19:03	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:54	GN55970-CCV4	1		
20:11	GN55970-CCB2	1		
20:28	ZZZZZZ	1		
20:45	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:18	FA4877-11	1		(sample used for QC only; not part of login FA4991)
21:35	ZZZZZZ	1		
21:52	ZZZZZZ	1		
22:09	ZZZZZZ	1		
22:26	ZZZZZZ	1		
22:43	ZZZZZZ	1		
23:17	GN55970-CCV5	1		
23:34	GN55970-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313280501.TXT Date Analyzed: 05/28/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55970
Parameters: Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:51	ZZZZZZ	1		
00:08	ZZZZZZ	5		
00:25	ZZZZZZ	1		
00:42	ZZZZZZ	1		
00:59	GP21733-S1	1		
01:16	GP21733-S2	1		
01:32	GP21733-S3	1		
01:49	GP21733-S4	1		
02:23	GN55970-CCV6	1		
02:40	GP21734-MB1	1		
02:57	GP21734-B1	1		
03:14	FA4877-21	1		(sample used for QC only; not part of login FA4991)
03:31	ZZZZZZ	1		
03:48	ZZZZZZ	1		
04:05	ZZZZZZ	5		
04:22	ZZZZZZ	1		
04:39	ZZZZZZ	5		
04:56	ZZZZZZ	5		
05:30	GN55970-CCV7	1		
05:46	GN55970-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313280501.TXT Date Analyzed: 05/28/13 Methods: EPA 300/SW846 9056A
Run ID: GN55970 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55970-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55970-CCV1	Sulfate	49.0	2.0	0.60	50	98.0	90-110
GN55970-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55970-CCV2	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN55970-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55970-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55970-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN55970-CCV3	Sulfate	48.5	2.0	0.60	50	97.0	90-110
GN55970-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55970-CCV4	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN55970-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55970-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55970-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55970-CCV5	Sulfate	51.4	2.0	0.60	50	102.8	90-110
GN55970-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55970-CCB3	Sulfate	0.60 U	2.0	0.60			
GN55970-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55970-CCV6	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN55970-CCV7	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN55970-CCV7	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN55970-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN55970-CCB4	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313290501.TXT Date Analyzed: 05/29/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56009
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:45	GN56009-CCV1	1		
10:39	GP21750-MB1	1		
10:56	GP21750-B1	1		
11:59	FA5022-3	1		(sample used for QC only; not part of login FA4991)
12:16	ZZZZZZ	5		
12:33	ZZZZZZ	1		
12:50	FA4991-2	5		
13:07	GP21750-S1	1		
13:26	GP21750-S2	1		
13:43	GN56009-CCV2	1		
14:10	GN56009-CCB1	1		
14:27	ZZZZZZ	1		
14:44	ZZZZZZ	1		
15:01	ZZZZZZ	5		
15:18	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:52	GN56009-CCV3	1		
16:08	GP21742-MB1	1		
16:25	GP21742-B1	1		
16:42	FA4920-4	1		(sample used for QC only; not part of login FA4991)
16:59	ZZZZZZ	1		
17:16	ZZZZZZ	5		
17:33	ZZZZZZ	1		
17:50	ZZZZZZ	1		
18:07	ZZZZZZ	1		
18:24	ZZZZZZ	5		
18:58	GN56009-CCV4	1		
19:15	GN56009-CCB2	1		
19:32	ZZZZZZ	5		
19:49	ZZZZZZ	1		
20:05	ZZZZZZ	1		
20:22	FA4920-14	5		(sample used for QC only; not part of login FA4991)
20:39	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313290501.TXT Date Analyzed: 05/29/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56009
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:56	ZZZZZZ	5		
21:13	ZZZZZZ	5		
21:30	ZZZZZZ	5		
21:47	ZZZZZZ	5		
22:21	GN56009-CCV5	1		
22:38	GN56009-CCB3	1		
22:55	ZZZZZZ	5		
23:12	ZZZZZZ	5		
23:29	ZZZZZZ	5		
23:46	ZZZZZZ	100		
00:20	GP21742-S1	1		
00:37	GP21742-S2	1		
00:53	GP21742-S3	5		
01:10	GP21742-S4	5		
01:44	GN56009-CCV6	1		
02:01	GN56009-CCB4	1		
02:18	ZZZZZZ	1		
02:35	GP21734-S1	1		
02:52	GP21734-S2	1		
03:09	GP21743-MB1	1		
03:26	GP21743-B1	1		
03:43	FA4920-23	5		(sample used for QC only; not part of login FA4991)
04:51	GN56009-CCV7	1		
05:08	GN56009-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313290501.TXT Date Analyzed: 05/29/13 Methods: EPA 300/SW846 9056A
Run ID: GN56009 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56009-CCV1	Sulfate	49.3	2.0	0.60	50	98.6	90-110
GN56009-CCV2	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN56009-CCB1	Sulfate	0.60 U	2.0	0.60			
GN56009-CCV3	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN56009-CCV4	Sulfate	51.9	2.0	0.60	50	103.8	90-110
GN56009-CCB2	Sulfate	0.60 U	2.0	0.60			
GN56009-CCV5	Sulfate	52.2	2.0	0.60	50	104.4	90-110
GN56009-CCB3	Sulfate	0.60 U	2.0	0.60			
GN56009-CCV6	Sulfate	52.4	2.0	0.60	50	104.8	90-110
GN56009-CCB4	Sulfate	0.60 U	2.0	0.60			
GN56009-CCV7	Sulfate	51.1	2.0	0.60	50	102.2	90-110
GN56009-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213070601.TXT Date Analyzed: 06/07/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56151
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:18	GN56151-CCV1	1		
10:34	GP21812-MB1	1		
10:51	GP21812-B1	1		
11:45	ZZZZZZ	1000		
12:01	ZZZZZZ	1000		
12:18	ZZZZZZ	1000		
12:35	ZZZZZZ	1000		
13:11	ZZZZZZ	25		
13:44	GN56151-CCV2	1		
14:01	GN56151-CCB1	1		
14:18	ZZZZZZ	25		
14:35	FA5161-7	25		(sample used for QC only; not part of login FA4991)
14:52	ZZZZZZ	25		
15:09	ZZZZZZ	1		
15:26	GP21793-S1	25		
15:42	GP21793-S2	25		
16:16	GN56151-CCV3	1		
16:33	GN56151-CCB2	1		
16:50	FA5189-1	1		(sample used for QC only; not part of login FA4991)
17:06	ZZZZZZ	2000		
17:23	ZZZZZZ	10		
17:40	FA4991-1	10		
17:57	FA4991-2	10		
18:14	GP21812-S1	1		
18:31	GP21812-S2	1		
18:48	GN56151-CCV4	1		
19:05	GN56151-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA4991
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213070601.TXT Date Analyzed: 06/07/13 Methods: EPA 300/SW846 9056A
Run ID: GN56151 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56151-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN56151-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56151-CCB1	Fluoride	0.060 U	0.20	0.060			
GN56151-CCV3	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN56151-CCB2	Fluoride	0.060 U	0.20	0.060			
GN56151-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56151-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

06/10/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA5176

Sampling Date: 05/30/13

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: **52**

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: FA5176

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
FA5176-1	05/30/13	11:05	TP	06/03/13	AQ	Ground Water	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA5176

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 6/10/2013 12:30:14 PM

1 Sample was collected on 05/30/2013 and was received at Accutest SE on 06/03/2013 preserved, at 18.6 Deg. C and intact. The Sample received an Accutest job number of FA5176. 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:** MP25270

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) FA5255-2DUP, FA5255-2MS, FA5255-2MSD, FA5255-2PS, FA5255-2SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Aluminum, Calcium are outside control limits for sample MP25270-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

FA5176-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA5176-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA5176-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA5176-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA5176-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA5176-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

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: June 10, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA5176
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 05/30/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA5176-1	**A-34-022**					
Aluminum		1200	2.0	0.15	mg/l	SW846 6010C
Arsenic [a]		0.208	0.10	0.025	mg/l	SW846 6010C
Cadmium [a]		2.72	0.050	0.0050	mg/l	SW846 6010C
Calcium [a]		584	10	0.50	mg/l	SW846 6010C
Chromium [a]		2.41	0.10	0.020	mg/l	SW846 6010C
Iron		1270	3.0	0.29	mg/l	SW846 6010C
Magnesium		838	50	0.74	mg/l	SW846 6010C
Potassium		329	100	2.0	mg/l	SW846 6010C
Selenium [a]		0.0317 J	0.10	0.020	mg/l	SW846 6010C
Sodium		641	100	5.0	mg/l	SW846 6010C

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA5176-1	**Date Sampled:**	05/30/13
Matrix:	AQ - Ground Water	**Date Received:**	06/03/13
		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	1200	2.0	0.15	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	0.013 U	0.060	0.013	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	0.208	0.10	0.025	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	2.72	0.050	0.0050	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	584	10	0.50	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2.41	0.10	0.020	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	1270	3.0	0.29	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	838	50	0.74	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	329	100	2.0	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	0.0317 J	0.10	0.020	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	641	100	5.0	mg/l	10	06/06/13	06/07/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10806
(2) Prep QC Batch: MP25270

(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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

Chain of Custody

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

Accutest JOB# FA5176 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 HAFF E-mail: TIM.HAFF@WSPGROUP.COM
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed)

Project Information

Project Name: AGRE Chem
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	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	Analytical Information	Matrix Codes / LAB USE ONLY
1	A-34-022	8/30	1105	TRP	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: 8/30 1226	Received By: 2 FO	Relinquished by: 3 FO 0608-13	Date Time: 915	Received By: 4
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 18.6

5.1 5

FA5176: Chain of Custody
Page 1 of 4

O-Phos - Field Filtered

34-022 High Phosphate

st #2 (groundwater samples and groundwater sampling equipment blanks)

l dissolved solids (TDS)

etals - aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, nium, and sodium

uoride, nitrate as N, and sulfate

rous

- ssolved 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.

FA5176: Chain of Custody

Page 2 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA5176 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 06-03-13 915 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8010 3191 9169

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
- [x] 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: 18.2
- [ ] CORRECTED TEMPS: 18.6

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: Cooler Came Hot. Samples Received out of Hold time

TECHNICIAN SIGNATURE/DATE [signature] 060313 REVIEWER SIGNATURE/DATE [signature] 06/03/13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA5176: Chain of Custody

Page 3 of 4

Job Change Order: FA5176_6/5/2013

Requested Date:	6/5/2013	**Received Date:**	6/3/2013
Account Name:	WSP Environment & Energy	**Due Date:**	6/17/2013
Project Description:	Nu-West Conda Phosphate Operations, 3010	**Deliverable:**	REDT1
CSR:	AC	**TAT (Days):**	12

Sample #:
FA5176-1

Change: Please analyze the sample for metals only due to Fedex delay and warm cooler temp.

A-34-022

Above Changes Tim Huff **Date:** 6/5/2013

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

Page 1 of 1

FA5176: Chain of Custody
Page 4 of 4

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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10802
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:24	MA10802-STD1	1		STDA
09:28	MA10802-STD2	1		STDB
09:31	MA10802-STD3	1		STDC
09:35	MA10802-STD4	1		STDD
09:40	MA10802-HSTD1	1		
09:48	MA10802-ICV1	1		
09:54	MA10802-ICB1	1		
10:07	MA10802-CRIA1	1		
10:17	MA10802-ICSA1	1		
10:24	MA10802-ICSAB1	1		
10:29	MA10802-CCV1	1		
10:34	MA10802-CCB1	1		
10:38	MP25265-MB1	1		
10:42	MP25265-B1	1		
10:46	FA5224-1	1		(sample used for QC only; not part of login FA5176)
10:50	MP25265-D1	1		
10:54	MP25265-SD1	5		
10:59	MP25265-PS1	1		
11:03	MP25265-S1	1		
11:06	MP25265-S2	1		
11:15	ZZZZZZ	1		
11:19	MA10802-CCV2	1		
11:23	MA10802-CCB2	1		
11:27	ZZZZZZ	1		
11:36	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:45	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:58	ZZZZZZ	1		
12:03	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:11	MA10802-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10802
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:15	MA10802-CCB3	1		
12:19	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:50	MP25266-MB1	1		
12:54	MP25266-B1	1		
12:58	FA5223-1	1		(sample used for QC only; not part of login FA5176)
13:02	MA10802-CCV4	1		
13:06	MA10802-CCB4	1		
13:31	MA10802-CCV5	1		
13:41	MA10802-CCB5	1		
13:45	MP25266-D1	1		
13:49	MP25266-SD1	5		
13:53	MP25266-PS1	1		
13:57	MP25266-S1	1		
14:01	MP25266-S2	1		
14:05	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:17	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:25	MA10802-CCV6	1		
14:29	MA10802-CCB6	1		
14:33	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:54	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10802
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	14:58	ZZZZZZ	1		
	15:03	ZZZZZZ	1		
	15:07	ZZZZZZ	1		
	15:11	ZZZZZZ	1		
	15:15	MA10802-CCV7	1		
	15:19	MA10802-CCB7	1		
	15:23	ZZZZZZ	1		
	15:27	ZZZZZZ	1		
	15:31	ZZZZZZ	1		
	15:36	MP25266-MB2	1		
	15:40	MP25270-MB1	1		
	15:44	MP25270-B1	1		
	15:48	FA5255-2	1		(sample used for QC only; not part of login FA5176)
	15:52	MP25270-D1	1		
	15:56	MP25270-SD1	5		
	16:00	MP25270-PS1	1		
	16:04	MA10802-CCV8	1		
	16:08	MA10802-CCB8	1		
	16:12	MP25270-S1	1		
	16:16	MP25270-S2	1		
---------->	Last reportable sample/prep for job FA5176				
	16:20	ZZZZZZ	1		
	16:24	ZZZZZZ	1		
	16:28	ZZZZZZ	1		
	16:33	ZZZZZZ	1		
	16:37	ZZZZZZ	1		
	16:41	ZZZZZZ	1		
	16:45	ZZZZZZ	1		
	16:49	ZZZZZZ	1		
	16:53	MA10802-CCV9	1		
	16:57	MA10802-CCB9	1		
	17:06	ZZZZZZ	1		
	17:10	ZZZZZZ	1		
	17:14	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10802
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:18	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:27	ZZZZZZ	1		
17:31	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:43	MA10802-CCV10	1		
17:47	MA10802-CCB10	1		
17:51	MA10802-CRIA2	1		
17:55	MA10802-ICSA2	1		
18:00	MA10802-ICSAB2	1		
18:04	MA10802-CCV11	1		
18:08	MA10802-CCB11	1		

----------> Last reportable CCB for job FA5176
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10802
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:24	MA10802-STD1	7500	39821	5812	3189
09:28	MA10802-STD2	7380	38528	5793	2910
09:31	MA10802-STD3	6984	36738	5724	2567
09:35	MA10802-STD4	6774	36077	5704	2353
09:40	MA10802-HSTD1	6722	35881	5654	2340
09:48	MA10802-ICV1	6938	36892	5668	2560
09:54	MA10802-ICB1	7321 R	39035 R	5679 R	3145 R
10:07	MA10802-CRIA1	7230	38483	5773	2984
10:17	MA10802-ICSA1	6331	32873	5517	2266
10:24	MA10802-ICSAB1	6362	33184	5464	2226
10:29	MA10802-CCV1	6998	37132	5664	2605
10:34	MA10802-CCB1	7425	39806	5723	3190
10:38	MP25265-MB1	7485	40352	5859	3157
10:42	MP25265-B1	7123	37900	5765	2739
10:46	FA5224-1	7427	39386	6023	2819
10:50	MP25265-D1	7321	38718	5897	2817
10:54	MP25265-SD1	7450	39731	5835	3054
10:59	MP25265-PS1	7283	38580	5934	2731
11:03	MP25265-S1	7051	38161	5788	2597
11:06	MP25265-S2	6971	37892	5717	2538
11:15	ZZZZZZ	8778	47204	7256	2489
11:19	MA10802-CCV2	6959	37323	5588	2618
11:23	MA10802-CCB2	7429	39553	5715	3210
11:27	ZZZZZZ	8537	45813	7057	2777
11:36	ZZZZZZ	10537 !	56225 !	8658 !	2511
11:41	ZZZZZZ	8469	45334	7052	2456
11:45	ZZZZZZ	9758 !	53799 !	8173 !	2488
11:49	ZZZZZZ	10619 !	56700 !	8588 !	2552
11:54	ZZZZZZ	10225 !	54880 !	8252 !	2593
11:58	ZZZZZZ	10895 !	58489 !	8949 !	2508
12:03	ZZZZZZ	8331	44188	6772	2406
12:07	ZZZZZZ	10781 !	58381 !	8904 !	2568
12:11	MA10802-CCV3	6997	37634	5589	2642

INTERNAL STANDARD SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10802
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:15	MA10802-CCB3	7458	39879	5602	3242
12:19	ZZZZZZ	11002 !	58823 !	9016 !	2551
12:24	ZZZZZZ	9308 !	49720 !	7561 !	2559
12:28	ZZZZZZ	10679 !	57700 !	8688 !	2520
12:33	ZZZZZZ	11539 !	62415 !	9489 !	2420
12:37	ZZZZZZ	10046 !	54179 !	8091 !	2592
12:41	ZZZZZZ	10381 !	55708 !	8362 !	2573
12:46	ZZZZZZ	10957 !	58957 !	8809 !	2552
12:50	MP25266-MB1	7439	40349	5649	3220
12:54	MP25266-B1	7065	37928	5570	2774
12:58	FA5223-1	6815	36793	5548	2686
13:02	MA10802-CCV4	6960	37348	5527	2640
13:06	MA10802-CCB4	7349	39539	5604	3219
13:31	MA10802-CCV5	6910	37482	5530	2622
13:41	MA10802-CCB5	7337	40413	5572	3200
13:45	MP25266-D1	6823	37547	5540	2684
13:49	MP25266-SD1	7083	38724	5527	2944
13:53	MP25266-PS1	6800	36982	5534	2648
13:57	MP25266-S1	6749	36485	5491	2540
14:01	MP25266-S2	6740	36221	5491	2537
14:05	ZZZZZZ	6753	36667	5496	2651
14:09	ZZZZZZ	6716	36378	5472	2611
14:13	ZZZZZZ	6723	36430	5522	2621
14:17	ZZZZZZ	7224	39418	5636	3064
14:21	ZZZZZZ	7290	39905	5647	3113
14:25	MA10802-CCV6	6921	37551	5535	2627
14:29	MA10802-CCB6	7298	39605	5553	3204
14:33	ZZZZZZ	7266	39864	5614	3129
14:38	ZZZZZZ	7200	39322	5602	3106
14:42	ZZZZZZ	6937	37973	5519	2844
14:46	ZZZZZZ	5624	30502	5340	2025
14:50	ZZZZZZ	6373	35470	5629	2481
14:54	ZZZZZZ	6779	37349	5926	2498

INTERNAL STANDARD SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10802
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:58	ZZZZZZ	6603	35946	5662	2571
15:03	ZZZZZZ	6713	37217	5649	2720
15:07	ZZZZZZ	7184	40014	5722	3195
15:11	ZZZZZZ	7193	39869	5756	3200
15:15	MA10802-CCV7	6701	36878	5553	2602
15:19	MA10802-CCB7	7150	38884	5607	3189
15:23	ZZZZZZ	7156	39755	5711	3185
15:27	ZZZZZZ	7167	39604	5698	3128
15:31	ZZZZZZ	7142	39145	5703	3109
15:36	MP25266-MB2	7178	39452	5662	3185
15:40	MP25270-MB1	7339	40897	5906	3282
15:44	MP25270-B1	6946	38083	5709	2802
15:48	FA5255-2	7342	40573	5850	3154
15:52	MP25270-D1	7324	40432	5854	3149
15:56	MP25270-SD1	7301	39939	5820	3236
16:00	MP25270-PS1	7191	39340	5852	2994
16:04	MA10802-CCV8	6806	37027	5578	2644
16:08	MA10802-CCB8	7277	40033	5773	3265
16:12	MP25270-S1	7043	38561	5822	2793
16:16	MP25270-S2	7090	38829	5836	2794
16:20	ZZZZZZ	7256	39913	5741	3167
16:24	ZZZZZZ	7318	40308	5865	3201
16:28	ZZZZZZ	7283	39850	5849	3182
16:33	ZZZZZZ	7262	39887	5838	3173
16:37	ZZZZZZ	7185	40479	5696	3164
16:41	ZZZZZZ	7210	39875	5769	3174
16:45	ZZZZZZ	6993	38922	5928	2967
16:49	ZZZZZZ	7155	40037	5795	3115
16:53	MA10802-CCV9	6778	37280	5610	2613
16:57	MA10802-CCB9	7258	39787	5704	3245
17:06	ZZZZZZ	7115	39500	5800	3071
17:10	ZZZZZZ	7054	38971	5705	3059
17:14	ZZZZZZ	7133	39640	5816	3101

INTERNAL STANDARD SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10802
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:18	ZZZZZZ	7253	40166	5861	3189
17:22	ZZZZZZ	7282	40117	5831	3186
17:27	ZZZZZZ	7260	40001	5746	3225
17:31	ZZZZZZ	7145	39127	5746	3015
17:35	ZZZZZZ	7225	39755	5847	3146
17:39	ZZZZZZ	7286	40372	5797	3194
17:43	MA10802-CCV10	6852	37779	5659	2649
17:47	MA10802-CCB10	7314	40185	5773	3272
17:51	MA10802-CRIA2	7171	39444	5734	3072
17:55	MA10802-ICSA2	6207	33374	5430	2310
18:00	MA10802-ICSAB2	6178	33386	5527	2274
18:04	MA10802-CCV11	6823	37683	5641	2666
18:08	MA10802-CCB11	7224	40022	5661	3245

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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10802 Units: ug/l

Time:			09:54		10:34		11:23		12:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-11	<200	10.7	<200	10.1	<200	12.2	<200
Antimony	6.0	1.3	2.0	<6.0	1.4	<6.0	1.3	<6.0	1.6	<6.0
Arsenic	10	1.6	-1.1	<10	0.30	<10	0.90	<10	0.50	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	3.2	<1000	11.8	<1000	10.8	<1000	8.0	<1000
Chromium	10	1.8	0.10	<10	0.0	<10	0.60	<10	0.50	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	4.9	<300	10.2	<300	19.5	<300	25.1	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-24	<5000	8.8	<5000	-1.0	<5000	16.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	107	<10000	70.1	<10000	70.6	<10000	76.2	<10000
Selenium	10	2	-0.20	<10	-0.10	<10	-0.80	<10	0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	9.5	<10000	22.3	<10000	7.6	<10000	6.4	<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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10802 Units: ug/l

Time:			13:06		13:41		14:29		15:19	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.7	<200	5.7	<200	10.9	<200	10.9	<200
Antimony	6.0	1.3	1.5	<6.0	1.3	<6.0	-0.10	<6.0	1.5	<6.0
Arsenic	10	1.6	0.60	<10	-0.20	<10	-0.10	<10	-0.30	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.10	<5.0	0.20	<5.0
Calcium	1000	50	8.9	<1000	5.5	<1000	5.6	<1000	4.5	<1000
Chromium	10	1.8	0.30	<10	0.40	<10	0.40	<10	0.50	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	16.7	<300	5.7	<300	5.5	<300	4.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.40	<5000	8.6	<5000	-4.0	<5000	7.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	86.0	<10000	62.4	<10000	54.0	<10000	17.0	<10000
Selenium	10	2	0.10	<10	1.2	<10	1.4	<10	1.5	<10
Silver	10	.5	anr							
Sodium	10000	500	33.6	<10000	10.2	<10000	48.4	<10000	129	<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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10802 Units: ug/l

Time:			16:08		16:57		17:47		18:08	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	21.5	<200	10.5	<200	10.3	<200	5.7	<200
Antimony	6.0	1.3	0.90	<6.0	0.30	<6.0	1.6	<6.0	0.40	<6.0
Arsenic	10	1.6	-0.30	<10	-0.60	<10	-0.10	<10	-0.30	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.20	<5.0	0.0	<5.0
Calcium	1000	50	3.7	<1000	5.3	<1000	3.4	<1000	10.0	<1000
Chromium	10	1.8	0.30	<10	0.70	<10	0.40	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	4.3	<300	4.7	<300	5.5	<300	8.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.6	<5000	0.20	<5000	5.9	<5000	22.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	-28	<10000	-36	<10000	0.50	<10000	19.1	<10000
Selenium	10	2	2.0	<10	0.80	<10	1.3	<10	2.5	<10
Silver	10	.5	anr							
Sodium	10000	500	72.6	<10000	50.2	<10000	64.2	<10000	56.9	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10802 Units: ug/l

Time:		09:48			10:29			11:19	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	39100	97.8	40000	38900	97.3
Antimony	2000	2060	103.0	2000	1990	99.5	2000	2030	101.5
Arsenic	2000	2050	102.5	2000	1980	99.0	2000	2010	100.5
Barium	anr								
Beryllium									
Cadmium	2000	2060	103.0	2000	1980	99.0	2000	1980	99.0
Calcium	40000	40800	102.0	40000	39000	97.5	40000	38700	96.8
Chromium	2000	2030	101.5	2000	1970	98.5	2000	1930	96.5
Cobalt									
Copper	anr								
Iron	40000	41600	104.0	40000	40400	101.0	40000	41100	102.8
Lead	anr								
Magnesium	40000	41200	103.0	40000	39600	99.0	40000	39800	99.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	40900	102.3	40000	39700	99.3	40000	40100	100.3
Selenium	2000	2060	103.0	2000	1990	99.5	2000	2030	101.5
Silver	anr								
Sodium	40000	40800	102.0	40000	39300	98.3	40000	39400	98.5
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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10802 Units: ug/l

Time:		12:11			13:02			13:31	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38300	95.8	40000	38200	95.5	40000	39500	98.8
Antimony	2000	2050	102.5	2000	2060	103.0	2000	2000	100.0
Arsenic	2000	2010	100.5	2000	2020	101.0	2000	1990	99.5
Barium	anr								
Beryllium									
Cadmium	2000	2000	100.0	2000	2000	100.0	2000	2010	100.5
Calcium	40000	38700	96.8	40000	38700	96.8	40000	39600	99.0
Chromium	2000	1940	97.0	2000	1940	97.0	2000	1960	98.0
Cobalt									
Copper	anr								
Iron	40000	41000	102.5	40000	40900	102.3	40000	40600	101.5
Lead	anr								
Magnesium	40000	39600	99.0	40000	39500	98.8	40000	39700	99.3
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	39900	99.8	40000	39600	99.0	40000	39400	98.5
Selenium	2000	2030	101.5	2000	2040	102.0	2000	2000	100.0
Silver	anr								
Sodium	40000	39000	97.5	40000	38500	96.3	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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10802 Units: ug/l

Time:		14:25			15:15			16:04	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	40300	100.8	40000	39600	99.0
Antimony	2000	1980	99.0	2000	2110	105.5	2000	2080	104.0
Arsenic	2000	1980	99.0	2000	2080	104.0	2000	2050	102.5
Barium	anr								
Beryllium									
Cadmium	2000	1990	99.5	2000	2050	102.5	2000	2030	101.5
Calcium	40000	39300	98.3	40000	40200	100.5	40000	39600	99.0
Chromium	2000	1960	98.0	2000	2010	100.5	2000	2000	100.0
Cobalt									
Copper	anr								
Iron	40000	40300	100.8	40000	42300	105.8	40000	41300	103.3
Lead	anr								
Magnesium	40000	39500	98.8	40000	40800	102.0	40000	40200	100.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	39400	98.5	40000	40700	101.8	40000	40100	100.3
Selenium	2000	1990	99.5	2000	2100	105.0	2000	2070	103.5
Silver	anr								
Sodium	40000	39300	98.3	40000	39600	99.0	40000	39400	98.5
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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10802 Units: ug/l

Time:		16:53			17:43			18:04	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39100	97.8	40000	38900	97.3
Antimony	2000	2090	104.5	2000	2070	103.5	2000	2090	104.5
Arsenic	2000	2070	103.5	2000	2040	102.0	2000	2060	103.0
Barium	anr								
Beryllium									
Cadmium	2000	2050	102.5	2000	2020	101.0	2000	2030	101.5
Calcium	40000	39900	99.8	40000	39500	98.8	40000	39400	98.5
Chromium	2000	1990	99.5	2000	1960	98.0	2000	1960	98.0
Cobalt									
Copper	anr								
Iron	40000	41700	104.3	40000	41400	103.5	40000	41800	104.5
Lead	anr								
Magnesium	40000	40300	100.8	40000	40000	100.0	40000	40200	100.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	40100	100.3	40000	39500	98.8	40000	39400	98.5
Selenium	2000	2080	104.0	2000	2060	103.0	2000	2080	104.0
Silver	anr								
Sodium	40000	39800	99.5	40000	38900	97.3	40000	38300	95.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10802 Units: ug/l

Time:		09:40	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	4070	101.8
Arsenic	4000	4070	101.8
Barium	anr		
Beryllium			
Cadmium	4000	4020	100.5
Calcium	80000	80000	100.0
Chromium	4000	4000	100.0
Cobalt			
Copper	anr		
Iron	80000	80900	101.1
Lead	anr		
Magnesium	80000	80100	100.1
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	80600	100.8
Selenium	4000	4060	101.5
Silver	anr		
Sodium	80000	79200	99.0
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10802 Units: ug/l

Time:			10:07		17:51	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	204	102.0	217	108.5
Antimony	10	5.0	6.1	122.0	5.8	116.0
Arsenic	20	10	10.7	107.0	10.2	102.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.3	106.0	5.3	106.0
Calcium	2000	1000	1050	105.0	1050	105.0
Chromium	20	10	10.6	106.0	10.5	105.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	327	109.0	388	129.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5300	106.0	5210	104.2
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	10400	104.0	10100	101.0
Selenium	20	10	10.5	105.0	11.4	114.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10200	102.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060613M1.ICP Date Analyzed: 06/06/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10802 Units: ug/l

Time:			10:17		10:24		17:55		18:00	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	502000	100.4	502000	100.4	501000	100.2	503000	100.6
Antimony		1000	1.9		1030	103.0	-0.40		1080	108.0
Arsenic		1000	0.50		1050	105.0	0.30		1100	110.0
Barium		500	0.10		515	103.0	-0.20		522	104.4
Beryllium		500	0.0		486	97.2	-0.10		487	97.4
Cadmium		1000	-0.10		938	93.8	-0.60		965	96.5
Calcium	500000	500000	480000	96.0	480000	96.0	480000	96.0	477000	95.4
Chromium		500	-0.10		479	95.8	0.30		484	96.8
Cobalt		500	0.10		462	92.4	0.20		477	95.4
Copper		500	0.0		515	103.0	1.5		533	106.6
Iron	200000	200000	191000	95.5	196000	98.0	193000	96.5	201000	100.5
Lead		1000	0.0		930	93.0	1.9		937	93.7
Magnesium	500000	500000	482000	96.4	480000	96.0	484000	96.8	486000	97.2
Manganese		500	0.0		499	99.8	-0.50		509	101.8
Molybdenum		1000	-0.30		941	94.1	0.10		985	98.5
Nickel		1000	0.40		933	93.3	1.1		981	98.1
Potassium			242		252		173		160	
Selenium		1000	0.0		992	99.2	-0.10		1050	105.0
Silver		1000	-0.30		967	96.7	0.0		975	97.5
Sodium			218		187		300		311	
Strontium		1000	11.7		1020	102.0	11.8		1020	102.0
Thallium		1000	0.40		939	93.9	0.70		934	93.4
Tin		1000	-0.60		933	93.3	-1.1		955	95.5
Titanium		1000	-1.8		1010	101.0	-2.0		1040	104.0
Vanadium		500	-0.20		482	96.4	0.0		487	97.4
Zinc		1000	0.90		944	94.4	0.60		961	96.1

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10806
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:02	MA10806-STD1	1		STDA
09:05	MA10806-STD2	1		STDB
09:08	MA10806-STD3	1		STDC
09:13	MA10806-STD4	1		STDD
09:17	MA10806-HSTD1	1		
09:24	MA10806-ICV1	1		
09:33	MA10806-ICB1	1		
09:37	MA10806-CRIA1	1		
09:54	MA10806-ICSA1	1		
10:03	MA10806-ICSAB1	1		
10:12	MA10806-CCV1	1		
10:19	MA10806-CCB1	1		
10:24	ZZZZZZ	5		
10:32	ZZZZZZ	4		
10:37	ZZZZZZ	4		
10:41	ZZZZZZ	4		
10:45	ZZZZZZ	4		
10:49	ZZZZZZ	4		
10:53	ZZZZZZ	4		
10:57	ZZZZZZ	5		
11:02	ZZZZZZ	4		
11:06	MA10806-CCV2	1		
11:10	MA10806-CCB2	1		
11:14	ZZZZZZ	5		
11:18	ZZZZZZ	5		
11:23	ZZZZZZ	5		
11:27	ZZZZZZ	5		
11:31	ZZZZZZ	5		
11:35	FA5223-1	5		(sample used for QC only; not part of login FA5176)
11:39	MP25266-D1	5		
11:44	MP25266-S1	5		
11:48	MP25266-S2	5		
11:52	MP25266-PS1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10806
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:56	MA10806-CCV3	1		
	12:00	MA10806-CCB3	1		
	12:04	MP25266-SD1	25		
	12:08	ZZZZZZ	5		
	12:13	ZZZZZZ	5		
	12:17	ZZZZZZ	5		
	12:21	FA5176-1	10		
---------->	Last reportable sample/prep for job FA5176				
	12:25	ZZZZZZ	500		
	12:30	ZZZZZZ	500		
	12:34	MA10806-CCV4	1		
	12:38	MA10806-CCB4	1		
	13:28	MA10806-CCV5	1		
	13:36	MA10806-CCB5	1		
	13:41	MP25277-MB1	1		
	13:45	MP25277-B1	1		
	13:49	FA5263-1	1		(sample used for QC only; not part of login FA5176)
	13:54	MP25277-D1	1		
	13:58	MP25277-SD1	5		
	14:02	MP25277-PS1	1		
	14:06	MP25277-S1	2		
	14:10	MP25277-S2	1		
	14:14	ZZZZZZ	1		
	14:18	ZZZZZZ	1		
	14:23	MA10806-CCV6	1		
	14:27	MA10806-CCB6	1		
	14:31	ZZZZZZ	1		
	14:35	ZZZZZZ	1		
	14:40	ZZZZZZ	1		
	14:44	ZZZZZZ	1		
	14:48	ZZZZZZ	1		
	14:53	ZZZZZZ	1		
	14:57	ZZZZZZ	1		
	15:01	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10806
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:05	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:14	MA10806-CCV7	1		
15:18	MA10806-CCB7	1		
15:22	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:31	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:44	ZZZZZZ	1		
15:48	MP25277-MB2A	1		
15:52	MA10806-CRIA2	1		
15:56	MA10806-ICSA2	1		
16:01	MA10806-ICSAB2	1		
16:05	MA10806-CCV8	1		
16:09	MA10806-CCB8	1		
---------->	Last reportable CCB for job FA5176			
16:14	MA10806-CCV9	1		
16:18	MA10806-CCB9	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10806
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	MA10806-STD1	4830	36743	9164	2386
09:05	MA10806-STD2	4730	35512	9168	2193
09:08	MA10806-STD3	4540	33821	9073	1973
09:13	MA10806-STD4	4430	33459	8976	1805
09:17	MA10806-HSTD1	4461	33420	9014	1801
09:24	MA10806-ICV1	4590	34136	9027	1946
09:33	MA10806-ICB1	4866 R	35984 R	9258 R	2351 R
09:37	MA10806-CRIA1	4785	35255	9212	2246
09:54	MA10806-ICSA1	4186	29939	8766	1680
10:03	MA10806-ICSAB1	4194	30089	8756	1646
10:12	MA10806-CCV1	4628	33895	9167	1947
10:19	MA10806-CCB1	4843	35686	9240	2331
10:24	ZZZZZZ	5199	38379	10205	2127
10:32	ZZZZZZ	5394	39529	10399	2114
10:37	ZZZZZZ	5275	38655	10238	2112
10:41	ZZZZZZ	5453	39843	10501	2130
10:45	ZZZZZZ	5385	39528	10284	2165
10:49	ZZZZZZ	5549	40318	10676	2139
10:53	ZZZZZZ	5466	39925	10603	2133
10:57	ZZZZZZ	5385	39242	10347	2157
11:02	ZZZZZZ	5250	38110	9983	2156
11:06	MA10806-CCV2	4615	33864	9162	1949
11:10	MA10806-CCB2	4832	35884	9157	2335
11:14	ZZZZZZ	5351	39180	10218	2155
11:18	ZZZZZZ	5497	40472	10614	2122
11:23	ZZZZZZ	5277	38582	10087	2173
11:27	ZZZZZZ	5344	39071	10369	2170
11:31	ZZZZZZ	5369	39281	10242	2156
11:35	FA5223-1	4716	34541	9107	2182
11:39	MP25266-D1	4689	34331	9167	2180
11:44	MP25266-S1	4675	34536	9125	2122
11:48	MP25266-S2	4720	34806	9107	2111
11:52	MP25266-PS1	4730	34624	9134	2138

INTERNAL STANDARD SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10806
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:56	MA10806-CCV3	4651	34154	9046	1910
12:00	MA10806-CCB3	4865	36001	9081	2299
12:04	MP25266-SD1	4839	35666	9112	2264
12:08	ZZZZZZ	4665	34217	8956	2120
12:13	ZZZZZZ	4732	34623	9108	2142
12:17	ZZZZZZ	4679	34451	9002	2124
12:21	FA5176-1	4917	35589	9644	1920
12:25	ZZZZZZ	4707	34420	9037	2169
12:30	ZZZZZZ	4714	34498	9056	2174
12:34	MA10806-CCV4	4596	33771	8979	1938
12:38	MA10806-CCB4	4800	35691	9097	2332
13:28	MA10806-CCV5	4669	34162	9139	1956
13:36	MA10806-CCB5	4920	36141	9267	2355
13:41	MP25277-MB1	4828	35921	9273	2317
13:45	MP25277-B1	4704	34296	9194	2049
13:49	FA5263-1	4541	33601	9163	2065
13:54	MP25277-D1	4578	33964	9225	2080
13:58	MP25277-SD1	4760	35293	9281	2234
14:02	MP25277-PS1	4570	33727	9162	2026
14:06	MP25277-S1	4627	33943	9215	1992
14:10	MP25277-S2	4623	33628	9232	1937
14:14	ZZZZZZ	4567	33945	9187	2058
14:18	ZZZZZZ	4567	33927	9190	2062
14:23	MA10806-CCV6	4691	34360	9226	1949
14:27	MA10806-CCB6	4897	36032	9301	2338
14:31	ZZZZZZ	4652	34521	9194	2133
14:35	ZZZZZZ	4353	31616	8955	1829
14:40	ZZZZZZ	4561	33355	9278	1971
14:44	ZZZZZZ	4650	34384	9276	2124
14:48	ZZZZZZ	4238	31285	8837	1811
14:53	ZZZZZZ	4492	33191	9102	1966
14:57	ZZZZZZ	4662	34722	9243	2138
15:01	ZZZZZZ	4563	33869	9168	2069

INTERNAL STANDARD SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10806
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:05	ZZZZZZ	4739	35062	9118	2103
15:10	ZZZZZZ	4719	34704	9299	2071
15:14	MA10806-CCV7	4663	33732	9066	1939
15:18	MA10806-CCB7	4845	35794	9121	2327
15:22	ZZZZZZ	4626	34338	9202	2115
15:27	ZZZZZZ	4592	34072	9146	2084
15:31	ZZZZZZ	4595	34122	9395	2096
15:35	ZZZZZZ	4817	34649	9309	2317
15:39	ZZZZZZ	4626	34296	9319	2113
15:44	ZZZZZZ	4844	36257	9333	2338
15:48	MP25277-MB2A	4829	36109	9261	2327
15:52	MA10806-CRIA2	4778	35349	9245	2223
15:56	MA10806-ICSA2	4226	30363	8838	1683
16:01	MA10806-ICSAB2	4254	30250	8806	1665
16:05	MA10806-CCV8	4673	33881	9101	1959
16:09	MA10806-CCB8	4901	36368	9282	2354
16:14	MA10806-CCV9	4646	33851	9047	1949
16:18	MA10806-CCB9	4836	35841	9120	2329

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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10806 Units: ug/l

Time:			09:33		10:19		11:10		12:00	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-0.10	<200	3.5	<200	0.70	<200	2.8	<200
Antimony	6.0	1.3	-0.70	<6.0	-1.3	<6.0	-0.70	<6.0	-1.4	<6.0
Arsenic	10	1.6	-0.20	<10	-0.40	<10	-0.40	<10	-0.80	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	-0.10	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	-2.0	<1000	4.9	<1000	5.2	<1000	6.6	<1000
Chromium	10	1.8	-0.20	<10	-0.10	<10	0.10	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-0.80	<300	4.8	<300	9.6	<300	6.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	11.6	<5000	16.7	<5000	12.4	<5000	0.10	<5000
Manganese	15	.7								
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-6.4	<10000	-8.0	<10000	-1.8	<10000	11.6	<10000
Selenium	10	2	-0.80	<10	0.10	<10	-0.80	<10	0.20	<10
Silver	10	.5	anr							
Sodium	10000	500	4.5	<10000	7.1	<10000	7.0	<10000	6.7	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10806 Units: ug/l

Time:			12:38		13:36		14:27		15:18	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.70	<200	-0.30	<200	-2.5	<200	-1.8	<200
Antimony	6.0	1.3	-0.20	<6.0	0.60	<6.0	0.40	<6.0	0.40	<6.0
Arsenic	10	1.6	-0.80	<10	0.10	<10	0.10	<10	-0.50	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.10	<5.0	0.0	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	1.5	<1000	-0.40	<1000	-1.0	<1000	1.3	<1000
Chromium	10	1.8	0.20	<10	0.10	<10	0.0	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	4.7	<300	-0.80	<300	-0.50	<300	1.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	20.7	<5000	-11	<5000	-6.2	<5000	7.3	<5000
Manganese	15	.7								
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	18.3	<10000	1.2	<10000	14.7	<10000	16.0	<10000
Selenium	10	2	0.70	<10	0.60	<10	0.30	<10	0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	8.7	<10000	-1.7	<10000	8.8	<10000	15.2	<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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10806 Units: ug/l

Time:			16:09	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	15	1.9	<200
Antimony	6.0	1.3	-0.30	<6.0
Arsenic	10	1.6	-0.10	<10
Barium	200	1	anr	
Beryllium	4.0	.5		
Cadmium	5.0	.5	0.0	<5.0
Calcium	1000	50	0.90	<1000
Chromium	10	1.8	0.0	<10
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	3.1	<300
Lead	5.0	1.1	anr	
Magnesium	5000	74	8.1	<5000
Manganese	15	.7		
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200	20.3	<10000
Selenium	10	2	-0.50	<10
Silver	10	.5	anr	
Sodium	10000	500	6.0	<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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10806 Units: ug/l

Time:		09:24			10:12			11:06	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41400	103.5	40000	40100	100.3	40000	40200	100.5
Antimony	2000	1980	99.0	2000	1910	95.5	2000	1930	96.5
Arsenic	2000	1990	99.5	2000	1930	96.5	2000	1940	97.0
Barium	anr								
Beryllium									
Cadmium	2000	2050	102.5	2000	2020	101.0	2000	2030	101.5
Calcium	40000	42300	105.8	40000	40100	100.3	40000	40200	100.5
Chromium	2000	2080	104.0	2000	2080	104.0	2000	2090	104.5
Cobalt									
Copper	anr								
Iron	40000	41100	102.8	40000	38900	97.3	40000	38900	97.3
Lead	anr								
Magnesium	40000	39700	99.3	40000	38800	97.0	40000	39000	97.5
Manganese									
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	38200	95.5	40000	38000	95.0
Selenium	2000	2000	100.0	2000	1920	96.0	2000	1940	97.0
Silver	anr								
Sodium	40000	42100	105.3	40000	40400	101.0	40000	40400	101.0
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10806 Units: ug/l

Time:		11:56			12:34			13:28	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40600	101.5	40000	39400	98.5
Antimony	2000	1870	93.5	2000	1940	97.0	2000	1980	99.0
Arsenic	2000	1900	95.0	2000	1950	97.5	2000	1980	99.0
Barium	anr								
Beryllium									
Cadmium	2000	2020	101.0	2000	2040	102.0	2000	2010	100.5
Calcium	40000	40300	100.8	40000	40600	101.5	40000	39800	99.5
Chromium	2000	2070	103.5	2000	2090	104.5	2000	1990	99.5
Cobalt									
Copper	anr								
Iron	40000	38200	95.5	40000	39300	98.3	40000	40400	101.0
Lead	anr								
Magnesium	40000	38500	96.3	40000	39400	98.5	40000	39500	98.8
Manganese									
Molybdenum									
Nickel	anr								
Potassium	40000	38500	96.3	40000	38700	96.8	40000	39400	98.5
Selenium	2000	1880	94.0	2000	1940	97.0	2000	1990	99.5
Silver	anr								
Sodium	40000	40800	102.0	40000	40800	102.0	40000	39400	98.5
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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10806 Units: ug/l

Time:		14:23			15:14			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	39700	99.3	40000	39700	99.3
Antimony	2000	1970	98.5	2000	1980	99.0	2000	1980	99.0
Arsenic	2000	1970	98.5	2000	1980	99.0	2000	1980	99.0
Barium	anr								
Beryllium									
Cadmium	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Calcium	40000	39800	99.5	40000	40100	100.3	40000	39900	99.8
Chromium	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Cobalt									
Copper	anr								
Iron	40000	39900	99.8	40000	40300	100.8	40000	40300	100.8
Lead	anr								
Magnesium	40000	39200	98.0	40000	39600	99.0	40000	39600	99.0
Manganese									
Molybdenum									
Nickel	anr								
Potassium	40000	39100	97.8	40000	39500	98.8	40000	39300	98.3
Selenium	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Silver	anr								
Sodium	40000	39600	99.0	40000	39700	99.3	40000	39700	99.3
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10806 Units: ug/l

Time:		09:17	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79900	99.9
Antimony	4000	3920	98.0
Arsenic	4000	3950	98.8
Barium	anr		
Beryllium			
Cadmium	4000	3950	98.8
Calcium	80000	79200	99.0
Chromium	4000	3990	99.8
Cobalt			
Copper	anr		
Iron	80000	78400	98.0
Lead	anr		
Magnesium	80000	79100	98.9
Manganese			
Molybdenum			
Nickel	anr		
Potassium	80000	79500	99.4
Selenium	4000	3930	98.3
Silver	anr		
Sodium	80000	79800	99.8
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10806 Units: ug/l

Time:			09:37		15:52	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	206	103.0	202	101.0
Antimony	10	5.0	5.0	100.0	4.1	82.0
Arsenic	20	10	9.6	96.0	9.9	99.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.3	106.0	5.3	106.0
Calcium	2000	1000	1070	107.0	1060	106.0
Chromium	20	10	10.9	109.0	10.4	104.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	377	125.7	340	113.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5010	100.2	5090	101.8
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9730	97.3	10200	102.0
Selenium	20	10	9.2	92.0	9.5	95.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10200	102.0
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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB060713M1.ICP Date Analyzed: 06/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10806 Units: ug/l

Time:			09:54		10:03		15:56		16:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	517000	103.4	514000	102.8	506000	101.2	508000	101.6
Antimony		1000	0.40		999	99.9	0.20		1040	104.0
Arsenic		1000	-1.1		1010	101.0	-0.40		1030	103.0
Barium		500	-0.10		505	101.0	-0.20		513	102.6
Beryllium		500	-0.10		475	95.0	-0.30		487	97.4
Cadmium		1000	0.10		927	92.7	-0.30		922	92.2
Calcium	500000	500000	481000	96.2	481000	96.2	477000	95.4	475000	95.0
Chromium		500	0.30		500	100.0	0.0		479	95.8
Cobalt		500	0.10		460	92.0	0.40		457	91.4
Copper		500	0.0		534	106.8	0.0		530	106.0
Iron	200000	200000	175000	87.5	181000	90.5	181000	90.5	186000	93.0
Lead		1000	-0.60		983	98.3	-1.7		949	94.9
Magnesium	500000	500000	494000	98.8	495000	99.0	498000	99.6	500000	100.0
Manganese		500	0.60		482	96.4	0.50		491	98.2
Molybdenum		1000	0.0		861	86.1	0.10		905	90.5
Nickel		1000	-0.20		871	87.1	-0.70		899	89.9
Potassium			3.5		11.9		10.1		14.1	
Selenium		1000	1.0		961	96.1	2.0		988	98.8
Silver		1000	-0.10		1020	102.0	0.0		1020	102.0
Sodium			107		85.4		121		97.3	
Strontium		1000	11.8		984	98.4	12.2		1010	101.0
Thallium		1000	0.0		925	92.5	-1.1		949	94.9
Tin		1000	-1.2		902	90.2	-0.50		904	90.4
Titanium		1000	-1.2		961	96.1	-1.4		988	98.8
Vanadium		500	-0.90		486	97.2	-1.1		475	95.0
Zinc		1000	1.1		938	93.8	0.90		926	92.6

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25270
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/06/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	5.1	<200
Antimony	6.0	1.3	1.3	0.30	<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	0.0	<5.0
Calcium	1000	50	50	3.7	<1000
Chromium	10	1.8	2	0.20	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-4.0	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	11.3	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-65	<10000
Selenium	10	2	2	1.3	<10
Silver	10	.5	.5		
Sodium	10000	500	500	54.7	<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 MP25270: FA5176-1

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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25270
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/06/13					06/06/13	
Metal	FA5255-2 Original	DUP	RPD	QC Limits	FA5255-2 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	442	460	4.0	0-20	442	28800	27000	105.0	80-120
Antimony	0.0	0.0	NC	0-20	0.0	535	500	107.0	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2100	2000	105.0	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	51.9	50	103.8	80-120
Calcium	554	548	1.1	0-20	554	27200	25000	106.6	80-120
Chromium	0.0	0.0	NC	0-20	0.0	208	200	104.0	80-120
Cobalt									
Copper	anr								
Iron	295	304	3.0	0-20	295	29100	26000	110.8	80-120
Lead	anr								
Magnesium	1670	1650	1.2	0-20	1670	28200	25000	106.1	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	0.00	0.00	NC	0-20	0.00	26800	25000	107.2	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2100	2000	105.0	80-120
Silver	anr								
Sodium	7520	7500	0.3	0-20	7520	33400	25000	103.5	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP25270: FA5176-1

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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25270
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/06/13

Metal	FA5255-2 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	442	27900	27000	101.7	3.2	20
Antimony	0.0	519	500	103.8	3.0	20
Arsenic	0.0	2040	2000	102.0	2.9	20
Barium	anr					
Beryllium						
Cadmium	0.0	50.8	50	101.6	2.1	20
Calcium	554	26500	25000	103.8	2.6	20
Chromium	0.0	202	200	101.0	2.9	20
Cobalt						
Copper	anr					
Iron	295	28000	26000	106.6	3.9	20
Lead	anr					
Magnesium	1670	27400	25000	102.9	2.9	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	0.00	25900	25000	103.6	3.4	20
Selenium	0.0	2030	2000	101.5	3.4	20
Silver	anr					
Sodium	7520	32600	25000	100.3	2.4	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP25270: FA5176-1

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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25270
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/06/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	29300	27000	108.5	80-120
Antimony	552	500	110.4	80-120
Arsenic	2160	2000	108.0	80-120
Barium	anr			
Beryllium				
Cadmium	53.3	50	106.6	80-120
Calcium	27600	25000	110.4	80-120
Chromium	214	200	107.0	80-120
Cobalt				
Copper	anr			
Iron	29800	26000	114.6	80-120
Lead	anr			
Magnesium	27500	25000	110.0	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	27500	25000	110.0	80-120
Selenium	2160	2000	108.0	80-120
Silver	anr			
Sodium	27000	25000	108.0	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25270: FA5176-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25270
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/06/13

Metal	FA5255-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	442	499	12.7 (a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	554	872	57.3 (a)	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	295	293	0.7	0-10
Lead	anr			
Magnesium	1670	1800	7.7	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	0.00	0.00	NC	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	7520	8160	8.6	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25270: FA5176-1

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: FA5176
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25270
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/06/13

Metal	Sample ml	Final ml	FA5255-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	442.4	433.552	2866	0.2	125	2500	97.3	80-120
Antimony	9.8	10	0	0	104.7	0.2	5	100	104.7	80-120
Arsenic	9.8	10	0	0	101.9	0.2	5	100	101.9	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	51.6	0.2	2.5	50	103.2	80-120
Calcium	9.8	10	554.2	543.116	6349	0.2	250	5000	116.1	80-120
Chromium	9.8	10	0	0	51.2	0.2	2.5	50	102.4	80-120
Cobalt										
Copper										
Iron	9.8	10	294.8	288.904	3399	0.2	150	3000	103.7	80-120
Lead										
Magnesium	9.8	10	1671	1637.58	6640	0.2	250	5000	100.0	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	0	0	10060	0.2	500	10000	100.6	80-120
Selenium	9.8	10	0	0	100.7	0.2	5	100	100.7	80-120
Silver										
Sodium	9.8	10	7516	7365.68	17130	0.2	500	10000	97.6	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25270: FA5176-1

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

06/24/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA5341

Sampling Date: 06/06/13

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: **65**

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: FA5341

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
FA5341-1	06/06/13	11:15	TP	06/07/13	AQ	Ground Water	A-34-022
FA5341-1F	06/06/13	11:15	TP	06/07/13	AQ	Ground Water	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA5341

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 6/24/2013 9:59:58 AM

1 Sample was collected on 06/06/2013 and was received at Accutest SE on 06/07/2013 properly preserved, at 2.8 Deg. C and intact. The Sample received an Accutest job number of FA5341. 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:** MP25307

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) FA5343-1DUP, FA5343-1MS, FA5343-1MSD, FA5343-1PS, FA5343-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Aluminum are outside control limits for sample MP25307-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Aluminum are outside control limits for sample MP25307-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

FA5341-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA5341-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA5341-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA5341-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA5341-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA5341-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN56137

All method blanks for this batch meet method specific criteria.

Sample(s) FA5337-62DUP was used as the QC samples for Specific Conductivity.

The following sample was run outside of holding time for method EPA 120.1: FA5341-1. Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21814

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) FA5338-1MS, FA5338-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

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

FA5341-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21831

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) FA5223-1MSD, FA5223-1MS were used as the QC samples for Fluoride.

Matrix Spike Recovery(s) for Fluoride are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21804

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) FA5322-1MS, FA5322-1MSD were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21813

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5232-5DUP, FA5232-5MSD were used as the QC samples for Phosphorus, Total.

GP21813-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:** GN56138

Sample(s) FA5341-1DUP was used as the QC sample for pH.

FA5341-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN56270

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5290-4DUP, FA5290-4MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN56181

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5232-5DUP was used as the QC sample for Solids, Total Dissolved.

FA5341-1 for Solids, Total Dissolved: Confirmed by reanalysis in GN56280.

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: June 24, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA5341
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 06/06/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA5341-1	**A-34-022**					
Aluminum		1230	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.228	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		2.79	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		593	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.36	0.050	0.010	mg/l	SW846 6010C
Iron		1280	1.5	0.15	mg/l	SW846 6010C
Magnesium		884	25	0.37	mg/l	SW846 6010C
Potassium		365	50	1.0	mg/l	SW846 6010C
Selenium [a]		0.0210 J	0.050	0.010	mg/l	SW846 6010C
Sodium		638	100	5.0	mg/l	SW846 6010C
Chloride		172 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		5280	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		4230	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved [b]		20200	100	10	mg/l	SM19 2540C
Specific Conductivity [c]		11000	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		13000	400	120	mg/l	EPA 300/SW846 9056A
pH [d]		2.33			su	SM 4500H B/SW 9040C
FA5341-1F	**A-34-022**					
Phosphate, Ortho		1710	500	95	mg/l	EPA 365.3

(a) Elevated reporting limit(s) due to matrix interference.
(b) Confirmed by reanalysis in GN56280.
(c) Sample analyzed beyond hold time.
(d) Field analysis required. Received out of hold time and analyzed by request.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA5341-1	**Date Sampled:**	06/06/13
Matrix:	AQ - Ground Water	**Date Received:**	06/07/13
		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	1230	1.0	0.075	mg/l	5	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	0.228	0.050	0.013	mg/l	5	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	2.79	0.025	0.0025	mg/l	5	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	593	5.0	0.25	mg/l	5	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2.36	0.050	0.010	mg/l	5	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	1280	1.5	0.15	mg/l	5	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	884	25	0.37	mg/l	5	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	365	50	1.0	mg/l	5	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	0.0210 J	0.050	0.010	mg/l	5	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	638	100	5.0	mg/l	10	06/13/13	06/14/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10826
(2) Prep QC Batch: MP25307

(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:	FA5341-1	**Date Sampled:**	06/06/13
Matrix:	AQ - Ground Water	**Date Received:**	06/07/13
		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	06/15/13 11:30	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/15/13 11:30	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	06/15/13 11:30	HH	SM19 2320B
Chloride	172 J	200	80	mg/l	100	06/07/13 17:39	AA	EPA 300/SW846 9056A
Fluoride	5280	400	120	mg/l	2000	06/11/13 15:07	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	06/07/13 17:39	AA	EPA 300/SW846 9056A
Phosphorus, Total	4230	1000	280	mg/l	10000	06/10/13 09:35	LE	EPA 365.3
Solids, Total Dissolved [b]	20200	100	10	mg/l	1	06/11/13 10:30	KC	SM19 2540C
Specific Conductivity [c]	11000	1.0	1.0	umhos/cm	1	06/07/13 15:02	LE	EPA 120.1
Sulfate	13000	400	120	mg/l	200	06/07/13 17:56	AA	EPA 300/SW846 9056A
pH [d]	2.33			su	1	06/07/13 15:20	LE	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Confirmed by reanalysis in GN56280.
(c) Sample analyzed beyond hold time.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA5341-1F	**Date Sampled:**	06/06/13
Matrix:	AQ - Ground Water	**Date Received:**	06/07/13
		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	500	95	mg/l	5000	06/07/13 11:40	KC	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 # FA5341 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): Tyson Potter

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
01	A-34-022	060613	1115	TRP	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 Tyson Potter	060613 1230	2 FX	3 FX	6-7-13	4 J. Cooper (ABN) 09:30
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

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

5.1 5

FA5341: Chain of Custody
Page 1 of 3

FA 5341

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.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 5341 CLIENT: WSP PROJECT: AGAIUM

DATE/TIME RECEIVED: 6.7-13 09:30 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3246 9305

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 JC 6-7-13 REVIEWER SIGNATURE/DATE [signature] 06/07/13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA5341: 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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10821
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:57	MA10821-STD1	1		STDA
08:00	MA10821-STD2	1		STDB
08:06	MA10821-STD3	1		STDC
08:09	MA10821-STD4	1		STDD
08:14	MA10821-HSTD1	1		
08:22	MA10821-ICV1	1		
08:29	MA10821-ICB1	1		
08:34	MA10821-CRIA1	1		
08:42	MA10821-ICSA1	1		
08:54	MA10821-ICSAB1	1		
09:00	MA10821-CCV1	1		
09:06	MA10821-CCB1	1		
09:10	MP25301-MB1	1		
09:15	MP25301-B1	1		
09:19	FA5428-1	1		(sample used for QC only; not part of login FA5341)
09:23	MP25301-D1	1		
09:28	MP25301-SD1	5		
09:32	MP25301-PS1	1		
09:37	MP25301-S1	1		
09:41	MP25301-S2	1		
09:45	ZZZZZZ	1		
09:49	ZZZZZZ	1		
09:54	MA10821-CCV2	1		
09:58	MA10821-CCB2	1		
10:02	ZZZZZZ	1		
10:07	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:20	ZZZZZZ	1		
10:25	ZZZZZZ	1		
10:29	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:38	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10821
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:43	ZZZZZZ	1		
10:47	MA10821-CCV3	1		
10:51	MA10821-CCB3	1		
10:56	ZZZZZZ	1		
11:00	ZZZZZZ	1		
11:05	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:14	ZZZZZZ	1		
11:18	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:27	MP25306-MB1	1		
11:31	MP25306-B1	1		
11:36	FA5349-1	1		(sample used for QC only; not part of login FA5341)
11:40	MA10821-CCV4	1		
11:45	MA10821-CCB4	1		
11:49	MP25306-D1	1		
11:54	MP25306-SD1	5		
11:58	MP25306-S1	1		
12:03	MP25306-S2	1		
12:07	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:16	FA5395-3	1		(sample used for QC only; not part of login FA5341)
12:21	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:35	MA10821-CCV5	1		
12:39	MA10821-CCB5	1		
12:44	MP25306-D2	1		
12:48	MP25306-D3	1		
12:53	MP25306-MB2	1		
12:58	MP25306-B2	1		
13:02	MP25306-MB3	1		
13:07	MP25306-B3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10821
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:11	FA5145-25R	2		(sample used for QC only; not part of login FA5341)
13:16	MP25296-D1	2		
13:20	MP25296-S1	2		
13:25	MP25296-S2	2		
13:29	MA10821-CCV6	1		
13:33	MA10821-CCB6	1		
13:38	MP25296-PS1	2		
13:42	MP25296-SD1	10		
13:46	ZZZZZZ	2		
13:51	ZZZZZZ	2		
13:55	ZZZZZZ	4		
14:00	ZZZZZZ	10		
14:04	ZZZZZZ	5		
14:08	ZZZZZZ	5		
14:13	ZZZZZZ	2		
14:17	ZZZZZZ	4		
14:22	MA10821-CCV7	1		
14:26	MA10821-CCB7	1		
14:51	MA10821-CCV8	1		
14:55	MA10821-CCB8	1		
15:00	MP25307-MB1	1		
15:04	MP25307-B1	1		
15:08	FA5343-1	1		(sample used for QC only; not part of login FA5341)
15:13	MP25307-D1	1		
15:17	MP25307-SD1	5		
15:22	MP25307-PS1	1		
15:26	MP25307-S1	1		
15:31	MP25307-S2	1		
15:35	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:44	MA10821-CCV9	1		
15:48	MA10821-CCB9	1		
15:53	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10821
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	15:57	ZZZZZZ	1		
	16:02	ZZZZZZ	1		
	16:06	ZZZZZZ	1		
	16:10	ZZZZZZ	1		
	16:15	ZZZZZZ	1		
	16:19	ZZZZZZ	1		
	16:24	ZZZZZZ	1		
	16:28	ZZZZZZ	1		
	16:33	ZZZZZZ	1		
	16:37	MA10821-CCV10	1		
	16:42	MA10821-CCB10	1		
	16:46	ZZZZZZ	1		
	16:51	ZZZZZZ	1		
	16:55	ZZZZZZ	1		
	16:59	ZZZZZZ	1		
	17:04	ZZZZZZ	1		
	17:08	ZZZZZZ	1		
	17:18	MP25307-MB2A	1		
---------->	Last reportable sample/prep for job FA5341				
	17:22	MP25308-MB1	1		
	17:27	MP25308-B1	1		
	17:31	MA10821-CCV11	1		
	17:35	MA10821-CCB11	1		
	17:40	FA5387-1	1		(sample used for QC only; not part of login FA5341)
	17:44	MP25308-D1	1		
	17:49	MP25308-SD1	5		
	17:53	MP25308-PS1	1		
	17:58	MP25308-S1	1		
	18:02	MP25308-S2	1		
	18:06	ZZZZZZ	1		
	18:11	ZZZZZZ	1		
	18:15	ZZZZZZ	1		
	18:20	ZZZZZZ	1		
	18:24	MA10821-CCV12	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10821
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:28	MA10821-CCB12	1		
18:33	ZZZZZZ	1		
18:38	ZZZZZZ	1		
18:42	ZZZZZZ	1		
18:46	ZZZZZZ	1		
18:51	ZZZZZZ	1		
18:55	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:04	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:18	MA10821-CCV13	1		
19:22	MA10821-CCB13	1		
19:27	ZZZZZZ	1		
19:31	ZZZZZZ	1		
19:36	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:45	MP25308-MB2A	1		
19:49	MP25308-MB3A	1		
19:54	MA10821-CRIA2	1		
19:58	MA10821-ICSA2	1		
20:03	MA10821-ICSAB2	1		
20:07	MA10821-CCV14	1		
20:12	MA10821-CCB14	1		

----------> Last reportable CCB for job FA5341
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10821
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:57	MA10821-STD1	4105	30601	8382	1927
08:00	MA10821-STD2	4085	30160	8425	1808
08:06	MA10821-STD3	3949	29159	8353	1643
08:09	MA10821-STD4	3803	28474	8247	1523
08:14	MA10821-HSTD1	3806	28390	8218	1519
08:22	MA10821-ICV1	3946	29165	8278	1653
08:29	MA10821-ICB1	4129 R	30548 R	8416 R	1936 R
08:34	MA10821-CRIA1	4081	30255	8409	1867
08:42	MA10821-ICSA1	3667	26562	8101	1416
08:54	MA10821-ICSAB1	3646	26585	8002	1385
09:00	MA10821-CCV1	3960	29404	8266	1644
09:06	MA10821-CCB1	4121	30659	8365	1928
09:10	MP25301-MB1	4126	30963	8468	1929
09:15	MP25301-B1	4013	29631	8380	1727
09:19	FA5428-1	4057	30126	8449	1809
09:23	MP25301-D1	4055	30311	8485	1818
09:28	MP25301-SD1	4131	30789	8411	1912
09:32	MP25301-PS1	4032	30100	8445	1767
09:37	MP25301-S1	3983	29599	8400	1676
09:41	MP25301-S2	3972	29628	8359	1669
09:45	ZZZZZZ	3993	29888	8345	1757
09:49	ZZZZZZ	4031	30010	8453	1759
09:54	MA10821-CCV2	3997	29627	8375	1658
09:58	MA10821-CCB2	4122	30779	8384	1925
10:02	ZZZZZZ	4032	30075	8448	1736
10:07	ZZZZZZ	4160	31442	8503	1947
10:11	ZZZZZZ	3965	29738	8510	1656
10:16	ZZZZZZ	3957	30117	8384	1791
10:20	ZZZZZZ	3977	29910	8371	1779
10:25	ZZZZZZ	3863	28993	8161	1758
10:29	ZZZZZZ	3849	28941	8145	1696
10:34	ZZZZZZ	3974	29914	8328	1811
10:38	ZZZZZZ	4060	30744	8355	1935

INTERNAL STANDARD SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10821
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:43	ZZZZZZ	4055	30828	8356	1934
10:47	MA10821-CCV3	3903	29273	8138	1651
10:51	MA10821-CCB3	4060	30499	8245	1928
10:56	ZZZZZZ	3984	30019	8283	1839
11:00	ZZZZZZ	3921	29783	8283	1773
11:05	ZZZZZZ	4122	31086	8683	1784
11:09	ZZZZZZ	3803	28699	8062	1723
11:14	ZZZZZZ	4067	30691	8570	1775
11:18	ZZZZZZ	3918	29623	8297	1764
11:23	ZZZZZZ	4140	31345	8741	1792
11:27	MP25306-MB1	4063	30953	8311	1935
11:31	MP25306-B1	3940	29683	8242	1724
11:36	FA5349-1	3837	28613	8184	1713
11:40	MA10821-CCV4	3890	29259	8172	1638
11:45	MA10821-CCB4	4049	30626	8201	1920
11:49	MP25306-D1	3846	28734	8194	1707
11:54	MP25306-SD1	3967	29852	8091	1833
11:58	MP25306-S1	3818	28639	8200	1615
12:03	MP25306-S2	3825	28637	8186	1620
12:07	ZZZZZZ	3797	28350	8159	1669
12:12	ZZZZZZ	3779	28455	8169	1652
12:16	FA5395-3	3759	28770	8121	1688
12:21	ZZZZZZ	3763	28775	8182	1686
12:26	ZZZZZZ	3760	28813	8133	1692
12:30	ZZZZZZ	3761	28412	8217	1653
12:35	MA10821-CCV5	3876	29183	8156	1635
12:39	MA10821-CCB5	4024	30391	8237	1910
12:44	MP25306-D2	3821	28629	8196	1705
12:48	MP25306-D3	3761	28729	8179	1691
12:53	MP25306-MB2	3799	28430	8216	1696
12:58	MP25306-B2	3794	28554	8193	1607
13:02	MP25306-MB3	4036	30915	8400	1927
13:07	MP25306-B3	3906	29755	8281	1718

INTERNAL STANDARD SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10821
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:11	FA5145-25R	3860	29165	8178	1603
13:16	MP25296-D1	3810	28711	8188	1521
13:20	MP25296-S1	3815	28647	8119	1533
13:25	MP25296-S2	3842	28890	8242	1555
13:29	MA10821-CCV6	3885	29284	8100	1635
13:33	MA10821-CCB6	4019	30503	8193	1909
13:38	MP25296-PS1	3830	28970	8191	1578
13:42	MP25296-SD1	3963	29825	8141	1778
13:46	ZZZZZZ	4856	36289	10082	1693
13:51	ZZZZZZ	4855	36382	9978	1746
13:55	ZZZZZZ	5070	37930	10454	1685
14:00	ZZZZZZ	4907	36877	10194	1741
14:04	ZZZZZZ	4934	36996	10290	1694
14:08	ZZZZZZ	4956	36844	10321	1702
14:13	ZZZZZZ	5131	38197	10595	1741
14:17	ZZZZZZ	4644	34941	9566	1744
14:22	MA10821-CCV7	3855	29147	8107	1629
14:26	MA10821-CCB7	4016	30448	8155	1901
14:51	MA10821-CCV8	3842	29168	8100	1621
14:55	MA10821-CCB8	4003	30406	8167	1900
15:00	MP25307-MB1	4000	30637	8335	1900
15:04	MP25307-B1	3873	29511	8164	1693
15:08	FA5343-1	3949	30306	8243	1843
15:13	MP25307-D1	3961	30380	8315	1852
15:17	MP25307-SD1	4000	30511	8246	1896
15:22	MP25307-PS1	3934	29989	8215	1781
15:26	MP25307-S1	3866	29381	8230	1672
15:31	MP25307-S2	3878	29538	8167	1682
15:35	ZZZZZZ	3992	30705	8278	1888
15:39	ZZZZZZ	4004	30521	8325	1878
15:44	MA10821-CCV9	3824	29038	8086	1617
15:48	MA10821-CCB9	3986	30310	8205	1904
15:53	ZZZZZZ	3990	30506	8306	1891

INTERNAL STANDARD SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10821
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:57	ZZZZZZ	3983	30579	8318	1886
16:02	ZZZZZZ	3987	30503	8335	1887
16:06	ZZZZZZ	4023	30700	8405	1844
16:10	ZZZZZZ	3929	30009	8258	1853
16:15	ZZZZZZ	3968	30253	8213	1878
16:19	ZZZZZZ	3959	30230	8239	1873
16:24	ZZZZZZ	3977	30448	8271	1884
16:28	ZZZZZZ	3927	29766	8322	1746
16:33	ZZZZZZ	3860	29444	8267	1746
16:37	MA10821-CCV10	3822	29003	8112	1619
16:42	MA10821-CCB10	3959	30244	8134	1894
16:46	ZZZZZZ	3852	29386	8289	1695
16:51	ZZZZZZ	3864	29426	8211	1768
16:55	ZZZZZZ	3906	29941	8318	1784
16:59	ZZZZZZ	3934	29867	8420	1689
17:04	ZZZZZZ	3856	29532	8275	1756
17:08	ZZZZZZ	3723	28403	8122	1649
17:18	MP25307-MB2A	3956	30523	8294	1894
17:22	MP25308-MB1	3964	30636	8197	1901
17:27	MP25308-B1	3845	29441	8222	1696
17:31	MA10821-CCV11	3805	29038	8119	1617
17:35	MA10821-CCB11	3966	30331	8197	1897
17:40	FA5387-1	3924	30225	8323	1855
17:44	MP25308-D1	3926	30212	8258	1864
17:49	MP25308-SD1	3965	30378	8271	1888
17:53	MP25308-PS1	3913	30112	8297	1789
17:58	MP25308-S1	3853	29386	8268	1674
18:02	MP25308-S2	3832	29251	8216	1666
18:06	ZZZZZZ	3937	30369	8313	1864
18:11	ZZZZZZ	3905	30053	8242	1853
18:15	ZZZZZZ	3984	30651	8313	1889
18:20	ZZZZZZ	3995	30656	8292	1891
18:24	MA10821-CCV12	3810	28832	8117	1611

INTERNAL STANDARD SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10821
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:28	MA10821-CCB12	3987	30364	8172	1903
18:33	ZZZZZZ	3960	30301	8206	1858
18:38	ZZZZZZ	3868	29628	8173	1804
18:42	ZZZZZZ	3861	29528	8237	1805
18:46	ZZZZZZ	3851	29514	8188	1803
18:51	ZZZZZZ	3754	28596	8078	1703
18:55	ZZZZZZ	3809	29095	8155	1763
19:00	ZZZZZZ	3809	28987	8176	1749
19:04	ZZZZZZ	3957	30066	8253	1877
19:09	ZZZZZZ	3901	29577	8233	1801
19:13	ZZZZZZ	3775	28753	8079	1721
19:18	MA10821-CCV13	3818	28815	8096	1629
19:22	MA10821-CCB13	3958	29829	8140	1901
19:27	ZZZZZZ	3801	28892	8173	1751
19:31	ZZZZZZ	3812	28986	8113	1753
19:36	ZZZZZZ	3956	30073	8252	1874
19:40	ZZZZZZ	3858	29161	8167	1789
19:45	MP25308-MB2A	3969	30369	8285	1906
19:49	MP25308-MB3A	3961	30152	8239	1906
19:54	MA10821-CRIA2	3912	29429	8125	1832
19:58	MA10821-ICSA2	3498	25801	7814	1386
20:03	MA10821-ICSAB2	3480	25736	7759	1366
20:07	MA10821-CCV14	3800	28459	8001	1619
20:12	MA10821-CCB14	3942	29664	8082	1898

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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10821 Units: ug/l

Time:			08:29		09:06		09:58		10:51	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.6	<200	14.1	<200	7.9	<200	7.0	<200
Antimony	6.0	1.3	0.60	<6.0	1.0	<6.0	0.70	<6.0	0.40	<6.0
Arsenic	10	1.6	0.20	<10	-0.20	<10	0.30	<10	0.80	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	-2.1	<1000	11.6	<1000	3.8	<1000	-1.2	<1000
Chromium	10	1.8	-0.10	<10	-0.20	<10	-0.10	<10	-0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-2.0	<300	5.8	<300	6.8	<300	3.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.90	<5000	3.5	<5000	-14	<5000	-5.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-34	<10000	-38	<10000	4.8	<10000	-49	<10000
Selenium	10	2	1.6	<10	1.1	<10	2.3	<10	0.20	<10
Silver	10	.5	anr							
Sodium	10000	500	1.0	<10000	6.5	<10000	9.0	<10000	7.1	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10821 Units: ug/l

Time:			11:45		12:39		13:33		14:26	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.4	<200	5.8	<200	6.0	<200	10.3	<200
Antimony	6.0	1.3	0.60	<6.0	1.5	<6.0	0.20	<6.0	1.1	<6.0
Arsenic	10	1.6	-0.10	<10	0.70	<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	0.20	<5.0
Calcium	1000	50	2.4	<1000	5.1	<1000	20.4	<1000	7.2	<1000
Chromium	10	1.8	0.20	<10	-0.40	<10	-0.20	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	6.1	<300	11.2	<300	9.3	<300	13.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-2.9	<5000	-0.50	<5000	-3.5	<5000	-14	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-21	<10000	-20	<10000	-3.2	<10000	-17	<10000
Selenium	10	2	1.4	<10	2.7	<10	2.7	<10	1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	25.1	<10000	42.2	<10000	42.0	<10000	17.0	<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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10821 Units: ug/l

Time:			14:55		15:48		16:42		17:35	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	4.2	<200	1.2	<200	6.6	<200	-1.8	<200
Antimony	6.0	1.3	1.1	<6.0	1.4	<6.0	1.2	<6.0	1.2	<6.0
Arsenic	10	1.6	0.60	<10	0.20	<10	0.70	<10	0.20	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.50	<5.0	0.40	<5.0	0.30	<5.0	0.30	<5.0
Calcium	1000	50	13.8	<1000	5.1	<1000	5.1	<1000	6.2	<1000
Chromium	10	1.8	0.30	<10	0.30	<10	0.0	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	13.5	<300	10.0	<300	10.8	<300	14.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	15.3	<5000	18.7	<5000	4.5	<5000	12.8	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	29.0	<10000	30.3	<10000	19.0	<10000	22.1	<10000
Selenium	10	2	0.60	<10	0.50	<10	0.80	<10	-0.10	<10
Silver	10	.5	anr							
Sodium	10000	500	20.0	<10000	11.0	<10000	10.2	<10000	26.1	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10821 Units: ug/l

Time:			18:28		19:22		20:12	
Sample ID:			CCB12		CCB13		CCB14	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	0.80	<200	1.4	<200	18.2	<200
Antimony	6.0	1.3	0.60	<6.0	1.0	<6.0	1.9	<6.0
Arsenic	10	1.6	0.20	<10	0.50	<10	0.20	<10
Barium	200	1	anr					
Beryllium	4.0	.5	anr					
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	7.2	<1000	8.6	<1000	22.2	<1000
Chromium	10	1.8	0.60	<10	0.0	<10	0.30	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	15.3	<300	13.6	<300	25.2	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	15.5	<5000	-0.10	<5000	24.1	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	16.9	<10000	27.1	<10000	12.5	<10000
Selenium	10	2	0.0	<10	0.10	<10	1.0	<10
Silver	10	.5	anr					
Sodium	10000	500	11.1	<10000	8.6	<10000	18.5	<10000
Strontium	10	.5						
Thallium	10	1.3	anr					
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5	anr					
Zinc	20	3	anr					

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10821 Units: ug/l

Time:		08:22			09:00			09:54	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41200	103.0	40000	40400	101.0	40000	39800	99.5
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2000	100.0
Arsenic	2000	2030	101.5	2000	2010	100.5	2000	1990	99.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2030	101.5	2000	2020	101.0
Calcium	40000	42200	105.5	40000	40700	101.8	40000	40600	101.5
Chromium	2000	2060	103.0	2000	2010	100.5	2000	2000	100.0
Cobalt	anr								
Copper	anr								
Iron	40000	41900	104.8	40000	41000	102.5	40000	40600	101.5
Lead	anr								
Magnesium	40000	40400	101.0	40000	40600	101.5	40000	40300	100.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41800	104.5	40000	40300	100.8	40000	39900	99.8
Selenium	2000	2050	102.5	2000	2020	101.0	2000	2000	100.0
Silver	anr								
Sodium	40000	42000	105.0	40000	40100	100.3	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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10821 Units: ug/l

Time:		10:47			11:40			12:35	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	41200	103.0	40000	41300	103.3
Antimony	2000	2050	102.5	2000	2050	102.5	2000	2060	103.0
Arsenic	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Calcium	40000	41700	104.3	40000	41700	104.3	40000	41600	104.0
Chromium	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Iron	40000	41300	103.3	40000	41300	103.3	40000	41300	103.3
Lead	anr								
Magnesium	40000	41300	103.3	40000	41400	103.5	40000	41400	103.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	41200	103.0	40000	41200	103.0
Selenium	2000	2050	102.5	2000	2050	102.5	2000	2060	103.0
Silver	anr								
Sodium	40000	40800	102.0	40000	41000	102.5	40000	41000	102.5
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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10821 Units: ug/l

Time:		13:29			14:22			14:51	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	41200	103.0	40000	39900	99.8
Antimony	2000	2060	103.0	2000	2070	103.5	2000	1990	99.5
Arsenic	2000	2050	102.5	2000	2060	103.0	2000	1990	99.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2020	101.0
Calcium	40000	41800	104.5	40000	41600	104.0	40000	40200	100.5
Chromium	2000	1980	99.0	2000	1970	98.5	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	40000	41400	103.5	40000	41100	102.8	40000	40700	101.8
Lead	anr								
Magnesium	40000	41600	104.0	40000	41100	102.8	40000	40200	100.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41400	103.5	40000	41300	103.3	40000	39900	99.8
Selenium	2000	2050	102.5	2000	2060	103.0	2000	2000	100.0
Silver	anr								
Sodium	40000	41200	103.0	40000	41100	102.8	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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10821 Units: ug/l

Time:		15:44			16:37			17:31	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	39700	99.3	40000	39500	98.8
Antimony	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	2000	100.0	2000	2000	100.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Calcium	40000	40300	100.8	40000	40200	100.5	40000	39900	99.8
Chromium	2000	2020	101.0	2000	2030	101.5	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	40000	41000	102.5	40000	40700	101.8	40000	40400	101.0
Lead	anr								
Magnesium	40000	40200	100.5	40000	39800	99.5	40000	39300	98.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40100	100.3	40000	39900	99.8	40000	40000	100.0
Selenium	2000	2010	100.5	2000	2010	100.5	2000	2030	101.5
Silver	anr								
Sodium	40000	40100	100.3	40000	40000	100.0	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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10821 Units: ug/l

Time:		18:24			19:18			20:07	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39600	99.0	40000	39400	98.5
Antimony	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Arsenic	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2050	102.5	2000	2070	103.5
Calcium	40000	40100	100.3	40000	40100	100.3	40000	40300	100.8
Chromium	2000	2040	102.0	2000	2070	103.5	2000	2100	105.0
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	40900	102.3	40000	41200	103.0
Lead	anr								
Magnesium	40000	39700	99.3	40000	39700	99.3	40000	39900	99.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40200	100.5	40000	40200	100.5	40000	40200	100.5
Selenium	2000	2040	102.0	2000	2030	101.5	2000	2050	102.5
Silver	anr								
Sodium	40000	40200	100.5	40000	40200	100.5	40000	40300	100.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10821 Units: ug/l

Time:		08:14	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79900	99.9
Antimony	4000	4020	100.5
Arsenic	4000	4030	100.8
Barium	anr		
Beryllium	anr		
Cadmium	4000	3980	99.5
Calcium	80000	79400	99.3
Chromium	4000	4000	100.0
Cobalt	anr		
Copper	anr		
Iron	80000	80200	100.3
Lead	anr		
Magnesium	80000	80200	100.3
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80000	100.0
Selenium	4000	4010	100.3
Silver	anr		
Sodium	80000	80000	100.0
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10821 Units: ug/l

Time:			08:34		19:54	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	207	103.5	200	100.0
Antimony	10	5.0	6.0	120.0	5.4	108.0
Arsenic	20	10	10.3	103.0	11.5	115.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.4	108.0	5.4	108.0
Calcium	2000	1000	1100	110.0	1090	109.0
Chromium	20	10	10.3	103.0	10.9	109.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	339	113.0	345	115.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5170	103.4	5180	103.6
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10400	104.0	10400	104.0
Selenium	20	10	12.9	129.0	11.0	110.0
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10400	104.0
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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061313M1.ICP Date Analyzed: 06/13/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10821 Units: ug/l

Time:			08:42		08:54		19:58		20:03	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	511000	102.2	515000	103.0	496000	99.2	500000	100.0
Antimony		1000	1.8		1030	103.0	2.6		1040	104.0
Arsenic		1000	-0.50		1030	103.0	-0.20		1050	105.0
Barium		500	0.10		530	106.0	0.20		528	105.6
Beryllium		500	-0.40		506	101.2	-0.20		504	100.8
Cadmium		1000	0.0		932	93.2	0.30		951	95.1
Calcium	500000	500000	479000	95.8	477000	95.4	475000	95.0	474000	94.8
Chromium		500	-0.20		483	96.6	0.50		502	100.4
Cobalt		500	-0.90		467	93.4	-0.90		464	92.8
Copper		500	0.0		538	107.6	0.20		545	109.0
Iron	200000	200000	186000	93.0	197000	98.5	187000	93.5	198000	99.0
Lead		1000	0.10		989	98.9	2.2		981	98.1
Magnesium	500000	500000	501000	100.2	504000	100.8	492000	98.4	494000	98.8
Manganese		500	0.0		497	99.4	0.10		510	102.0
Molybdenum		1000	-0.20		909	90.9	0.10		901	90.1
Nickel		1000	0.0		923	92.3	0.30		934	93.4
Potassium			-29		-5.6		91.8		85.2	
Selenium		1000	0.0		991	99.1	-0.10		1020	102.0
Silver		1000	0.20		1030	103.0	0.20		1040	104.0
Sodium			95.6		151		131		192	
Strontium		1000	11.9		1030	103.0	12.3		1040	104.0
Thallium		1000	0.0		986	98.6	1.5		976	97.6
Tin		1000	2.8		905	90.5	3.4		907	90.7
Titanium		1000	-3.3		963	96.3	-3.2		991	99.1
Vanadium		500	-0.10		482	96.4	0.10		493	98.6
Zinc		1000	-1.6		940	94.0	-1.2		947	94.7

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10826
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:18	MA10826-STD1	1		STDA
09:22	MA10826-STD2	1		STDB
09:26	MA10826-STD3	1		STDC
09:30	MA10826-STD4	1		STDD
09:34	MA10826-HSTD1	1		
09:39	MA10826-ICV1	1		
09:45	MA10826-ICB1	1		
09:49	MA10826-CRIA1	1		
09:58	MA10826-ICSA1	1		
10:05	MA10826-ICSAB1	1		
10:14	MA10826-CCV1	1		
10:21	MA10826-CCB1	1		
10:27	FA5341-1	10		
10:31	FA5341-1	5		
---------->	Last reportable sample/prep for job FA5341			
10:36	ZZZZZZ	4		
10:40	ZZZZZZ	4		
10:44	ZZZZZZ	4		
10:49	ZZZZZZ	5		
10:53	ZZZZZZ	5		
10:57	ZZZZZZ	50		
11:01	ZZZZZZ	50		
11:05	MP25309-MB2	1		
11:10	MA10826-CCV2	1		
11:14	MA10826-CCB2	1		
11:30	MP25313-MB1	1		
11:34	MP25313-B1	1		
11:38	FA5495-1	1		(sample used for QC only; not part of login FA5341)
11:42	MP25313-D1	1		
11:46	MP25313-SD1	5		
11:51	MP25313-PS1	1		
11:55	MP25313-S1	1		
11:59	MP25313-S2	1		
12:03	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10826
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:07	ZZZZZZ	1		
12:11	MA10826-CCV3	1		
12:15	MA10826-CCB3	1		
12:19	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:02	MA10826-CCV4	1		
13:06	MA10826-CCB4	1		
13:10	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:40	MP25313-MB2A	1		
13:44	MA10826-CRIA2	1		
13:49	MA10826-ICSA2	1		
13:53	MA10826-CCV5	1		
13:57	MA10826-CCB5	1		
14:01	MA10826-ICSAB2	1		
14:06	MA10826-CCV6	1		
14:10	MA10826-CCB6	1		

----------> Last reportable CCB for job FA5341
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10826
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:18	MA10826-STD1	5023	33567	9548	2359
09:22	MA10826-STD2	4917	32793	9441	2214
09:26	MA10826-STD3	4768	31709	9412	2020
09:30	MA10826-STD4	4644	31262	9390	1862
09:34	MA10826-HSTD1	4626	31000	9355	1852
09:39	MA10826-ICV1	4740	31606	9320	1989
09:45	MA10826-ICB1	5050 R	33375 R	9543 R	2344 R
09:49	MA10826-CRIA1	4987	33014	9533	2261
09:58	MA10826-ICSA1	4401	28711	9192	1764
10:05	MA10826-ICSAB1	4398	28834	9156	1725
10:14	MA10826-CCV1	4773	31573	9419	1965
10:21	MA10826-CCB1	5008	32974	9492	2296
10:27	FA5341-1	5037	33171	10005	1981
10:31	FA5341-1	5248	34548	10741	1848
10:36	ZZZZZZ	5560	36698	10803	2165
10:40	ZZZZZZ	5507	36088	10629	2175
10:44	ZZZZZZ	5486	36666	10688	2178
10:49	ZZZZZZ	5519	36587	10762	2215
10:53	ZZZZZZ	5496	36558	10741	2195
10:57	ZZZZZZ	4897	32332	9552	2209
11:01	ZZZZZZ	4921	32475	9538	2216
11:05	MP25309-MB2	4807	31591	9600	2102
11:10	MA10826-CCV2	4780	31294	9550	1987
11:14	MA10826-CCB2	4983	32738	9604	2306
11:30	MP25313-MB1	5046	33407	9748	2323
11:34	MP25313-B1	4798	31522	9467	2061
11:38	FA5495-1	4839	32096	9670	2140
11:42	MP25313-D1	4833	32236	9627	2131
11:46	MP25313-SD1	4969	32724	9659	2252
11:51	MP25313-PS1	4811	31716	9520	2102
11:55	MP25313-S1	4729	31444	9641	2010
11:59	MP25313-S2	4727	31216	9563	2009
12:03	ZZZZZZ	4755	31538	9563	2064

INTERNAL STANDARD SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10826
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:07	ZZZZZZ	4729	31136	9496	2052
12:11	MA10826-CCV3	4826	31264	9434	1992
12:15	MA10826-CCB3	5002	32749	9568	2291
12:19	ZZZZZZ	4745	31375	9508	2075
12:24	ZZZZZZ	4814	31873	9570	2122
12:28	ZZZZZZ	4941	32760	9743	2190
12:32	ZZZZZZ	4981	32750	9690	2271
12:36	ZZZZZZ	4869	32260	9573	2185
12:41	ZZZZZZ	4814	31811	9532	2131
12:45	ZZZZZZ	4798	31714	9563	2114
12:49	ZZZZZZ	4822	32016	9694	2107
12:53	ZZZZZZ	4839	31791	9573	2131
12:58	ZZZZZZ	4818	32080	9659	2128
13:02	MA10826-CCV4	4774	31329	9470	1955
13:06	MA10826-CCB4	5000	32517	9538	2276
13:10	ZZZZZZ	4766	31693	9541	2101
13:14	ZZZZZZ	4866	32282	9635	2180
13:19	ZZZZZZ	4798	31884	9548	2135
13:23	ZZZZZZ	4666	30720	9396	1972
13:27	ZZZZZZ	4752	31817	9590	2153
13:31	ZZZZZZ	4642	30609	9454	1963
13:36	ZZZZZZ	4696	31291	9479	2059
13:40	MP25313-MB2A	5032	33406	9933	2302
13:44	MA10826-CRIA2	4948	32690	9714	2219
13:49	MA10826-ICSA2	4371	28665	9334	1731
13:53	MA10826-CCV5	4747	31675	9546	1943
13:57	MA10826-CCB5	5006	32964	9626	2277
14:01	MA10826-ICSAB2	4336	28295	9290	1700
14:06	MA10826-CCV6	4810	31602	9655	1978
14:10	MA10826-CCB6	5024	33343	9663	2293

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

LEGEND:

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

INTERNAL STANDARD SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10826
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10826 Units: ug/l

Time:			09:45		10:21		11:14		12:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-1.8	<200	-0.10	<200	-3.8	<200	-0.30	<200
Antimony	6.0	1.3	-0.90	<6.0	-2.4	<6.0	-2.0	<6.0	-1.7	<6.0
Arsenic	10	1.6	-0.10	<10	0.60	<10	0.90	<10	0.30	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.30	<5.0	0.20	<5.0
Calcium	1000	50	-2.7	<1000	2.5	<1000	3.3	<1000	3.1	<1000
Chromium	10	1.8	0.20	<10	0.20	<10	0.40	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	4.0	<300	3.3	<300	7.7	<300	6.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-2.3	<5000	2.2	<5000	6.0	<5000	2.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-9.5	<10000	-28	<10000	-50	<10000	-39	<10000
Selenium	10	2	-0.10	<10	-0.30	<10	0.40	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	12.6	<10000	2.4	<10000	20.6	<10000	13.0	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3								

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10826 Units: ug/l

Time:			13:06		13:57		14:10	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	2.1	<200	4.4	<200	4.4	<200
Antimony	6.0	1.3	-2.2	<6.0	-2.0	<6.0	-1.9	<6.0
Arsenic	10	1.6	0.0	<10	-0.10	<10	0.40	<10
Barium	200	1	anr					
Beryllium	4.0	.5						
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	4.0	<1000	10.7	<1000	7.2	<1000
Chromium	10	1.8	0.40	<10	0.40	<10	0.30	<10
Cobalt	50	.5						
Copper	25	1	anr					
Iron	300	29	7.8	<300	11.4	<300	10.8	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	-3.9	<5000	5.3	<5000	10.0	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	-32	<10000	45.8	<10000	-1.0	<10000
Selenium	10	2	-0.40	<10	-0.30	<10	-0.10	<10
Silver	10	.5	anr					
Sodium	10000	500	15.2	<10000	34.6	<10000	16.8	<10000
Strontium	10	.5						
Thallium	10	1.3						
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5						
Zinc	20	3						

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10826 Units: ug/l

Time:		09:39			10:14			11:10	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41400	103.5	40000	40600	101.5	40000	40600	101.5
Antimony	2000	2030	101.5	2000	1960	98.0	2000	1970	98.5
Arsenic	2000	2030	101.5	2000	1980	99.0	2000	1980	99.0
Barium	anr								
Beryllium									
Cadmium	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0
Calcium	40000	42400	106.0	40000	40800	102.0	40000	40500	101.3
Chromium	2000	2070	103.5	2000	2070	103.5	2000	2100	105.0
Cobalt									
Copper	anr								
Iron	40000	41900	104.8	40000	39700	99.3	40000	39500	98.8
Lead	anr								
Magnesium	40000	40300	100.8	40000	39500	98.8	40000	39300	98.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41500	103.8	40000	39200	98.0	40000	38500	96.3
Selenium	2000	2040	102.0	2000	1970	98.5	2000	1970	98.5
Silver	anr								
Sodium	40000	42200	105.5	40000	40600	101.5	40000	40700	101.8
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10826 Units: ug/l

Time:		12:11			13:02			13:53	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	41100	102.8	40000	41300	103.3
Antimony	2000	1930	96.5	2000	1950	97.5	2000	1980	99.0
Arsenic	2000	1950	97.5	2000	1970	98.5	2000	1990	99.5
Barium	anr								
Beryllium									
Cadmium	2000	2030	101.5	2000	2060	103.0	2000	2070	103.5
Calcium	40000	41100	102.8	40000	41100	102.8	40000	41100	102.8
Chromium	2000	2110	105.5	2000	2110	105.5	2000	2090	104.5
Cobalt									
Copper	anr								
Iron	40000	39500	98.8	40000	39400	98.5	40000	39600	99.0
Lead	anr								
Magnesium	40000	39500	98.8	40000	39300	98.3	40000	39300	98.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	38900	97.3	40000	39000	97.5	40000	39300	98.3
Selenium	2000	1940	97.0	2000	1960	98.0	2000	1990	99.5
Silver	anr								
Sodium	40000	41200	103.0	40000	41300	103.3	40000	41500	103.8
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10826 Units: ug/l

Time:		14:06	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Aluminum	40000	40800	102.0
Antimony	2000	1940	97.0
Arsenic	2000	1950	97.5
Barium	anr		
Beryllium			
Cadmium	2000	2030	101.5
Calcium	40000	40500	101.3
Chromium	2000	2080	104.0
Cobalt			
Copper	anr		
Iron	40000	39100	97.8
Lead	anr		
Magnesium	40000	38700	96.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	38800	97.0
Selenium	2000	1950	97.5
Silver	anr		
Sodium	40000	41100	102.8
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10826 Units: ug/l

Time:		09:34	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79800	99.8
Antimony	4000	4000	100.0
Arsenic	4000	4010	100.3
Barium	anr		
Beryllium			
Cadmium	4000	3970	99.3
Calcium	80000	79300	99.1
Chromium	4000	4010	100.3
Cobalt			
Copper	anr		
Iron	80000	79400	99.3
Lead	anr		
Magnesium	80000	79400	99.3
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80300	100.4
Selenium	4000	3990	99.8
Silver	anr		
Sodium	80000	80200	100.3
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10826 Units: ug/l

Time:			09:49		13:44	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	208	104.0	209	104.5
Antimony	10	5.0	4.6	92.0	2.5	50.0*(a)
Arsenic	20	10	10.0	100.0	9.9	99.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.3	106.0	5.4	108.0
Calcium	2000	1000	1070	107.0	1080	108.0
Chromium	20	10	10.8	108.0	11.2	112.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	338	112.7	318	106.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5100	102.0	4950	99.0
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9800	98.0	9800	98.0
Selenium	20	10	9.0	90.0	10.2	102.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	10400	104.0
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

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

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

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB061413M1.ICP Date Analyzed: 06/14/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10826 Units: ug/l

Time:			09:58		10:05		13:49		14:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	507000	101.4	505000	101.0	514000	102.8	517000	103.4
Antimony		1000	0.90		1000	100.0	-0.80		1010	101.0
Arsenic		1000	0.60		1010	101.0	-1.6		1030	103.0
Barium		500	0.10		521	104.2	0.0		530	106.0
Beryllium		500	-0.10		487	97.4	-0.10		486	97.2
Cadmium		1000	-0.70		943	94.3	0.40		958	95.8
Calcium	500000	500000	479000	95.8	472000	94.4	478000	95.6	481000	96.2
Chromium		500	0.20		492	98.4	0.30		507	101.4
Cobalt		500	0.30		469	93.8	0.30		477	95.4
Copper		500	-1.0		526	105.2	-0.80		543	108.6
Iron	200000	200000	177000	88.5	187000	93.5	174000	87.0	186000	93.0
Lead		1000	0.0		995	99.5	-2.9		1010	101.0
Magnesium	500000	500000	483000	96.6	482000	96.4	475000	95.0	478000	95.6
Manganese		500	0.30		489	97.8	0.40		492	98.4
Molybdenum		1000	0.0		870	87.0	0.30		874	87.4
Nickel		1000	0.10		897	89.7	-0.10		897	89.7
Potassium			-32		-26		146		130	
Selenium		1000	0.0		970	97.0	-3.3		987	98.7
Silver		1000	0.20		967	96.7	0.60		988	98.8
Sodium			99.8		141		140		236	
Strontium		1000	12.1		985	98.5	12.1		991	99.1
Thallium		1000	0.0		945	94.5	1.4		943	94.3
Tin		1000	-0.50		898	89.8	-1.0		906	90.6
Titanium		1000	-1.7		945	94.5	-1.6		953	95.3
Vanadium		500	0.10		480	96.0	-0.50		495	99.0
Zinc		1000	2.2		953	95.3	1.6		963	96.3

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					06/13/13		06/13/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15	-9.0	<200	29.3	<200
Antimony	6.0	1.3	1.3	1.2	<6.0	0.50	<6.0
Arsenic	10	1.6	2.5	-0.40	<10	-0.70	<10
Barium	200	1	1				
Beryllium	4.0	.5	.5				
Cadmium	5.0	.5	.5	-0.10	<5.0	-0.10	<5.0
Calcium	1000	50	50	3.0	<1000	25.0	<1000
Chromium	10	1.8	2	-0.10	<10	0.0	<10
Cobalt	50	.5	.5				
Copper	25	1	1				
Iron	300	29	29	-2.0	<300	93.0	<300
Lead	5.0	1.1	1.1				
Magnesium	5000	74	74	5.9	<5000	38.2	<5000
Manganese	15	.7	.7				
Molybdenum	50	.6	1				
Nickel	40	.5	.5				
Potassium	10000	200	200	23.0	<10000	210	<10000
Selenium	10	2	2	0.20	<10	1.2	<10
Silver	10	.5	.5				
Sodium	10000	500	500	2.5	<10000	172	<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 MP25307: FA5341-1

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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/13/13					06/13/13	
Metal	FA5343-1 Original	DUP	RPD	QC Limits	FA5343-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	42.8	34.0	22.9 (a)	0-20	42.8	29300	27000	108.4	80-120
Antimony	0.0	0.0	NC	0-20	0.0	528	500	105.6	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2110	2000	105.5	80-120
Barium									
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	52.6	50	105.2	80-120
Calcium	12400	11900	4.1	0-20	12400	39100	25000	106.8	80-120
Chromium	0.0	0.0	NC	0-20	0.0	217	200	108.5	80-120
Cobalt									
Copper									
Iron	2680	2560	4.6	0-20	2680	31200	26000	109.7	80-120
Lead									
Magnesium	2380	2300	3.4	0-20	2380	29000	25000	106.5	80-120
Manganese									
Molybdenum									
Nickel	anr								
Potassium	2000	1900	5.1	0-20	2000	29200	25000	108.8	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2090	2000	104.5	80-120
Silver									
Sodium	6200	5960	3.9	0-20	6200	33000	25000	107.2	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP25307: FA5341-1

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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/13/13

Metal	FA5343-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	42.8	29100	27000	107.6	0.7	20
Antimony	0.0	516	500	103.2	2.3	20
Arsenic	0.0	2060	2000	103.0	2.4	20
Barium						
Beryllium						
Cadmium	0.0	51.3	50	102.6	2.5	20
Calcium	12400	38800	25000	105.6	0.8	20
Chromium	0.0	212	200	106.0	2.3	20
Cobalt						
Copper						
Iron	2680	31200	26000	109.7	0.0	20
Lead						
Magnesium	2380	28800	25000	105.7	0.7	20
Manganese						
Molybdenum						
Nickel	anr					
Potassium	2000	29000	25000	108.0	0.7	20
Selenium	0.0	2020	2000	101.0	3.4	20
Silver						
Sodium	6200	32800	25000	106.4	0.6	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP25307: FA5341-1

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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/13/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28800	27000	106.7	80-120
Antimony	517	500	103.4	80-120
Arsenic	2040	2000	102.0	80-120
Barium				
Beryllium				
Cadmium	51.6	50	103.2	80-120
Calcium	27300	25000	109.2	80-120
Chromium	211	200	105.5	80-120
Cobalt				
Copper				
Iron	28200	26000	108.5	80-120
Lead				
Magnesium	26400	25000	105.6	80-120
Manganese				
Molybdenum				
Nickel	anr			
Potassium	26900	25000	107.6	80-120
Selenium	2040	2000	102.0	80-120
Silver				
Sodium	26600	25000	106.4	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25307: FA5341-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/13/13

Metal	FA5343-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	42.8	0.00	100.0(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	12400	12700	2.8	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron	2680	2690	0.1	0-10
Lead				
Magnesium	2380	2500	5.3	0-10
Manganese				
Molybdenum				
Nickel	anr			
Potassium	2000	1980	1.0	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	6200	6180	0.2	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25307: FA5341-1

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: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/13/13

Metal	Sample ml	Final ml	FA5343-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	42.8	41.944	2550	0.2	125	2500	100.3	80-120
Antimony	9.8	10	0	0	104	0.2	5	100	104.0	80-120
Arsenic	9.8	10	0	0	102.8	0.2	5	100	102.8	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	53.1	0.2	2.5	50	106.2	80-120
Calcium	9.8	10	12370	12122.6	18090	0.2	250	5000	119.3	80-120
Chromium	9.8	10	0	0	52.9	0.2	2.5	50	105.8	80-120
Cobalt										
Copper										
Iron	9.8	10	2682	2628.36	5791	0.2	150	3000	105.4	80-120
Lead										
Magnesium	9.8	10	2376	2328.48	7365	0.2	250	5000	100.7	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	2004	1963.92	12180	0.2	500	10000	102.2	80-120
Selenium	9.8	10	0	0	100.7	0.2	5	100	100.7	80-120
Silver										
Sodium	9.8	10	6196	6072.08	16330	0.2	500	10000	102.6	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25307: FA5341-1

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: FA5341
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	GN56270	5.0	2.5	mg/l	250	261	104.0	90-113%
Chloride	GP21814/GN56156	2.0	0.0	mg/l	50	53.5	107.0	90-110%
Fluoride	GP21831/GN56208	0.20	0.0	mg/l	2.5	2.63	105.2	90-110%
Nitrogen, Nitrate	GP21814/GN56156	0.10	0.0	mg/l	2.5	2.61	104.4	90-110%
Nitrogen, Nitrite	GP21814/GN56156	0.10	0.0	mg/l	2.5	2.51	100.4	90-110%
Phosphate, Ortho	GP21804/GN56140	0.10	0.0	mg/l	0.300	0.30	100.2	83-116%
Phosphorus, Total	GP21813/GN56175	0.10	0.0	mg/l	.300	0.29	97.6	81-118%
Solids, Total Dissolved	GN56181	100	26.0	mg/l				
Specific Conductivity	GN56137	1.0	0.0	umhos/cm				
Sulfate	GP21814/GN56156	2.0	0.0	mg/l	50	50.3	100.6	90-110%

Associated Samples:
Batch GN56137: FA5341-1
Batch GN56181: FA5341-1
Batch GN56270: FA5341-1
Batch GP21804: FA5341-1F
Batch GP21813: FA5341-1
Batch GP21814: FA5341-1
Batch GP21831: FA5341-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5341
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	GN56270	FA5290-4	mg/l	42.8	39.9	7.0	0-20%
Phosphorus, Total	GP21813/GN56175	FA5232-5	mg/l	3.8	3.6	4.5	0-22%
Solids, Total Dissolved	GN56181	FA5232-5	mg/l	408	413	1.2	0-5%
Specific Conductivity	GN56137	FA5337-62	umhos/cm	827	836	1.1	0-10%
pH	GN56138	FA5341-1	su	2.33	2.33	0.0	0-10%

Associated Samples:
Batch GN56137: FA5341-1
Batch GN56138: FA5341-1
Batch GN56181: FA5341-1
Batch GN56270: FA5341-1
Batch GP21813: FA5341-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5341
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	GN56270	FA5290-4	mg/l	42.8	250	272	91.6	90-113%
Chloride	GP21814/GN56156	FA5338-1	mg/l	9.2	50	62.8	107.2	90-110%
Fluoride	GP21831/GN56208	FA5223-1	mg/l	0.30 U	2.5	3.4	136.0N(a)	90-110%
Nitrogen, Nitrate	GP21814/GN56156	FA5338-1	mg/l	0.050 U	2.5	2.9	116.0N(a)	90-110%
Nitrogen, Nitrite	GP21814/GN56156	FA5338-1	mg/l	0.050 U	2.5	2.7	108.0	90-110%
Phosphate, Ortho	GP21804/GN56140	FA5322-1	mg/l	0.59	0.300	2.2	109.5	83-116%
Phosphorus, Total	GP21813/GN56175	FA5232-5	mg/l	3.8	.300	4.2	138.0(b)	81-118%
Sulfate	GP21814/GN56156	FA5338-1	mg/l	1.1	50	56.5	110.8N(a)	90-110%

Associated Samples:
Batch GN56270: FA5341-1
Batch GP21804: FA5341-1F
Batch GP21813: FA5341-1
Batch GP21814: FA5341-1
Batch GP21831: FA5341-1
(*) 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: FA5341
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	GP21814/GN56156	FA5338-1	mg/l	9.2	50	63.2	0.6	20%
Fluoride	GP21831/GN56208	FA5223-1	mg/l	0.30 U	2.5	2.9	15.9	20%
Nitrogen, Nitrate	GP21814/GN56156	FA5338-1	mg/l	0.050 U	2.5	2.8	3.5	20%
Nitrogen, Nitrite	GP21814/GN56156	FA5338-1	mg/l	0.050 U	2.5	2.8	3.6	20%
Phosphate, Ortho	GP21804/GN56140	FA5322-1	mg/l	0.59	0.300	2.33	4.4	26%
Phosphorus, Total	GP21813/GN56175	FA5232-5	mg/l	3.8	.300	4.15	1.5	22%
Sulfate	GP21814/GN56156	FA5338-1	mg/l	1.1	50	54.4	3.8	20%

Associated Samples:
Batch GP21804: FA5341-1F
Batch GP21813: FA5341-1
Batch GP21814: FA5341-1
Batch GP21831: FA5341-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313070601.TXT Date Analyzed: 06/07/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56156
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:17	GN56156-CCV1	1		
10:34	GP21814-MB1	1		
10:51	GP21814-B1	1		
11:41	ZZZZZZ	2		
12:15	GP21803-S3	1		
12:32	GP21803-S4	1		
12:49	FA5339-1	1		(sample used for QC only; not part of login FA5341)
13:06	ZZZZZZ	1		
13:25	GN56156-CCV2	1		
13:42	GN56156-CCB1	1		
13:59	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:33	ZZZZZZ	50		
14:50	FA5338-1	1		(sample used for QC only; not part of login FA5341)
15:07	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:58	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:49	GN56156-CCV3	1		
17:06	GN56156-CCB2	1		
17:23	FA5337-62	1		(sample used for QC only; not part of login FA5341)
17:39	FA5341-1	100		
17:56	FA5341-1	200		
18:13	GP21814-S1	1		
18:30	GP21814-S2	1		
18:47	GP21814-S3	1		
19:04	GP21814-S4	1		
19:21	GN56156-CCV4	1		
19:38	GN56156-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313070601.TXT Date Analyzed: 06/07/13 Methods: EPA 300/SW846 9056A
Run ID: GN56156 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56156-CCV1	Chloride	53.0	2.0	0.80	50	106.0	90-110
GN56156-CCV1	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN56156-CCV1	Sulfate	53.1	2.0	0.60	50	106.2	90-110
GN56156-CCV2	Chloride	53.3	2.0	0.80	50	106.6	90-110
GN56156-CCV2	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN56156-CCV2	Sulfate	53.6	2.0	0.60	50	107.2	90-110
GN56156-CCB1	Chloride	0.80 U	2.0	0.80			
GN56156-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56156-CCB1	Sulfate	0.60 U	2.0	0.60			
GN56156-CCV3	Chloride	52.0	2.0	0.80	50	104.0	90-110
GN56156-CCV3	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN56156-CCV3	Sulfate	53.1	2.0	0.60	50	106.2	90-110
GN56156-CCB2	Chloride	0.80 U	2.0	0.80			
GN56156-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56156-CCB2	Sulfate	0.60 U	2.0	0.60			
GN56156-CCV4	Chloride	51.9	2.0	0.80	50	103.8	90-110
GN56156-CCV4	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN56156-CCV4	Sulfate	53.5	2.0	0.60	50	107.0	90-110
GN56156-CCB3	Chloride	0.80 U	2.0	0.80			
GN56156-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56156-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213110601.TXT Date Analyzed: 06/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56208
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:25	GN56208-CCV1	1		
10:58	GP21831-MB1	1		
11:15	GP21831-B1	1		
12:14	ZZZZZZ	2		
12:31	ZZZZZZ	2		
12:48	ZZZZZZ	25		
13:05	FA5223-1	5		(sample used for QC only; not part of login FA5341)
13:22	ZZZZZZ	5		
13:39	ZZZZZZ	5		
14:17	GN56208-CCV2	1		
14:34	GN56208-CCB1	1		
14:50	ZZZZZZ	5		
15:07	FA5341-1	2000		
15:24	GP21831-S1	5		
15:41	GP21831-S2	5		
15:58	GN56208-CCV3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5341
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213110601.TXT Date Analyzed: 06/11/13 Methods: EPA 300/SW846 9056A
Run ID: GN56208 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56208-CCV1	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN56208-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56208-CCB1	Fluoride	0.060 U	0.20	0.060			
GN56208-CCV3	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

06/26/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA5438

Sampling Date: 06/10/13

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

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: FA5438

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
FA5438-1	06/10/13	10:35	TP	06/11/13	AQ	Ground Water	A-27-135
FA5438-1F	06/10/13	10:35	TP	06/11/13	AQ	Groundwater Filtered	A-27-135
FA5438-2	06/10/13	11:55	TP	06/11/13	AQ	Ground Water	A-27-090
FA5438-2F	06/10/13	11:55	TP	06/11/13	AQ	Groundwater Filtered	A-27-090
FA5438-3	06/10/13	13:35	TP	06/11/13	AQ	Ground Water	A-35-155
FA5438-3F	06/10/13	13:35	TP	06/11/13	AQ	Groundwater Filtered	A-35-155
FA5438-4	06/10/13	12:10	TP	06/11/13	AQ	Ground Water	DUP 06102013
FA5438-4F	06/10/13	12:10	TP	06/11/13	AQ	Groundwater Filtered	DUP 06102013

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA5438

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 6/26/2013 9:42:28 AM

4 Samples were collected on 06/10/2013 and were received at Accutest SE on 06/11/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA5438. 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:** MP25339

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) FA5476-1FDUP, FA5476-1FMS, FA5476-1FMSD, FA5476-1FPS, FA5476-1FSDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Aluminum, Potassium are outside control limits for sample MP25339-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN56191

Sample(s) FA5438-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA5438-1, FA5438-2, FA5438-4.

FA5438-1 for Specific Conductivity: Sample analyzed beyond hold time.

FA5438-2 for Specific Conductivity: Sample analyzed beyond hold time.

FA5438-4 for Specific Conductivity: Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21827

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) FA5159-1MS, FA5159-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

Matrix Spike Recovery(s) for Nitrogen, Nitrate and Sulfate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.
FA5438-1 for Chloride: Dilution required due to matrix interference.

FA5438-2 for Chloride: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21873

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) FA5438-3MSD, FA5438-3MS 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.

FA5438-3 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21948

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) FA5659-1MSD, FA5659-1MS were used as the QC samples for Fluoride.
Matrix Spike Recovery(s) for Fluoride are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA5438-1 for Fluoride: Dilution required due to matrix interference.

FA5438-2 for Fluoride: Dilution required due to matrix interference.

FA5438-4 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21822

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) FA5438-1FMSD, FA5438-1FMS 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:** GP21879

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5553-10MSD, FA5553-10MS were used as the QC samples for Phosphorus, Total.
Matrix Spike Recovery(s) for Phosphorus, Total are outside control limits. Spike amount low relative to the sample amount.
Refer to lab control or spike blank for recovery information.

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

Matrix: AQ **Batch ID:** GN56190

Sample(s) FA5438-1DUP was used as the QC sample for pH.

FA5438-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA5438-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA5438-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA5438-4 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN56368

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5421-1DUP, FA5421-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN56377

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5438-1DUP, FA5438-1MS 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. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN56280

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5451-5DUP 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: June 26, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA5438
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 06/10/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA5438-1	**A-27-135**					
Aluminum		0.0448 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0021 J	0.0060	0.0013	mg/l	SW846 6010C
Arsenic		0.0452	0.010	0.0025	mg/l	SW846 6010C
Cadmium		0.00070 J	0.0050	0.00050	mg/l	SW846 6010C
Calcium		382	1.0	0.050	mg/l	SW846 6010C
Magnesium		198	5.0	0.074	mg/l	SW846 6010C
Potassium		33.2	10	0.20	mg/l	SW846 6010C
Selenium		0.0465	0.010	0.0020	mg/l	SW846 6010C
Sodium		390	100	5.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		1070	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		1070	25	3.0	mg/l	SM19 2320B
Chloride [a]		90.3 J	100	40	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		35.3	5.0	2.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		129	50	0.028	mg/l	EPA 365.3
Solids, Total Dissolved		3540	500	50	mg/l	SM19 2540C
Specific Conductivity [b]		4350	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1590	100	30	mg/l	EPA 300/SW846 9056A
pH [c]		6.30			su	SM 4500H B/SW 9040C
FA5438-1F	**A-27-135**					
Phosphate, Ortho		88.3	25	4.8	mg/l	EPA 365.3
FA5438-2	**A-27-090**					
Aluminum		0.102 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0033 J	0.0060	0.0013	mg/l	SW846 6010C
Arsenic		0.0211	0.010	0.0025	mg/l	SW846 6010C
Cadmium		0.00050 J	0.0050	0.00050	mg/l	SW846 6010C
Calcium		379	1.0	0.050	mg/l	SW846 6010C
Iron		0.0766 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		215	5.0	0.074	mg/l	SW846 6010C
Potassium		46.8	10	0.20	mg/l	SW846 6010C
Selenium		0.0455	0.010	0.0020	mg/l	SW846 6010C
Sodium		302	100	5.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		790	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		790	25	3.0	mg/l	SM19 2320B
Chloride [a]		55.3 J	100	40	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		71.8	5.0	2.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		140	50	14	mg/l	EPA 365.3
Solids, Total Dissolved		3190	500	50	mg/l	SM19 2540C
Specific Conductivity [b]		4160	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1500	100	30	mg/l	EPA 300/SW846 9056A

Summary of Hits

Job Number: FA5438
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 06/10/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
pH [c]		6.16			su	SM 4500H B/SW 9040C
FA5438-2F	**A-27-090**					
Phosphate, Ortho		75.1	25	4.8	mg/l	EPA 365.3
FA5438-3	**A-35-155**					
Aluminum		0.0258 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0022 J	0.0060	0.0013	mg/l	SW846 6010C
Calcium		383	1.0	0.050	mg/l	SW846 6010C
Iron		0.0832 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		175	5.0	0.074	mg/l	SW846 6010C
Potassium		9.72 J	10	0.20	mg/l	SW846 6010C
Selenium		0.0029 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		83.7	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		376	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		376	5.0	0.60	mg/l	SM19 2320B
Chloride		41.7	20	8.0	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		1.3	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2.2	0.50	0.14	mg/l	EPA 365.3
Solids, Total Dissolved		2450	200	20	mg/l	SM19 2540C
Specific Conductivity		2500	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1280	50	15	mg/l	EPA 300/SW846 9056A
pH [c]		7.00			su	SM 4500H B/SW 9040C
FA5438-3F	**A-35-155**					
Phosphate, Ortho		0.33	0.20	0.038	mg/l	EPA 365.3
FA5438-4	**DUP 06102013**					
Aluminum		0.0432 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0029 J	0.0060	0.0013	mg/l	SW846 6010C
Calcium		380	1.0	0.050	mg/l	SW846 6010C
Iron		0.162 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		173	5.0	0.074	mg/l	SW846 6010C
Potassium		9.64 J	10	0.20	mg/l	SW846 6010C
Sodium		82.8	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		362	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		362	5.0	0.60	mg/l	SM19 2320B
Chloride		43.4	20	8.0	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		1.3	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2.3	0.50	0.14	mg/l	EPA 365.3
Solids, Total Dissolved		1220	200	20	mg/l	SM19 2540C

Summary of Hits

Job Number: FA5438
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 06/10/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity [b]	2520	1.0	1.0	umhos/cm	EPA 120.1
Sulfate	1250	50	15	mg/l	EPA 300/SW846 9056A
pH [c]	7.01			su	SM 4500H B/SW 9040C
FA5438-4F DUP 06102013					
Phosphate, Ortho	0.32	0.20	0.038	mg/l	EPA 365.3

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-27-135		
Lab Sample ID:	FA5438-1	**Date Sampled:**	06/10/13
Matrix:	AQ - Ground Water	**Date Received:**	06/11/13
		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	0.0448 J	0.20	0.015	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0021 J	0.0060	0.0013	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0452	0.010	0.0025	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00070 J	0.0050	0.00050	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	382	1.0	0.050	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.029 U	0.30	0.029	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	198	5.0	0.074	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	33.2	10	0.20	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0465	0.010	0.0020	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	390	100	5.0	mg/l	10	06/18/13	06/20/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10834
(2) Instrument QC Batch: MA10837
(3) Prep QC Batch: MP25339

RL = 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:	FA5438-1	**Date Sampled:**	06/10/13
Matrix:	AQ - Ground Water	**Date Received:**	06/11/13
		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	1070	5.0	5.0	mg/l	1	06/20/13 15:20	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/20/13 15:20	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	1070	25	3.0	mg/l	1	06/20/13 15:20	LE	SM19 2320B
Chloride [a]	90.3 J	100	40	mg/l	50	06/11/13 13:39	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	06/24/13 15:36	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	35.3	5.0	2.5	mg/l	50	06/11/13 13:39	AA	EPA 300/SW846 9056A
Phosphorus, Total	129	50	0.028	mg/l	500	06/18/13 09:30	LE	EPA 365.3
Solids, Total Dissolved	3540	500	50	mg/l	5	06/17/13 11:24	KC	SM19 2540C
Specific Conductivity [b]	4350	1.0	1.0	umhos/cm	1	06/11/13 13:30	KC	EPA 120.1
Sulfate	1590	100	30	mg/l	50	06/11/13 13:39	AA	EPA 300/SW846 9056A
pH [c]	6.30			su	1	06/11/13 13:55	KC	SM 4500H B/SW 9040C

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-27-135		
Lab Sample ID:	FA5438-1F	**Date Sampled:**	06/10/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/11/13
		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	88.3	25	4.8	mg/l	250	06/11/13 14:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-27-090		
Lab Sample ID:	FA5438-2	**Date Sampled:**	06/10/13
Matrix:	AQ - Ground Water	**Date Received:**	06/11/13
		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	0.102 J	0.20	0.015	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0033 J	0.0060	0.0013	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0211	0.010	0.0025	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00050 J	0.0050	0.00050	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	379	1.0	0.050	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.0766 J	0.30	0.029	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	215	5.0	0.074	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	46.8	10	0.20	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0455	0.010	0.0020	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	302	100	5.0	mg/l	10	06/18/13	06/20/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10834
(2) Instrument QC Batch: MA10837
(3) Prep QC Batch: MP25339

RL = 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:	FA5438-2	**Date Sampled:**	06/10/13
Matrix:	AQ - Ground Water	**Date Received:**	06/11/13
		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	790	5.0	5.0	mg/l	1	06/20/13 15:20	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/20/13 15:20	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	790	25	3.0	mg/l	1	06/20/13 15:20	LE	SM19 2320B
Chloride [a]	55.3 J	100	40	mg/l	50	06/11/13 13:55	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	06/24/13 15:53	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	71.8	5.0	2.5	mg/l	50	06/11/13 13:55	AA	EPA 300/SW846 9056A
Phosphorus, Total	140	50	14	mg/l	500	06/18/13 09:30	LE	EPA 365.3
Solids, Total Dissolved	3190	500	50	mg/l	5	06/17/13 11:24	KC	SM19 2540C
Specific Conductivity [b]	4160	1.0	1.0	umhos/cm	1	06/11/13 13:30	KC	EPA 120.1
Sulfate	1500	100	30	mg/l	50	06/11/13 13:55	AA	EPA 300/SW846 9056A
pH [c]	6.16			su	1	06/11/13 13:55	KC	SM 4500H B/SW 9040C

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-27-090		
Lab Sample ID:	FA5438-2F	**Date Sampled:**	06/10/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/11/13
		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	75.1	25	4.8	mg/l	250	06/11/13 14:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-35-155		
Lab Sample ID:	FA5438-3	**Date Sampled:**	06/10/13
Matrix:	AQ - Ground Water	**Date Received:**	06/11/13
		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	0.0258 J	0.20	0.015	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0022 J	0.0060	0.0013	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	383	1.0	0.050	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.0832 J	0.30	0.029	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	175	5.0	0.074	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	9.72 J	10	0.20	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0029 J	0.010	0.0020	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	83.7	10	0.50	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10834
(2) Prep QC Batch: MP25339

RL = 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:	FA5438-3	**Date Sampled:**	06/10/13
Matrix:	AQ - Ground Water	**Date Received:**	06/11/13
		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	376	5.0	5.0	mg/l	1	06/20/13 13:10	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/20/13 13:10	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	376	5.0	0.60	mg/l	1	06/20/13 13:10	HH	SM19 2320B
Chloride	41.7	20	8.0	mg/l	10	06/11/13 15:14	AA	EPA 300/SW846 9056A
Fluoride [a]	0.60 U	2.0	0.60	mg/l	10	06/14/13 13:20	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	1.3	1.0	0.50	mg/l	10	06/11/13 15:14	AA	EPA 300/SW846 9056A
Phosphorus, Total	2.2	0.50	0.14	mg/l	5	06/18/13 09:30	LE	EPA 365.3
Solids, Total Dissolved	2450	200	20	mg/l	2	06/17/13 11:24	KC	SM19 2540C
Specific Conductivity	2500	1.0	1.0	umhos/cm	1	06/11/13 13:30	KC	EPA 120.1
Sulfate	1280	50	15	mg/l	25	06/22/13 00:42	AC	EPA 300/SW846 9056A
pH [b]	7.00			su	1	06/11/13 13:55	KC	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-35-155		
Lab Sample ID:	FA5438-3F	**Date Sampled:**	06/10/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/11/13
		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	0.33	0.20	0.038	mg/l	2	06/11/13 14:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	DUP 06102013		
Lab Sample ID:	FA5438-4	**Date Sampled:**	06/10/13
Matrix:	AQ - Ground Water	**Date Received:**	06/11/13
		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	0.0432 J	0.20	0.015	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0029 J	0.0060	0.0013	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	380	1.0	0.050	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.162 J	0.30	0.029	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	173	5.0	0.074	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	9.64 J	10	0.20	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	82.8	10	0.50	mg/l	1	06/18/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10834
(2) Prep QC Batch: MP25339

RL = 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 06102013		
Lab Sample ID:	FA5438-4	**Date Sampled:**	06/10/13
Matrix:	AQ - Ground Water	**Date Received:**	06/11/13
		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	362	5.0	5.0	mg/l	1	06/20/13 13:10	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/20/13 13:10	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	362	5.0	0.60	mg/l	1	06/20/13 13:10	HH	SM19 2320B
Chloride	43.4	20	8.0	mg/l	10	06/11/13 15:31	AA	EPA 300/SW846 9056A
Fluoride [a]	0.60 U	2.0	0.60	mg/l	10	06/24/13 16:10	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	1.3	1.0	0.50	mg/l	10	06/11/13 15:31	AA	EPA 300/SW846 9056A
Phosphorus, Total	2.3	0.50	0.14	mg/l	5	06/18/13 09:30	LE	EPA 365.3
Solids, Total Dissolved	1220	200	20	mg/l	2	06/17/13 11:24	KC	SM19 2540C
Specific Conductivity [b]	2520	1.0	1.0	umhos/cm	1	06/11/13 13:30	KC	EPA 120.1
Sulfate	1250	50	15	mg/l	25	06/22/13 00:59	AC	EPA 300/SW846 9056A
pH [c]	7.01			su	1	06/11/13 13:55	KC	SM 4500H B/SW 9040C

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	DUP 06102013		
Lab Sample ID:	FA5438-4F	**Date Sampled:**	06/10/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/11/13
		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	0.32	0.20	0.038	mg/l	2	06/11/13 14:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA 5438 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: Jim.Huff@wspgroup.com
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed): Tyson Pattie

Project Information

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

Analytical Information: SEE ATTACHED

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

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	H2SO4	HNO3	NaOH	NaOH+ZnAc	DI WATER	MeOH	LAB USE ONLY
1	A-27-135	061013	1035	TRP	GW	4		X			X	X				
2	A-2-090	061013	1155			4		X			X	X				
3	A-25-155	061013	1325			4		X			X	X				
4	DUP 06101013	061013	1210			4		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]	061013 1500	2 FX	3 FX	6-11-13	4 [signature] (AASE) 09:45
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

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 5438 CLIENT: WSP PROJECT: AGRIUM

DATE/TIME RECEIVED: 6-11-13 09:45 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3227 5073

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 JC 6-11-13 REVIEWER SIGNATURE/DATE [signature] 06/11/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

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FA 5438

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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:11	MA10834-STD1	1		STDA
08:15	MA10834-STD2	1		STDB
08:19	MA10834-STD3	1		STDC
08:23	MA10834-STD4	1		STDD
08:28	MA10834-HSTD1	1		
08:37	MA10834-ICV1	1		
08:51	MA10834-ICB1	1		
08:56	MA10834-CRIA1	1		
09:05	MA10834-ICSA1	1		
09:13	MA10834-ICSAB1	1		
09:18	MA10834-CCV1	1		
09:27	MA10834-CCB1	1		
09:32	MP25339-MB1	1		
09:36	MP25339-B1	1		
09:40	FA5476-1F	1		(sample used for QC only; not part of login FA5438)
09:45	MP25339-D1	1		
09:49	MP25339-SD1	5		
09:54	MP25339-PS1	1		
09:58	MP25339-S1	1		
10:02	MP25339-S2	1		
10:07	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:16	MA10834-CCV2	1		
10:20	MA10834-CCB2	1		
10:25	ZZZZZZ	1		
10:29	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:47	ZZZZZZ	1		
10:52	FA5438-1	1		
10:56	FA5438-2	1		
11:01	FA5438-3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:06	FA5438-4	1		
	11:10	MA10834-CCV3	1		
	11:15	MA10834-CCB3	1		
	11:19	MP25339-MB2A	1		
---------->	Last reportable sample/prep for job FA5438				
	11:24	MP25337-MB1	1		
	11:28	MP25337-B1	1		
	11:33	FA5683-1	1		(sample used for QC only; not part of login FA5438)
	11:37	MP25337-D1	1		
	11:42	MP25337-SD1	5		
	11:46	MP25337-PS1	1		
	11:51	MP25337-S1	1		
	11:55	MP25337-S2	1		
	11:59	ZZZZZZ	1		
	12:04	MA10834-CCV4	1		
	12:08	MA10834-CCB4	1		
	12:32	ZZZZZZ	1		
	12:36	ZZZZZZ	1		
	12:41	ZZZZZZ	1		
	12:45	ZZZZZZ	1		
	12:50	ZZZZZZ	1		
	12:55	ZZZZZZ	1		
	13:00	MA10834-CCV5	1		
	13:04	MA10834-CCB5	1		
	13:08	ZZZZZZ	1		
	13:23	MP25344-MB1	1		
	13:28	MP25344-B1	1		
	13:32	FA5526-1	1		(sample used for QC only; not part of login FA5438)
	13:37	MP25344-D1	1		
	13:41	MP25344-SD1	5		
	13:46	MP25344-PS1	1		
	13:50	MP25344-S1	1		
	13:54	MA10834-CCV6	1		
	13:59	MA10834-CCB6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:03	MP25344-S2	1		
14:07	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:17	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:30	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:39	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:48	MA10834-CCV7	1		
14:53	MA10834-CCB7	1		
14:57	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:06	ZZZZZZ	1		
15:11	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:34	ZZZZZZ	1		
15:39	MP25344-MB2A	1		
15:43	MA10834-CCV8	1		
15:48	MA10834-CCB8	1		
15:52	MA10834-CRIA2	1		
15:57	MA10834-ICSA2	1		
16:01	MA10834-ICSAB2	1		
16:24	MA10834-CCV9	1		
16:28	MA10834-CCB9	1		

----------> Last reportable CCB for job FA5438
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:11	MA10834-STD1	2000	22162	8489	1202
08:15	MA10834-STD2	1939	21398	8387	1113
08:19	MA10834-STD3	1868	20636	8222	1014
08:23	MA10834-STD4	1797	19993	8116	940
08:28	MA10834-HSTD1	1812	20087	8116	943
08:37	MA10834-ICV1	1887	20769	8250	1017
08:51	MA10834-ICB1	2002 R	22101 R	8471 R	1204 R
08:56	MA10834-CRIA1	1969	21599	8458	1155
09:05	MA10834-ICSA1	1682	18334	7661	859
09:13	MA10834-ICSAB1	1675	18486	7666	850
09:18	MA10834-CCV1	1873	20684	8270	1013
09:27	MA10834-CCB1	2005	22231	8469	1201
09:32	MP25339-MB1	1980	22242	8475	1195
09:36	MP25339-B1	1878	20858	8311	1053
09:40	FA5476-1F	1872	20907	8246	1087
09:45	MP25339-D1	1875	20952	8318	1089
09:49	MP25339-SD1	1962	21780	8447	1165
09:54	MP25339-PS1	1856	20758	8281	1061
09:58	MP25339-S1	1816	20212	8177	1008
10:02	MP25339-S2	1833	20396	8168	1013
10:07	ZZZZZZ	1855	20751	8251	1072
10:11	ZZZZZZ	1840	20651	8214	1063
10:16	MA10834-CCV2	1865	20634	8270	1010
10:20	MA10834-CCB2	2001	22282	8472	1198
10:25	ZZZZZZ	1872	21112	8258	1090
10:29	ZZZZZZ	1870	21105	8241	1086
10:34	ZZZZZZ	1861	20991	8203	1076
10:38	ZZZZZZ	1877	21253	8275	1095
10:43	ZZZZZZ	1864	21062	8243	1082
10:47	ZZZZZZ	1868	21120	8222	1083
10:52	FA5438-1	1628	18221	7670	840
10:56	FA5438-2	1623	18243	7612	847
11:01	FA5438-3	1658	18922	7736	898

INTERNAL STANDARD SUMMARY

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:06	FA5438-4	1650	18845	7717	898
11:10	MA10834-CCV3	1849	20752	8210	1000
11:15	MA10834-CCB3	1973	22186	8388	1182
11:19	MP25339-MB2A	1936	22231	8395	1173
11:24	MP25337-MB1	1941	22335	8375	1175
11:28	MP25337-B1	1861	20820	8104	1035
11:33	FA5683-1	1951	22300	8338	1173
11:37	MP25337-D1	1955	22185	8316	1171
11:42	MP25337-SD1	1979	22441	8438	1183
11:46	MP25337-PS1	1889	21391	8158	1102
11:51	MP25337-S1	1865	20911	8119	1043
11:55	MP25337-S2	1864	20958	8147	1045
11:59	ZZZZZZ	1957	22220	8326	1169
12:04	MA10834-CCV4	1856	20802	8195	999
12:08	MA10834-CCB4	1970	22347	8406	1183
12:32	ZZZZZZ	2002	22345	8505	1133
12:36	ZZZZZZ	2109	23507	8984	1092
12:41	ZZZZZZ	1881	20989	8344	934
12:45	ZZZZZZ	1962	22026	8351	1146
12:50	ZZZZZZ	1861	20861	8478	829
12:55	ZZZZZZ	1873	21052	8536	831
13:00	MA10834-CCV5	1852	20843	8235	1000
13:04	MA10834-CCB5	1937	21933	8266	1163
13:08	ZZZZZZ	2044	23099	9319	816
13:23	MP25344-MB1	1951	22491	8419	1178
13:28	MP25344-B1	1844	20911	8186	1034
13:32	FA5526-1	1810	20700	8157	1040
13:37	MP25344-D1	1805	20723	8115	1038
13:41	MP25344-SD1	1895	21615	8288	1123
13:46	MP25344-PS1	1793	20466	8074	1018
13:50	MP25344-S1	1767	19955	7955	972
13:54	MA10834-CCV6	1821	20518	8104	987
13:59	MA10834-CCB6	1947	22028	8325	1171

INTERNAL STANDARD SUMMARY

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:03	MP25344-S2	1769	20101	7996	976
14:07	ZZZZZZ	1801	20491	8117	1041
14:12	ZZZZZZ	1867	21354	8257	1112
14:17	ZZZZZZ	1807	20653	8117	1050
14:21	ZZZZZZ	1748	20113	7986	1007
14:26	ZZZZZZ	1910	21938	8343	1155
14:30	ZZZZZZ	1858	21172	8226	1082
14:35	ZZZZZZ	1882	21473	8261	1111
14:39	ZZZZZZ	1901	21745	8354	1121
14:44	ZZZZZZ	1843	21314	8302	1099
14:48	MA10834-CCV7	1828	20615	8197	985
14:53	MA10834-CCB7	1953	22132	8401	1168
14:57	ZZZZZZ	1908	21923	8418	1135
15:02	ZZZZZZ	1838	21093	8239	1074
15:06	ZZZZZZ	1953	22344	8715	1084
15:11	ZZZZZZ	1876	21398	8296	1105
15:15	ZZZZZZ	1564	17873	7520	828
15:20	ZZZZZZ	1545	17740	7407	822
15:25	ZZZZZZ	1628	18625	7663	804
15:30	ZZZZZZ	1918	22133	8393	1164
15:34	ZZZZZZ	1734	19928	7932	950
15:39	MP25344-MB2A	1901	22085	8372	1151
15:43	MA10834-CCV8	1811	20556	8170	980
15:48	MA10834-CCB8	1931	22028	8380	1162
15:52	MA10834-CRIA2	1902	21453	8322	1112
15:57	MA10834-ICSA2	1615	18196	7562	830
16:01	MA10834-ICSAB2	1606	18200	7542	819
16:24	MA10834-CCV9	1782	20404	8106	972
16:28	MA10834-CCB9	1916	21931	8335	1154

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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10834 Units: ug/l

Time:			08:51		09:27		10:20		11:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-9.4	<200	10.1	<200	0.40	<200	-3.1	<200
Antimony	6.0	1.3	0.40	<6.0	-0.50	<6.0	0.80	<6.0	0.50	<6.0
Arsenic	10	1.6	-0.20	<10	-0.40	<10	-0.50	<10	0.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	-12	<1000	15.3	<1000	-0.80	<1000	15.1	<1000
Chromium	10	1.8	-0.60	<10	-0.10	<10	0.0	<10	-0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-11	<300	8.0	<300	2.7	<300	8.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-9.6	<5000	0.40	<5000	-0.90	<5000	19.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	-28	<10000	3.1	<10000	-19	<10000	8.4	<10000
Selenium	10	2	-0.30	<10	-1.3	<10	-2.4	<10	-1.3	<10
Silver	10	.5	anr							
Sodium	10000	500	-18	<10000	-2.6	<10000	-5.9	<10000	21.6	<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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10834 Units: ug/l

Time:			12:08		13:04		13:59		14:53	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-0.60	<200	-0.50	<200	-2.4	<200	-2.7	<200
Antimony	6.0	1.3	0.30	<6.0	-0.10	<6.0	0.60	<6.0	0.90	<6.0
Arsenic	10	1.6	0.20	<10	0.20	<10	0.50	<10	0.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	-0.20	<1000	27.9	<1000	1.3	<1000	-1.8	<1000
Chromium	10	1.8	-0.10	<10	-0.30	<10	-0.20	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	5.2	<300	8.3	<300	-0.20	<300	4.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	3.2	<5000	-15	<5000	-1.7	<5000	12.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	-11	<10000	10.1	<10000	-20	<10000	-19	<10000
Selenium	10	2	-1.2	<10	-1.9	<10	-2.6	<10	-1.4	<10
Silver	10	.5	anr							
Sodium	10000	500	-2.2	<10000	11.1	<10000	-1.3	<10000	1.3	<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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10834 Units: ug/l

Time:			15:48		16:28	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	-9.0	<200	-12	<200
Antimony	6.0	1.3	0.30	<6.0	0.80	<6.0
Arsenic	10	1.6	-1.3	<10	-0.10	<10
Barium	200	1	anr			
Beryllium	4.0	.5	anr			
Cadmium	5.0	.5	0.10	<5.0	0.0	<5.0
Calcium	1000	50	-9.1	<1000	-12	<1000
Chromium	10	1.8	-0.30	<10	-0.30	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	-3.3	<300	-3.1	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	-4.1	<5000	-9.6	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5				
Potassium	10000	200	-1.5	<10000	5.1	<10000
Selenium	10	2	-0.30	<10	-2.1	<10
Silver	10	.5	anr			
Sodium	10000	500	20.7	<10000	18.2	<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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10834 Units: ug/l

Time:		08:37			09:18			10:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	40400	101.0	40000	40100	100.3
Antimony	2000	2040	102.0	2000	2030	101.5	2000	2050	102.5
Arsenic	2000	2050	102.5	2000	2030	101.5	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2060	103.0	2000	2070	103.5
Calcium	40000	41800	104.5	40000	40600	101.5	40000	41200	103.0
Chromium	2000	2120	106.0	2000	2060	103.0	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	40000	42600	106.5	40000	41400	103.5	40000	41400	103.5
Lead	anr								
Magnesium	40000	41400	103.5	40000	40400	101.0	40000	40200	100.5
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	40800	102.0	40000	41000	102.5	40000	40500	101.3
Selenium	2000	2040	102.0	2000	2040	102.0	2000	2050	102.5
Silver	anr								
Sodium	40000	40700	101.8	40000	40900	102.3	40000	40500	101.3
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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10834 Units: ug/l

Time:		11:10			12:04			13:00	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	41100	102.8	40000	40600	101.5
Antimony	2000	2050	102.5	2000	2060	103.0	2000	2070	103.5
Arsenic	2000	2050	102.5	2000	2060	103.0	2000	2060	103.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2080	104.0	2000	2070	103.5
Calcium	40000	41000	102.5	40000	41400	103.5	40000	41400	103.5
Chromium	2000	2060	103.0	2000	2080	104.0	2000	2080	104.0
Cobalt									
Copper	anr								
Iron	40000	41900	104.8	40000	42500	106.3	40000	42200	105.5
Lead	anr								
Magnesium	40000	40400	101.0	40000	40900	102.3	40000	40700	101.8
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	41100	102.8	40000	41800	104.5	40000	41200	103.0
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2070	103.5
Silver	anr								
Sodium	40000	41000	102.5	40000	41600	104.0	40000	40900	102.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10834 Units: ug/l

Time:		13:54			14:48			15:43	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40800	102.0	40000	40600	101.5
Antimony	2000	2080	104.0	2000	2070	103.5	2000	2080	104.0
Arsenic	2000	2080	104.0	2000	2070	103.5	2000	2070	103.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2070	103.5	2000	2080	104.0
Calcium	40000	40900	102.3	40000	40800	102.0	40000	40700	101.8
Chromium	2000	2070	103.5	2000	2070	103.5	2000	2050	102.5
Cobalt									
Copper	anr								
Iron	40000	42100	105.3	40000	42000	105.0	40000	41900	104.8
Lead	anr								
Magnesium	40000	40600	101.5	40000	40600	101.5	40000	40400	101.0
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	41800	104.5	40000	41400	103.5	40000	41400	103.5
Selenium	2000	2090	104.5	2000	2080	104.0	2000	2080	104.0
Silver	anr								
Sodium	40000	41700	104.3	40000	41300	103.3	40000	41200	103.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10834 Units: ug/l

Time:		16:24	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	40800	102.0
Antimony	2000	2100	105.0
Arsenic	2000	2090	104.5
Barium	anr		
Beryllium	anr		
Cadmium	2000	2080	104.0
Calcium	40000	40200	100.5
Chromium	2000	2040	102.0
Cobalt			
Copper	anr		
Iron	40000	41700	104.3
Lead	anr		
Magnesium	40000	40200	100.5
Manganese	anr		
Molybdenum			
Nickel			
Potassium	40000	42100	105.3
Selenium	2000	2110	105.5
Silver	anr		
Sodium	40000	42000	105.0
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10834 Units: ug/l

Time:		08:28	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80100	100.1
Antimony	4000	3970	99.3
Arsenic	4000	3980	99.5
Barium	anr		
Beryllium	anr		
Cadmium	4000	3930	98.3
Calcium	80000	79500	99.4
Chromium	4000	3950	98.8
Cobalt			
Copper	anr		
Iron	80000	80100	100.1
Lead	anr		
Magnesium	80000	80400	100.5
Manganese	anr		
Molybdenum			
Nickel			
Potassium	80000	79400	99.3
Selenium	4000	3960	99.0
Silver	anr		
Sodium	80000	79400	99.3
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10834 Units: ug/l

Time:			08:56		15:52	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	190	95.0	188	94.0
Antimony	10	5.0	5.3	106.0	5.1	102.0
Arsenic	20	10	10.3	103.0	11.0	110.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.1	102.0	5.2	104.0
Calcium	2000	1000	1010	101.0	1010	101.0
Chromium	20	10	10.1	101.0	10.4	104.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	305	101.7	316	105.3
Lead	10	5.0	anr			
Magnesium	10000	5000	4860	97.2	4890	97.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000	10200	102.0	10400	104.0
Selenium	20	10	8.1	81.0	9.9	99.0
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				
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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10834 Units: ug/l

Time:			09:05		09:13		15:57		16:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	528000	105.6	531000	106.2	527000	105.4	530000	106.0
Antimony		1000	0.0		1040	104.0	-2.9		1070	107.0
Arsenic		1000	-0.80		1050	105.0	0.20		1080	108.0
Barium		500	-0.40		534	106.8	-0.40		553	110.6
Beryllium		500	-0.70		514	102.8	-0.60		513	102.6
Cadmium		1000	0.20		937	93.7	1.2		952	95.2
Calcium	500000	500000	504000	100.8	504000	100.8	503000	100.6	500000	100.0
Chromium		500	0.0		486	97.2	0.40		478	95.6
Cobalt		500	-1.1		468	93.6	-1.2		478	95.6
Copper		500	0.0		553	110.6	-0.10		571	114.2
Iron	200000	200000	190000	95.0	202000	101.0	191000	95.5	202000	101.0
Lead		1000	0.0		959	95.9	-0.20		972	97.2
Magnesium	500000	500000	519000	103.8	519000	103.8	515000	103.0	515000	103.0
Manganese		500	0.0		495	99.0	0.30		492	98.4
Molybdenum		1000	-0.50		922	92.2	-0.60		951	95.1
Nickel		1000	0.0		921	92.1	0.60		943	94.3
Potassium			-13		-15		-0.20		3.7	
Selenium		1000	0.0		1010	101.0	5.7		1050	105.0
Silver		1000	0.50		1050	105.0	0.50		1050	105.0
Sodium			73.9		118		142		186	
Strontium		1000	11.6		1030	103.0	11.7		1050	105.0
Thallium		1000	0.0		948	94.8	1.2		965	96.5
Tin		1000	5.0		912	91.2	4.2		930	93.0
Titanium		1000	-1.0		970	97.0	-1.1		980	98.0
Vanadium		500	-0.30		479	95.8	-0.50		473	94.6
Zinc		1000	-2.8		944	94.4	-3.7		955	95.5

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10837
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:59	MA10837-STD1	1		STDA
08:03	MA10837-STD2	1		STDB
08:07	MA10837-STD3	1		STDC
08:10	MA10837-STD4	1		STDD
08:15	MA10837-HSTD1	1		
08:19	MA10837-ICV1	1		
08:29	MA10837-ICB1	1		
08:33	MA10837-CRIA1	1		
08:40	MA10837-ICSA1	1		
08:51	MA10837-ICSAB1	1		
09:00	MA10837-CCV1	1		
09:10	MA10837-CCB1	1		
09:15	MP25346-MB1	1		
09:20	MP25346-B1	1		
09:24	FA5671-1	1		(sample used for QC only; not part of login FA5438)
09:28	MP25346-D1	1		
09:33	MP25346-SD1	5		
09:38	MP25346-PS1	1		
09:42	MP25346-S1	1		
09:47	MP25346-S2	1		
09:51	ZZZZZZ	1		
09:56	ZZZZZZ	1		
10:00	MA10837-CCV2	1		
10:04	MA10837-CCB2	1		
10:08	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:39	ZZZZZZ	1		
10:44	ZZZZZZ	1		
10:48	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:57	ZZZZZZ	1		
11:02	ZZZZZZ	1		
11:06	MA10837-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10837
Parameters: Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:10	MA10837-CCB3	1		
	11:15	ZZZZZZ	1		
	11:19	ZZZZZZ	1		
	11:24	ZZZZZZ	1		
	11:28	ZZZZZZ	1		
	11:49	MA10837-CCV4	1		
	11:58	MA10837-CCB4	1		
	12:02	FA5438-1	10		
	12:06	FA5438-2	10		
---------->	Last reportable sample/prep for job FA5438				
	12:11	ZZZZZZ	2		
	12:15	ZZZZZZ	5		
	12:20	ZZZZZZ	5		
	12:24	ZZZZZZ	5		
	12:29	ZZZZZZ	2		
	12:33	ZZZZZZ	2		
	12:38	ZZZZZZ	2		
	12:43	ZZZZZZ	5		
	12:47	MA10837-CCV5	1		
	12:51	MA10837-CCB5	1		
	12:56	ZZZZZZ	5		
	13:00	ZZZZZZ	5		
	13:05	ZZZZZZ	4		
	13:09	ZZZZZZ	5		
	13:40	MA10837-CCV6	1		
	13:45	MA10837-CCB6	1		
	14:02	MA10837-CRIA2	1		
	14:07	MA10837-ICSA2	1		
	14:11	MA10837-ICSAB2	1		
	14:16	MA10837-CCV7	1		
	14:20	MA10837-CCB7	1		
---------->	Last reportable CCB for job FA5438				

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10837
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:59	MA10837-STD1	4513	33516	6157	2041
08:03	MA10837-STD2	4458	32921	6155	1926
08:07	MA10837-STD3	4358	32295	6131	1791
08:10	MA10837-STD4	4162	30979	6059	1649
08:15	MA10837-HSTD1	4214	31431	6120	1669
08:19	MA10837-ICV1	4341	32070	6153	1792
08:29	MA10837-ICB1	4527 R	33378 R	6225 R	2062 R
08:33	MA10837-CRIA1	4479	32978	6255	1999
08:40	MA10837-ICSA1	4056	29381	6035	1561
08:51	MA10837-ICSAB1	4047	29411	5974	1543
09:00	MA10837-CCV1	4379	32354	6176	1789
09:10	MA10837-CCB1	4528	33671	6142	2049
09:15	MP25346-MB1	4535	33986	6240	2051
09:20	MP25346-B1	4420	32619	6143	1871
09:24	FA5671-1	6486 !	47962 !	9197 !	1787
09:28	MP25346-D1	7616 !	55965 !	10817 !	1703
09:33	MP25346-SD1	5024	37046	6876	1972
09:38	MP25346-PS1	6414 !	47199 !	9106 !	1769
09:42	MP25346-S1	6668 !	49111 !	9521 !	1715
09:47	MP25346-S2	6636 !	48705 !	9487 !	1707
09:51	ZZZZZZ	6848 !	50064 !	9589 !	1799
09:56	ZZZZZZ	6604 !	48706 !	9272 !	1807
10:00	MA10837-CCV2	4431	32691	6169	1810
10:04	MA10837-CCB2	4571	33916	6202	2060
10:08	ZZZZZZ	4622	34117	6739	1626
10:35	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:39	ZZZZZZ	4597	33688	6379	1740
10:44	ZZZZZZ	4559	33687	6296	1802
10:48	ZZZZZZ	4492	33180	6232	1765
10:53	ZZZZZZ	4948	36512	6682	1894
10:57	ZZZZZZ	6423 !	47283 !	8781 !	1822
11:02	ZZZZZZ	5898 !	43446 !	8120 !	1820
11:06	MA10837-CCV3	4405	32800	6042	1796

INTERNAL STANDARD SUMMARY

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10837
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:10	MA10837-CCB3	4547	33891	6105	2049
11:15	ZZZZZZ	8000 !	59690 !	11171 !	1737
11:19	ZZZZZZ	6604 !	49232 !	9199 !	1768
11:24	ZZZZZZ	6015 !	44775 !	8393 !	1704
11:28	ZZZZZZ	6480 !	48194 !	9006 !	1742
11:49	MA10837-CCV4	4344	32816	5938	1758
11:58	MA10837-CCB4	4498	33863	5990	2014
12:02	FA5438-1	4385	32889	5963	1899
12:06	FA5438-2	4378	32845	5991	1898
12:11	ZZZZZZ	4737	34995	6571	1791
12:15	ZZZZZZ	5518	40797	7445	1898
12:20	ZZZZZZ	5364	39982	7298	1842
12:24	ZZZZZZ	5454	40579	7484	1819
12:29	ZZZZZZ	4479	33395	6342	1651
12:33	ZZZZZZ	4493	33596	6344	1646
12:38	ZZZZZZ	4770	35657	6694	1638
12:43	ZZZZZZ	5396	40263	7284	1861
12:47	MA10837-CCV5	4335	32684	5916	1758
12:51	MA10837-CCB5	4490	33986	6007	2010
12:56	ZZZZZZ	5150	38443	7030	1820
13:00	ZZZZZZ	4231	32041	5995	1802
13:05	ZZZZZZ	4156	31672	5939	1786
13:09	ZZZZZZ	4264	32333	6017	1797
13:40	MA10837-CCV6	4307	32611	6021	1759
13:45	MA10837-CCB6	4462	33771	6086	2011
14:02	MA10837-CRIA2	4446	33563	6070	1965
14:07	MA10837-ICSA2	3984	29659	5828	1533
14:11	MA10837-ICSAB2	3986	29854	5820	1522
14:16	MA10837-CCV7	4318	32811	6014	1763
14:20	MA10837-CCB7	4475	33999	6035	2018

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

LEGEND:

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

INTERNAL STANDARD SUMMARY

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10837
Parameters: Na

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10837 Units: ug/l

Time:			08:29		09:10		10:04		11:10	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	20	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	5.0	.5	anr							
Cadmium	4.0	.5	anr							
Calcium	5000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	20	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	20	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	-4.4	<10000	15.6	<10000	4.4	<10000	6.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10837 Units: ug/l

Time:			11:58		12:51		13:45		14:20	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	20	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	5.0	.5	anr							
Cadmium	4.0	.5	anr							
Calcium	5000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	20	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	20	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	-6.3	<10000	15.0	<10000	24.3	<10000	11.1	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10837 Units: ug/l

Time:		08:19			09:00			10:00	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	41300	103.3	40000	39900	99.8	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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10837 Units: ug/l

Time:		11:06			11:49			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	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40300	100.8	40000	40900	102.3	40000	40600	101.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10837 Units: ug/l

Time:		13:40			14:16	
Sample ID:	CCV	CCV6		CCV	CCV7	
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	anr					
Selenium	anr					
Silver	anr					
Sodium	40000	40300	100.8	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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10837 Units: ug/l

Time:		08:15	
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	78700	98.4
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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10837 Units: ug/l

Time:			08:33		14:02	
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	9970	99.7	10000	100.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10837 Units: ug/l

Time:			08:40		08:51		14:07		14:11	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	493000	98.6	498000	99.6	505000	101.0	502000	100.4
Antimony		1000	-0.10		1010	101.0	1.2		1030	103.0
Arsenic		1000	0.0		1020	102.0	-0.70		1010	101.0
Barium		500	-0.20		520	104.0	-0.40		544	108.8
Beryllium		500	-0.40		495	99.0	-0.40		483	96.6
Cadmium		1000	-0.10		920	92.0	0.70		920	92.0
Calcium	500000	500000	468000	93.6	465000	93.0	473000	94.6	471000	94.2
Chromium		500	0.0		480	96.0	-0.30		442	88.4
Cobalt		500	-0.90		461	92.2	-1.0		471	94.2
Copper		500	0.0		531	106.2	0.70		541	108.2
Iron	200000	200000	181000	90.5	195000	97.5	181000	90.5	192000	96.0
Lead		1000	0.10		968	96.8	0.30		967	96.7
Magnesium	500000	500000	481000	96.2	487000	97.4	470000	94.0	469000	93.8
Manganese		500	0.20		495	99.0	0.40		484	96.8
Molybdenum		1000	-0.20		901	90.1	-0.20		936	93.6
Nickel		1000	0.0		914	91.4	0.20		919	91.9
Potassium			-18		30.4		3.5		-40	
Selenium		1000	0.0		977	97.7	1.7		989	98.9
Silver		1000	0.70		1020	102.0	0.50		1020	102.0
Sodium			92.2		150		149		189	
Strontium		1000	11.6		1000	100.0	11.8		1020	102.0
Thallium		1000	0.0		961	96.1	-2.8		968	96.8
Tin		1000	2.7		899	89.9	2.5		911	91.1
Titanium		1000	-3.9		958	95.8	-4.1		949	94.9
Vanadium		500	-0.10		475	95.0	-0.70		455	91.0
Zinc		1000	-1.5		925	92.5	-1.8		933	93.3

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25339
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					06/18/13		06/18/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15	-7.5	<200	-7.3	<200
Antimony	6.0	1.3	1.3	-0.10	<6.0	0.60	<6.0
Arsenic	10	1.6	2.5	-1.5	<10	-2.5	<10
Barium	200	1	1				
Beryllium	4.0	.5	.5				
Cadmium	5.0	.5	.5	-0.10	<5.0	-0.10	<5.0
Calcium	1000	50	50	23.5	<1000	10.1	<1000
Chromium	10	1.8	2	-0.40	<10	-0.80	<10
Cobalt	50	.5	.5				
Copper	25	1	1				
Iron	300	29	29	-11	<300	-14	<300
Lead	5.0	1.1	1.1				
Magnesium	5000	74	74	-2.8	<5000	4.4	<5000
Manganese	15	.7	.7				
Molybdenum	50	.6	1				
Nickel	40	.5	.5				
Potassium	10000	200	200	-15	<10000	-6.4	<10000
Selenium	10	2	2	-0.30	<10	0.70	<10
Silver	10	.5	.5				
Sodium	10000	500	500	-11	<10000	16.4	<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 MP25339: FA5438-1, FA5438-2, FA5438-3, FA5438-4

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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25339
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/18/13					06/18/13	
Metal	FA5476-1F Original	DUP	RPD	QC Limits	FA5476-1F Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	39.7	33.0	18.4	0-20	39.7	29100	27000	107.6	80-120
Antimony	0.0	0.0	NC	0-20	0.0	534	500	106.8	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2110	2000	105.5	80-120
Barium									
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	51.9	50	103.8	80-120
Calcium	59800	59200	1.0	0-20	59800	83800	25000	96.0	80-120
Chromium	0.0	0.0	NC	0-20	0.0	217	200	108.5	80-120
Cobalt									
Copper									
Iron	0.00	0.0	NC	0-20	0.00	28300	26000	108.8	80-120
Lead									
Magnesium	20500	20300	1.0	0-20	20500	46200	25000	102.8	80-120
Manganese									
Molybdenum									
Nickel									
Potassium	968	961	0.7	0-20	968	29100	25000	112.5	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2100	2000	105.0	80-120
Silver									
Sodium	3790	3790	0.0	0-20	3790	31800	25000	112.0	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP25339: FA5438-1, FA5438-2, FA5438-3, FA5438-4

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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25339
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/18/13

Metal	FA5476-1F Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	39.7	28200	27000	104.3	3.1	20
Antimony	0.0	508	500	101.6	5.0	20
Arsenic	0.0	2010	2000	100.5	4.9	20
Barium						
Beryllium						
Cadmium	0.0	49.3	50	98.6	5.1	20
Calcium	59800	85700	25000	103.6	2.2	20
Chromium	0.0	207	200	103.5	4.7	20
Cobalt						
Copper						
Iron	0.00	27700	26000	106.5	2.1	20
Lead						
Magnesium	20500	46400	25000	103.6	0.4	20
Manganese						
Molybdenum						
Nickel						
Potassium	968	28100	25000	108.5	3.5	20
Selenium	0.0	1990	2000	99.5	5.4	20
Silver						
Sodium	3790	30900	25000	108.4	2.9	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP25339: FA5438-1, FA5438-2, FA5438-3, FA5438-4

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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25339
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/18/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	30200	27000	111.9	80-120
Antimony	526	500	105.2	80-120
Arsenic	2080	2000	104.0	80-120
Barium				
Beryllium				
Cadmium	51.9	50	103.8	80-120
Calcium	27900	25000	111.6	80-120
Chromium	216	200	108.0	80-120
Cobalt				
Copper				
Iron	30000	26000	115.4	80-120
Lead				
Magnesium	27400	25000	109.6	80-120
Manganese				
Molybdenum				
Nickel				
Potassium	29400	25000	117.6	80-120
Selenium	2070	2000	103.5	80-120
Silver				
Sodium	29400	25000	117.6	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP25339: FA5438-1, FA5438-2, FA5438-3, FA5438-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25339
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/18/13

Metal	FA5476-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum	39.7	0.00	100.0(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	59800	62000	3.8	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron	0.00	0.00	NC	0-10
Lead				
Magnesium	20500	20600	0.5	0-10
Manganese				
Molybdenum				
Nickel				
Potassium	968	0.00	100.0(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	3790	3620	4.5	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP25339: FA5438-1, FA5438-2, FA5438-3, FA5438-4

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: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25339
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/18/13

Metal	Sample ml	Final ml	FA5476-1F Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	39.7	38.906	2556	0.2	125	2500	100.7	80-120
Antimony	9.8	10	0	0	105.4	0.2	5	100	105.4	80-120
Arsenic	9.8	10	0	0	103.2	0.2	5	100	103.2	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	53	0.2	2.5	50	106.0	80-120
Calcium	9.8	10	59750	58555	63690	0.2	250	5000	102.7	80-120
Chromium	9.8	10	0	0	54	0.2	2.5	50	108.0	80-120
Cobalt										
Copper										
Iron	9.8	10	0	0	3174	0.2	150	3000	105.8	80-120
Lead										
Magnesium	9.8	10	20480	20070.4	24880	0.2	250	5000	96.2	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	968.3	948.934	11720	0.2	500	10000	107.7	80-120
Selenium	9.8	10	0	0	99.9	0.2	5	100	99.9	80-120
Silver										
Sodium	9.8	10	3790	3714.2	14520	0.2	500	10000	108.1	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25339: FA5438-1, FA5438-2, FA5438-3, FA5438-4

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

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: FA5438
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	GN56368	5.0	1.2	mg/l	250	253	101.2	90-113%
Alkalinity, Total as CaCO3	GN56377	25	0.0	mg/l	250	263	105.0	90-113%
Chloride	GP21827/GN56196	2.0	0.0	mg/l	50	52.0	104.0	90-110%
Fluoride	GP21873/GN56295	0.20	0.0	mg/l	2.5	2.49	99.6	90-110%
Fluoride	GP21948/GN56444	0.20	0.0	mg/l	2.5	2.39	95.6	90-110%
Nitrogen, Nitrate	GP21827/GN56196	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Nitrogen, Nitrite	GP21827/GN56196	0.10	0.0	mg/l	2.5	2.34	93.6	90-110%
Phosphate, Ortho	GP21822/GN56186	0.10	0.0	mg/l	.300	0.29	95.5	83-116%
Phosphorus, Total	GP21879/GN56332	0.10	0.0	mg/l	0.300	0.29	95.5	81-118%
Solids, Total Dissolved	GN56280	100	25.0	mg/l				
Sulfate	GP21827/GN56196	2.0	0.0	mg/l	50	47.5	95.0	90-110%

Associated Samples:
Batch GN56280: FA5438-1, FA5438-2, FA5438-3, FA5438-4
Batch GN56368: FA5438-3, FA5438-4
Batch GN56377: FA5438-1, FA5438-2
Batch GP21822: FA5438-1F, FA5438-2F, FA5438-3F, FA5438-4F
Batch GP21827: FA5438-1, FA5438-2, FA5438-3, FA5438-4
Batch GP21873: FA5438-3
Batch GP21879: FA5438-1, FA5438-2, FA5438-3, FA5438-4
Batch GP21948: FA5438-1, FA5438-2, FA5438-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5438
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	GN56368	FA5421-1	mg/l	430	430	0.0	0-20%
Alkalinity, Total as CaCO3	GN56377	FA5438-1	mg/l	1070	1060	0.9	0-20%
Solids, Total Dissolved	GN56280	FA5451-5	mg/l	395	397	0.5	0-5%
Specific Conductivity	GN56191	FA5438-1	umhos/cm	4350	4380	0.7	0-10%
pH	GN56190	FA5438-1	su	6.30	6.28	0.3	0-10%

Associated Samples:
Batch GN56190: FA5438-1, FA5438-2, FA5438-3, FA5438-4
Batch GN56191: FA5438-1, FA5438-2, FA5438-3, FA5438-4
Batch GN56280: FA5438-1, FA5438-2, FA5438-3, FA5438-4
Batch GN56368: FA5438-3, FA5438-4
Batch GN56377: FA5438-1, FA5438-2
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5438
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	GN56368	FA5421-1	mg/l	430	250	672	96.8	90-113%
Alkalinity, Total as CaCO3	GN56377	FA5438-1	mg/l	1070	250	1610	216.0(a)	90-113%
Chloride	GP21827/GN56196	FA5159-1	mg/l	2.1	50	55.5	106.8	90-110%
Fluoride	GP21873/GN56295	FA5438-3	mg/l	0.60 U	2.5	3.0	120.0N(a)	90-110%
Fluoride	GP21948/GN56444	FA5659-1	mg/l	0.67	2.5	3.5	113.2N(a)	90-110%
Nitrogen, Nitrate	GP21827/GN56196	FA5159-1	mg/l	0.0	2.5	2.8	112.0N(a)	90-110%
Nitrogen, Nitrite	GP21827/GN56196	FA5159-1	mg/l	0.0	2.5	2.7	108.0	90-110%
Phosphate, Ortho	GP21822/GN56186	FA5438-1F	mg/l	88.3	150	176	58.2*(a)	83-116%
Phosphorus, Total	GP21879/GN56332	FA5553-10	mg/l	99.1	0.300	100	691.0(b)	81-118%
Sulfate	GP21827/GN56196	FA5159-1	mg/l	13.2	50	69.6	112.8N(a)	90-110%

Associated Samples:
Batch GN56368: FA5438-3, FA5438-4
Batch GN56377: FA5438-1, FA5438-2
Batch GP21822: FA5438-1F, FA5438-2F, FA5438-3F, FA5438-4F
Batch GP21827: FA5438-1, FA5438-2, FA5438-3, FA5438-4
Batch GP21873: FA5438-3
Batch GP21879: FA5438-1, FA5438-2, FA5438-3, FA5438-4
Batch GP21948: FA5438-1, FA5438-2, FA5438-4
(*) 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: FA5438
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	GP21827/GN56196	FA5159-1	mg/l	2.1	50	55.5	0.0	20%
Fluoride	GP21873/GN56295	FA5438-3	mg/l	0.60 U	2.5	3.2	6.5	20%
Fluoride	GP21948/GN56444	FA5659-1	mg/l	0.67	2.5	3.6	2.8	20%
Nitrogen, Nitrate	GP21827/GN56196	FA5159-1	mg/l	0.0	2.5	2.8	0.0	20%
Nitrogen, Nitrite	GP21827/GN56196	FA5159-1	mg/l	0.0	2.5	2.7	0.0	20%
Phosphate, Ortho	GP21822/GN56186	FA5438-1F	mg/l	88.3	150	176	0.0	26%
Phosphorus, Total	GP21879/GN56332	FA5553-10	mg/l	99.1	0.300	99.6	1.5	22%
Sulfate	GP21827/GN56196	FA5159-1	mg/l	13.2	50	69.6	0.0	20%

Associated Samples:
Batch GP21822: FA5438-1F, FA5438-2F, FA5438-3F, FA5438-4F
Batch GP21827: FA5438-1, FA5438-2, FA5438-3, FA5438-4
Batch GP21873: FA5438-3
Batch GP21879: FA5438-1, FA5438-2, FA5438-3, FA5438-4
Batch GP21948: FA5438-1, FA5438-2, FA5438-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110601.TXT Date Analyzed: 06/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56196
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:27	GN56196-CCV1	1		
10:57	GP21827-MB1	1		
11:40	GP21827-B1	1		
12:30	FA5159-1	1		(sample used for QC only; not part of login FA5438)
12:47	FA5159-2	1		(sample used for QC only; not part of login FA5438)
13:04	ZZZZZZ	100		
13:21	ZZZZZZ	500		
13:39	FA5438-1	50		
13:55	FA5438-2	50		
14:40	GN56196-CCV2	1		
14:57	GN56196-CCB1	1		
15:14	FA5438-3	10		
15:31	FA5438-4	10		
15:48	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:56	ZZZZZZ	1		
17:13	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:46	ZZZZZZ	1		
18:03	GN56196-CCV3	1		
18:20	GN56196-CCB2	1		
18:37	ZZZZZZ	1		
18:54	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:45	GP21827-S1	1		
20:02	GP21827-S2	1		
20:19	GP21827-S3	1		
20:36	GP21827-S4	1		
20:53	ZZZZZZ	500		
21:10	GN56196-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110601.TXT Date Analyzed: 06/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56196
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:27	GN56196-CCB3	1		

Refer to raw data for calibration curve and standards.

7.5

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Instrument QC Summary
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110601.TXT Date Analyzed: 06/11/13 Methods: EPA 300/SW846 9056A
Run ID: GN56196 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56196-CCV1	Chloride	52.2	2.0	0.80	50	104.4	90-110
GN56196-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56196-CCV1	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN56196-CCV2	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN56196-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56196-CCV2	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN56196-CCB1	Chloride	0.80 U	2.0	0.80			
GN56196-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56196-CCB1	Sulfate	0.60 U	2.0	0.60			
GN56196-CCV3	Chloride	51.6	2.0	0.80	50	103.2	90-110
GN56196-CCV3	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN56196-CCV3	Sulfate	52.2	2.0	0.60	50	104.4	90-110
GN56196-CCB2	Chloride	0.80 U	2.0	0.80			
GN56196-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56196-CCB2	Sulfate	0.60 U	2.0	0.60			
GN56196-CCV4	Chloride	51.9	2.0	0.80	50	103.8	90-110
GN56196-CCV4	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN56196-CCV4	Sulfate	53.4	2.0	0.60	50	106.8	90-110
GN56196-CCB3	Chloride	0.80 U	2.0	0.80			
GN56196-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56196-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213140601.TXT Date Analyzed: 06/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56295
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:53	GN56295-CCV1	1		
11:09	GP21873-MB1	1		
11:39	GP21873-B1	1		
12:30	ZZZZZZ	1		
12:47	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:20	FA5438-3	10		
13:37	GP21873-S1	10		
13:54	GP21873-S2	10		
14:29	GN56295-CCV2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213140601.TXT Date Analyzed: 06/14/13 Methods: EPA 300/SW846 9056A
Run ID: GN56295 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56295-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN56295-CCV2	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Analyst: AC Run ID: GN56424
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:37	GN56424-CCV1	1		
10:53	GP21936-MB1	1		
11:10	GP21936-B1	1		
12:00	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:51	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:25	ZZZZZZ	2		
13:42	GN56424-CCV2	1		
13:59	GN56424-CCB1	1		
14:16	ZZZZZZ	1		
14:33	FA5627-5	1		(sample used for QC only; not part of login FA5438)
14:50	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:41	ZZZZZZ	1		
16:31	FA5627-27	1		(sample used for QC only; not part of login FA5438)
16:48	ZZZZZZ	1		
17:05	GN56424-CCV3	1		
17:22	GN56424-CCB2	1		
17:39	ZZZZZZ	100		
17:56	ZZZZZZ	5		
18:13	ZZZZZZ	5		
18:30	GP21936-S1	1		
18:47	GP21936-S2	1		
19:04	GP21936-S3	1		
19:21	GP21936-S4	1		
19:38	ZZZZZZ	1		
19:55	GN56424-CCV4	1		
20:12	GP21937-MB1	1		
20:29	GP21937-B1	1		
21:20	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Analyst: AC Run ID: GN56424
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:36	ZZZZZZ	1		
21:53	ZZZZZZ	1		
22:10	ZZZZZZ	1		
22:27	ZZZZZZ	1		
22:44	ZZZZZZ	1		
23:01	GN56424-CCV5	1		
23:18	GN56424-CCB3	1		
23:35	ZZZZZZ	5		
23:52	FA5798-13	1		(sample used for QC only; not part of login FA5438)
00:09	GP21937-S1	1		
00:25	GP21937-S2	1		
00:42	FA5438-3	25		
00:59	FA5438-4	25		
01:16	ZZZZZZ	50		
01:33	ZZZZZZ	50		
01:50	ZZZZZZ	10		
02:07	ZZZZZZ	2		
02:24	GN56424-CCV6	1		
02:41	GN56424-CCB4	1		
02:58	ZZZZZZ	5		
03:14	ZZZZZZ	2		
03:31	ZZZZZZ	200		
03:48	ZZZZZZ	5		
04:05	ZZZZZZ	5		
04:22	ZZZZZZ	5		
04:39	ZZZZZZ	5		
04:56	ZZZZZZ	5		
05:13	ZZZZZZ	2		
05:30	GN56424-CCV7	1		
05:47	GN56424-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Run ID: GN56424 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56424-CCV1	Sulfate	46.7	2.0	0.60	50	93.4	90-110
GN56424-CCV2	Sulfate	48.5	2.0	0.60	50	97.0	90-110
GN56424-CCB1	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV3	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN56424-CCB2	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV4	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN56424-CCV5	Sulfate	49.8	2.0	0.60	50	99.6	90-110
GN56424-CCB3	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV6	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN56424-CCB4	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV7	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN56424-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56444
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:53	GN56444-CCV1	1		
13:10	GP21948-MB1	1		
13:27	GP21948-B1	1		
15:19	ZZZZZZ	2000		
15:36	FA5438-1	25		
15:53	FA5438-2	25		
16:10	FA5438-4	10		
16:27	FA5659-1	2		(sample used for QC only; not part of login FA5438)
16:44	GN56444-CCV2	1		
17:00	GN56444-CCB1	1		
17:17	ZZZZZZ	2		
17:34	ZZZZZZ	25		
17:51	ZZZZZZ	25		
18:08	ZZZZZZ	25		
18:28	ZZZZZZ	1		
18:45	ZZZZZZ	5		
19:02	ZZZZZZ	2000		
19:19	ZZZZZZ	25		
19:35	ZZZZZZ	5		
19:52	ZZZZZZ	2		
20:09	GN56444-CCV3	1		
20:26	GN56444-CCB2	1		
20:43	FA5814-2	1		(sample used for QC only; not part of login FA5438)
21:00	ZZZZZZ	5		
21:17	ZZZZZZ	5		
21:34	ZZZZZZ	1		
21:51	ZZZZZZ	10		
22:08	GP21948-S1	2		
22:25	GP21948-S2	2		
22:42	GP21948-S3	1		
22:59	GP21948-S4	1		
23:16	GN56444-CCV4	1		
23:32	GN56444-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5438
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Run ID: GN56444 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56444-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN56444-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN56444-CCB1	Fluoride	0.060 U	0.20	0.060			
GN56444-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56444-CCB2	Fluoride	0.060 U	0.20	0.060			
GN56444-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56444-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

06/27/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA5565

Sampling Dates: 06/12/13 - 06/13/13

Report to:

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205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

Total number of pages in report: **78**

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

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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: FA5565

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
FA5565-1	06/12/13	10:15	TP	06/14/13	AQ	Ground Water	A-35-080
FA5565-1F	06/12/13	10:15	TP	06/14/13	AQ	Groundwater Filtered	A-35-080
FA5565-2	06/12/13	12:05	TP	06/14/13	AQ	Ground Water	A-36-145
FA5565-2F	06/12/13	12:05	TP	06/14/13	AQ	Groundwater Filtered	A-36-145
FA5565-3	06/12/13	13:25	TP	06/14/13	AQ	Ground Water	A-36-105
FA5565-3F	06/12/13	13:25	TP	06/14/13	AQ	Groundwater Filtered	A-36-105
FA5565-4	06/12/13	14:25	TP	06/14/13	AQ	Ground Water	EB06122013
FA5565-4F	06/12/13	14:25	TP	06/14/13	AQ	Groundwater Filtered	EB06122013
FA5565-5	06/13/13	10:35	TP	06/14/13	AQ	Ground Water	NW-9
FA5565-5F	06/13/13	10:35	TP	06/14/13	AQ	Groundwater Filtered	NW-9

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA5565

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 6/27/2013 12:14:51 PM

5 Sample(s) were collected on/between 06/12/2013 and 06/13/2013 and were received at Accutest SE on 06/14/2013 properly preserved, at 1.8 Deg. C and intact. These Samples received an Accutest job number of FA5565. 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:** MP25344

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) FA5526-1DUP, FA5526-1MS, FA5526-1MSD, FA5526-1PS, FA5526-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Aluminum, Iron, Potassium are outside control limits for sample MP25344-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP25344-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA5565-2 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA5565-2 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA5565-2 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA5565-2 for Selenium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN56260

All method blanks for this batch meet method specific criteria.

Sample(s) FA5565-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5.

FA5565-1 for Specific Conductivity: Sample received outside the holding time.

FA5565-2 for Specific Conductivity: Sample received outside the holding time.

FA5565-3 for Specific Conductivity: Sample received outside the holding time.

FA5565-4 for Specific Conductivity: Sample received outside the holding time.

FA5565-5 for Specific Conductivity: Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21870

All method blanks for this batch meet method specific criteria.

Sample(s) FA5504-1MS, FA5504-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA5565-1 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

FA5565-2 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

FA5565-3 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21948

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) FA5659-1MS, FA5659-1MSD 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.

FA5565-1 for Fluoride: Dilution required due to matrix interference.

FA5565-2 for Fluoride: Dilution required due to matrix interference.

FA5565-3 for Fluoride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21856

All method blanks for this batch meet method specific criteria.

Sample(s) FA5565-5FMS, FA5565-5FMSD were used as the QC samples for Phosphate, Ortho.

FA5565-1F for Phosphate, Ortho: Sample analyzed beyond hold time.

FA5565-2F for Phosphate, Ortho: Sample analyzed beyond hold time.

FA5565-3F for Phosphate, Ortho: Sample analyzed beyond hold time.

Matrix: AQ **Batch ID:** GP21949

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5558-9MS, FA5558-9MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN56259

Sample(s) FA5565-1DUP was used as the QC sample for pH.

FA5565-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA5565-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA5565-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA5565-4 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA5565-5 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN56479

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5607-2DUP was used as the QC sample for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN56481

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5565-2DUP was used as the QC sample for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN56314

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5646-3DUP was used as the QC sample for Solids, Total Dissolved.

Matrix: AQ **Batch ID:** GN56347

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5627-5DUP 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: June 27, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA5565
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 06/12/13 thru 06/13/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA5565-1	**A-35-080**					
Aluminum		0.0313 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0050 J	0.0060	0.0013	mg/l	SW846 6010C
Arsenic		0.0139	0.010	0.0025	mg/l	SW846 6010C
Cadmium		0.0012 J	0.0050	0.00050	mg/l	SW846 6010C
Calcium		475	1.0	0.050	mg/l	SW846 6010C
Magnesium		322	5.0	0.074	mg/l	SW846 6010C
Potassium		52.8	10	0.20	mg/l	SW846 6010C
Sodium		235	50	2.5	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		705	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		705	25	3.0	mg/l	SM19 2320B
Chloride		180	50	20	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]		72.4	2.5	1.3	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		49.4	25	7.0	mg/l	EPA 365.3
Solids, Total Dissolved		4230	500	50	mg/l	SM19 2540C
Specific Conductivity [b]		4690	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		2200	50	15	mg/l	EPA 300/SW846 9056A
pH [c]		6.44			su	SM 4500H B/SW 9040C
FA5565-1F	**A-35-080**					
Phosphate, Ortho [a]		26.0	10	1.9	mg/l	EPA 365.3
FA5565-2	**A-36-145**					
Aluminum		0.0254 J	0.20	0.015	mg/l	SW846 6010C
Antimony [d]		0.0071 J	0.024	0.0052	mg/l	SW846 6010C
Calcium		660	4.0	0.20	mg/l	SW846 6010C
Iron		0.246 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		428	5.0	0.074	mg/l	SW846 6010C
Potassium		11.0	10	0.20	mg/l	SW846 6010C
Sodium		110	40	2.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		555	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		555	25	3.0	mg/l	SM19 2320B
Chloride		84.3	50	20	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		0.13	0.10	0.028	mg/l	EPA 365.3
Solids, Total Dissolved		4010	500	50	mg/l	SM19 2540C
Specific Conductivity [b]		4010	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		2960	100	30	mg/l	EPA 300/SW846 9056A
pH [c]		6.85			su	SM 4500H B/SW 9040C
FA5565-2F	**A-36-145**					
Phosphate, Ortho [a]		0.19	0.10	0.020	mg/l	EPA 365.3

Summary of Hits

Job Number: FA5565
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 06/12/13 thru 06/13/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA5565-3	**A-36-105**					
Aluminum		0.510	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0097	0.0060	0.0013	mg/l	SW846 6010C
Calcium		450	1.0	0.050	mg/l	SW846 6010C
Iron		0.696	0.30	0.029	mg/l	SW846 6010C
Magnesium		532	5.0	0.074	mg/l	SW846 6010C
Potassium		46.5	10	0.20	mg/l	SW846 6010C
Sodium		193	50	2.5	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		187	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		187	5.0	0.60	mg/l	SM19 2320B
Chloride		86.1	50	20	mg/l	EPA 300/SW846 9056A
Fluoride [e]		1.8 J	5.0	1.5	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		0.17	0.10	0.028	mg/l	EPA 365.3
Solids, Total Dissolved		5880	500	50	mg/l	SM19 2540C
Specific Conductivity [b]		4800	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		3890	100	30	mg/l	EPA 300/SW846 9056A
pH [c]		6.09			su	SM 4500H B/SW 9040C
FA5565-3F	**A-36-105**					
Phosphate, Ortho [a]		0.16	0.10	0.020	mg/l	EPA 365.3
FA5565-4	**EB06122013**					
Calcium		0.0900 J	1.0	0.050	mg/l	SW846 6010C
Nitrogen, Nitrate		0.14	0.10	0.050	mg/l	EPA 300/SW846 9056A
Solids, Total Dissolved		58.0 J	100	10	mg/l	SM19 2540C
Specific Conductivity [b]		14.2	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		4.2	2.0	0.60	mg/l	EPA 300/SW846 9056A
pH [c]		5.44			su	SM 4500H B/SW 9040C
FA5565-4F	**EB06122013**					
Phosphate, Ortho		0.044 J	0.10	0.020	mg/l	EPA 365.3
FA5565-5	**NW-9**					
Aluminum		22.7	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0013 J	0.0060	0.0013	mg/l	SW846 6010C
Arsenic		0.0048 J	0.010	0.0025	mg/l	SW846 6010C
Cadmium		0.0161	0.0050	0.00050	mg/l	SW846 6010C
Calcium		169	1.0	0.050	mg/l	SW846 6010C
Chromium		0.0022 J	0.010	0.0020	mg/l	SW846 6010C

Summary of Hits

Job Number: FA5565
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 06/12/13 thru 06/13/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Iron	0.0340 J	0.30	0.029	mg/l	SW846 6010C
Magnesium	62.9	5.0	0.074	mg/l	SW846 6010C
Potassium	6.27 J	10	0.20	mg/l	SW846 6010C
Selenium	0.0082 J	0.010	0.0020	mg/l	SW846 6010C
Sodium	44.3	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3	167	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3	167	5.0	0.60	mg/l	SM19 2320B
Chloride	63.3	10	4.0	mg/l	EPA 300/SW846 9056A
Fluoride	21.9	1.0	0.30	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate	11.9	0.50	0.25	mg/l	EPA 300/SW846 9056A
Phosphorus, Total	47.7	10	2.8	mg/l	EPA 365.3
Solids, Total Dissolved	1140	100	10	mg/l	SM19 2540C
Specific Conductivity [a]	1170	1.0	1.0	umhos/cm	EPA 120.1
Sulfate	406	10	3.0	mg/l	EPA 300/SW846 9056A
pH [c]	6.59			su	SM 4500H B/SW 9040C
FA5565-5F NW-9					
Phosphate, Ortho	8.2	2.0	0.38	mg/l	EPA 365.3

(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.
(d) Elevated reporting limit(s) due to matrix interference.
(e) Dilution required due to matrix interference.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-35-080		
Lab Sample ID:	FA5565-1	**Date Sampled:**	06/12/13
Matrix:	AQ - Ground Water	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0313 J	0.20	0.015	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0050 J	0.0060	0.0013	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0139	0.010	0.0025	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.0012 J	0.0050	0.00050	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	475	1.0	0.050	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.029 U	0.30	0.029	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	322	5.0	0.074	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	52.8	10	0.20	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	235	50	2.5	mg/l	5	06/19/13	06/20/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10834
(2) Instrument QC Batch: MA10837
(3) Prep QC Batch: MP25344

RL = 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:	FA5565-1	**Date Sampled:**	06/12/13
Matrix:	AQ - Ground Water	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	705	5.0	5.0	mg/l	1	06/26/13 16:55	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/26/13 16:55	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	705	25	3.0	mg/l	1	06/26/13 14:55	LE	SM19 2320B
Chloride	180	50	20	mg/l	25	06/14/13 15:29	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	06/24/13 17:34	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	72.4	2.5	1.3	mg/l	25	06/14/13 15:29	AA	EPA 300/SW846 9056A
Phosphorus, Total	49.4	25	7.0	mg/l	250	06/25/13 13:40	LE	EPA 365.3
Solids, Total Dissolved	4230	500	50	mg/l	5	06/18/13 14:00	KC	SM19 2540C
Specific Conductivity [c]	4690	1.0	1.0	umhos/cm	1	06/14/13 15:15	LE	EPA 120.1
Sulfate	2200	50	15	mg/l	25	06/14/13 15:29	AA	EPA 300/SW846 9056A
pH [d]	6.44			su	1	06/14/13 15:30	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-35-080		
Lab Sample ID:	FA5565-1F	**Date Sampled:**	06/12/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho [a]	26.0	10	1.9	mg/l	100	06/14/13 13:50	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:	A-36-145		
Lab Sample ID:	FA5565-2	**Date Sampled:**	06/12/13
Matrix:	AQ - Ground Water	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0254 J	0.20	0.015	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.0071 J	0.024	0.0052	mg/l	4	06/19/13	06/20/13	LM	SW846 6010C [2]	SW846 3010A [3]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	0.0020 U	0.020	0.0020	mg/l	4	06/19/13	06/20/13	LM	SW846 6010C [2]	SW846 3010A [3]
Calcium	660	4.0	0.20	mg/l	4	06/19/13	06/20/13	LM	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	0.0080 U	0.040	0.0080	mg/l	4	06/19/13	06/20/13	LM	SW846 6010C [2]	SW846 3010A [3]
Iron	0.246 J	0.30	0.029	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	428	5.0	0.074	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	11.0	10	0.20	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.0080 U	0.040	0.0080	mg/l	4	06/19/13	06/20/13	LM	SW846 6010C [2]	SW846 3010A [3]
Sodium	110	40	2.0	mg/l	4	06/19/13	06/20/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10834
(2) Instrument QC Batch: MA10837
(3) Prep QC Batch: MP25344

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-36-145		
Lab Sample ID:	FA5565-2	**Date Sampled:**	06/12/13
Matrix:	AQ - Ground Water	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	555	5.0	5.0	mg/l	1	06/26/13 16:55	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/26/13 16:55	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	555	25	3.0	mg/l	1	06/26/13 14:55	LE	SM19 2320B
Chloride	84.3	50	20	mg/l	25	06/14/13 17:20	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	06/24/13 17:51	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	1.3 U	2.5	1.3	mg/l	25	06/14/13 17:20	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.13	0.10	0.028	mg/l	1	06/25/13 13:40	LE	EPA 365.3
Solids, Total Dissolved	4010	500	50	mg/l	5	06/18/13 14:00	KC	SM19 2540C
Specific Conductivity [c]	4010	1.0	1.0	umhos/cm	1	06/14/13 15:15	LE	EPA 120.1
Sulfate	2960	100	30	mg/l	50	06/22/13 01:16	AC	EPA 300/SW846 9056A
pH [d]	6.85			su	1	06/14/13 15:30	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-36-145		
Lab Sample ID:	FA5565-2F	**Date Sampled:**	06/12/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho [a]	0.19	0.10	0.020	mg/l	1	06/14/13 13:50	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:	A-36-105		
Lab Sample ID:	FA5565-3	**Date Sampled:**	06/12/13
Matrix:	AQ - Ground Water	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.510	0.20	0.015	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0097	0.0060	0.0013	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	450	1.0	0.050	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.696	0.30	0.029	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	532	5.0	0.074	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	46.5	10	0.20	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	193	50	2.5	mg/l	5	06/19/13	06/20/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10834
(2) Instrument QC Batch: MA10837
(3) Prep QC Batch: MP25344

RL = 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:	FA5565-3	**Date Sampled:**	06/12/13
Matrix:	AQ - Ground Water	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	187	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	187	5.0	0.60	mg/l	1	06/26/13 15:20	LE	SM19 2320B
Chloride	86.1	50	20	mg/l	25	06/14/13 15:13	AA	EPA 300/SW846 9056A
Fluoride [a]	1.8 J	5.0	1.5	mg/l	25	06/24/13 18:08	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	1.3 U	2.5	1.3	mg/l	25	06/14/13 15:13	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.17	0.10	0.028	mg/l	1	06/25/13 13:40	LE	EPA 365.3
Solids, Total Dissolved	5880	500	50	mg/l	5	06/18/13 14:00	KC	SM19 2540C
Specific Conductivity [c]	4800	1.0	1.0	umhos/cm	1	06/14/13 15:15	LE	EPA 120.1
Sulfate	3890	100	30	mg/l	50	06/22/13 01:33	AC	EPA 300/SW846 9056A
pH [d]	6.09			su	1	06/14/13 15:30	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-36-105		
Lab Sample ID:	FA5565-3F	**Date Sampled:**	06/12/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho [a]	0.16	0.10	0.020	mg/l	1	06/14/13 13:50	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:	EB06122013		
Lab Sample ID:	FA5565-4	**Date Sampled:**	06/12/13
Matrix:	AQ - Ground Water	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.015 U	0.20	0.015	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	0.0900 J	1.0	0.050	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.029 U	0.30	0.029	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	0.074 U	5.0	0.074	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	0.20 U	10	0.20	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	0.50 U	10	0.50	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10834
(2) Prep QC Batch: MP25344

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	EB06122013		
Lab Sample ID:	FA5565-4	**Date Sampled:**	06/12/13
Matrix:	AQ - Ground Water	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	06/26/13 15:20	LE	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	06/14/13 14:22	AA	EPA 300/SW846 9056A
Fluoride	0.060 U	0.20	0.060	mg/l	1	06/24/13 18:28	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	0.14	0.10	0.050	mg/l	1	06/14/13 14:22	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.028 U	0.10	0.028	mg/l	1	06/25/13 13:40	LE	EPA 365.3
Solids, Total Dissolved	58.0 J	100	10	mg/l	1	06/18/13 14:00	KC	SM19 2540C
Specific Conductivity [a]	14.2	1.0	1.0	umhos/cm	1	06/14/13 15:15	LE	EPA 120.1
Sulfate	4.2	2.0	0.60	mg/l	1	06/14/13 14:22	AA	EPA 300/SW846 9056A
pH [b]	5.44			su	1	06/14/13 15:30	LE	SM 4500H B/SW 9040C

(a) Sample received outside the holding time.
(b) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	EB06122013		
Lab Sample ID:	FA5565-4F	**Date Sampled:**	06/12/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	0.044 J	0.10	0.020	mg/l	1	06/14/13 13:50	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	NW-9		
Lab Sample ID:	FA5565-5	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	22.7	0.20	0.015	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 J	0.0060	0.0013	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0048 J	0.010	0.0025	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.0161	0.0050	0.00050	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	169	1.0	0.050	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0022 J	0.010	0.0020	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.0340 J	0.30	0.029	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	62.9	5.0	0.074	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	6.27 J	10	0.20	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0082 J	0.010	0.0020	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	44.3	10	0.50	mg/l	1	06/19/13	06/19/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10834
(2) Prep QC Batch: MP25344

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	NW-9		
Lab Sample ID:	FA5565-5	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	167	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	167	5.0	0.60	mg/l	1	06/26/13 15:20	LE	SM19 2320B
Chloride	63.3	10	4.0	mg/l	5	06/14/13 17:37	AA	EPA 300/SW846 9056A
Fluoride	21.9	1.0	0.30	mg/l	5	06/24/13 18:45	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	11.9	0.50	0.25	mg/l	5	06/14/13 17:37	AA	EPA 300/SW846 9056A
Phosphorus, Total	47.7	10	2.8	mg/l	100	06/25/13 13:40	LE	EPA 365.3
Solids, Total Dissolved	1140	100	10	mg/l	1	06/19/13 15:30	KC	SM19 2540C
Specific Conductivity [a]	1170	1.0	1.0	umhos/cm	1	06/14/13 15:15	LE	EPA 120.1
Sulfate	406	10	3.0	mg/l	5	06/14/13 17:37	AA	EPA 300/SW846 9056A
pH [b]	6.59			su	1	06/14/13 15:30	LE	SM 4500H B/SW 9040C

(a) Sample analyzed beyond hold time.
(b) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	NW-9		
Lab Sample ID:	FA5565-5F	**Date Sampled:**	06/13/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	8.2	2.0	0.38	mg/l	20	06/14/13 13:50	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA5565 PAGE ____ OF ____

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 Hull E-mail: Tim.Hull@wspgroup.com
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed):

Project Information

Project Name:
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
1	A-35-080	061313	1015	TRP	GW	4		X			X	X			
2	A-36-145	061313	1705			4		X			X	X			
3	A-36-105	061313	1325			4		X			X	X			
4	EB06132013	061313	1475			4		X			X	X			
5	NW-9	061313	1035			4		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: 061313 1145	Received By: 2 FX	Relinquished by: 3 FX	Date Time: 06/14/13 0945	Received By: Fred Jones AASE 06/14/13 0945
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:

5.1 5

FA5565: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 5565 CLIENT: WSP PROJECT: Not listed

DATE/TIME RECEIVED: 06/14/13 0945 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3246 9290

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +.04
- [ ] OBSERVED TEMPS: 1.4
- [ ] CORRECTED TEMPS: 1.8

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 [signature] 06/14/13 REVIEWER SIGNATURE/DATE JC 6.14.13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA5565: Chain of Custody

Page 2 of 3

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: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:11	MA10834-STD1	1		STDA
08:15	MA10834-STD2	1		STDB
08:19	MA10834-STD3	1		STDC
08:23	MA10834-STD4	1		STDD
08:28	MA10834-HSTD1	1		
08:37	MA10834-ICV1	1		
08:51	MA10834-ICB1	1		
08:56	MA10834-CRIA1	1		
09:05	MA10834-ICSA1	1		
09:13	MA10834-ICSAB1	1		
09:18	MA10834-CCV1	1		
09:27	MA10834-CCB1	1		
09:32	MP25339-MB1	1		
09:36	MP25339-B1	1		
09:40	FA5476-1F	1		(sample used for QC only; not part of login FA5565)
09:45	MP25339-D1	1		
09:49	MP25339-SD1	5		
09:54	MP25339-PS1	1		
09:58	MP25339-S1	1		
10:02	MP25339-S2	1		
10:07	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:16	MA10834-CCV2	1		
10:20	MA10834-CCB2	1		
10:25	ZZZZZZ	1		
10:29	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:47	ZZZZZZ	1		
10:52	ZZZZZZ	1		
10:56	ZZZZZZ	1		
11:01	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:06	ZZZZZZ	1		
11:10	MA10834-CCV3	1		
11:15	MA10834-CCB3	1		
11:19	MP25339-MB2A	1		
11:24	MP25337-MB1	1		
11:28	MP25337-B1	1		
11:33	FA5683-1	1		(sample used for QC only; not part of login FA5565)
11:37	MP25337-D1	1		
11:42	MP25337-SD1	5		
11:46	MP25337-PS1	1		
11:51	MP25337-S1	1		
11:55	MP25337-S2	1		
11:59	ZZZZZZ	1		
12:04	MA10834-CCV4	1		
12:08	MA10834-CCB4	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:55	ZZZZZZ	1		
13:00	MA10834-CCV5	1		
13:04	MA10834-CCB5	1		
13:08	ZZZZZZ	1		
13:23	MP25344-MB1	1		
13:28	MP25344-B1	1		
13:32	FA5526-1	1		(sample used for QC only; not part of login FA5565)
13:37	MP25344-D1	1		
13:41	MP25344-SD1	5		
13:46	MP25344-PS1	1		
13:50	MP25344-S1	1		
13:54	MA10834-CCV6	1		
13:59	MA10834-CCB6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:03	MP25344-S2	1		
14:07	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:17	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:30	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:39	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:48	MA10834-CCV7	1		
14:53	MA10834-CCB7	1		
14:57	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:06	ZZZZZZ	1		
15:11	ZZZZZZ	1		
15:15	FA5565-1	1		
15:20	FA5565-2	1		
15:25	FA5565-3	1		
15:30	FA5565-4	1		
15:34	FA5565-5	1		
15:39	MP25344-MB2A	1		
---------->	Last reportable sample/prep for job FA5565			
15:43	MA10834-CCV8	1		
15:48	MA10834-CCB8	1		
15:52	MA10834-CRIA2	1		
15:57	MA10834-ICSA2	1		
16:01	MA10834-ICSAB2	1		
16:24	MA10834-CCV9	1		
16:28	MA10834-CCB9	1		
---------->	Last reportable CCB for job FA5565			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:11	MA10834-STD1	2000	22162	8489	1202
08:15	MA10834-STD2	1939	21398	8387	1113
08:19	MA10834-STD3	1868	20636	8222	1014
08:23	MA10834-STD4	1797	19993	8116	940
08:28	MA10834-HSTD1	1812	20087	8116	943
08:37	MA10834-ICV1	1887	20769	8250	1017
08:51	MA10834-ICB1	2002 R	22101 R	8471 R	1204 R
08:56	MA10834-CRIA1	1969	21599	8458	1155
09:05	MA10834-ICSA1	1682	18334	7661	859
09:13	MA10834-ICSAB1	1675	18486	7666	850
09:18	MA10834-CCV1	1873	20684	8270	1013
09:27	MA10834-CCB1	2005	22231	8469	1201
09:32	MP25339-MB1	1980	22242	8475	1195
09:36	MP25339-B1	1878	20858	8311	1053
09:40	FA5476-1F	1872	20907	8246	1087
09:45	MP25339-D1	1875	20952	8318	1089
09:49	MP25339-SD1	1962	21780	8447	1165
09:54	MP25339-PS1	1856	20758	8281	1061
09:58	MP25339-S1	1816	20212	8177	1008
10:02	MP25339-S2	1833	20396	8168	1013
10:07	ZZZZZZ	1855	20751	8251	1072
10:11	ZZZZZZ	1840	20651	8214	1063
10:16	MA10834-CCV2	1865	20634	8270	1010
10:20	MA10834-CCB2	2001	22282	8472	1198
10:25	ZZZZZZ	1872	21112	8258	1090
10:29	ZZZZZZ	1870	21105	8241	1086
10:34	ZZZZZZ	1861	20991	8203	1076
10:38	ZZZZZZ	1877	21253	8275	1095
10:43	ZZZZZZ	1864	21062	8243	1082
10:47	ZZZZZZ	1868	21120	8222	1083
10:52	ZZZZZZ	1628	18221	7670	840
10:56	ZZZZZZ	1623	18243	7612	847
11:01	ZZZZZZ	1658	18922	7736	898

INTERNAL STANDARD SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:06	ZZZZZZ	1650	18845	7717	898
11:10	MA10834-CCV3	1849	20752	8210	1000
11:15	MA10834-CCB3	1973	22186	8388	1182
11:19	MP25339-MB2A	1936	22231	8395	1173
11:24	MP25337-MB1	1941	22335	8375	1175
11:28	MP25337-B1	1861	20820	8104	1035
11:33	FA5683-1	1951	22300	8338	1173
11:37	MP25337-D1	1955	22185	8316	1171
11:42	MP25337-SD1	1979	22441	8438	1183
11:46	MP25337-PS1	1889	21391	8158	1102
11:51	MP25337-S1	1865	20911	8119	1043
11:55	MP25337-S2	1864	20958	8147	1045
11:59	ZZZZZZ	1957	22220	8326	1169
12:04	MA10834-CCV4	1856	20802	8195	999
12:08	MA10834-CCB4	1970	22347	8406	1183
12:32	ZZZZZZ	2002	22345	8505	1133
12:36	ZZZZZZ	2109	23507	8984	1092
12:41	ZZZZZZ	1881	20989	8344	934
12:45	ZZZZZZ	1962	22026	8351	1146
12:50	ZZZZZZ	1861	20861	8478	829
12:55	ZZZZZZ	1873	21052	8536	831
13:00	MA10834-CCV5	1852	20843	8235	1000
13:04	MA10834-CCB5	1937	21933	8266	1163
13:08	ZZZZZZ	2044	23099	9319	816
13:23	MP25344-MB1	1951	22491	8419	1178
13:28	MP25344-B1	1844	20911	8186	1034
13:32	FA5526-1	1810	20700	8157	1040
13:37	MP25344-D1	1805	20723	8115	1038
13:41	MP25344-SD1	1895	21615	8288	1123
13:46	MP25344-PS1	1793	20466	8074	1018
13:50	MP25344-S1	1767	19955	7955	972
13:54	MA10834-CCV6	1821	20518	8104	987
13:59	MA10834-CCB6	1947	22028	8325	1171

INTERNAL STANDARD SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10834
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:03	MP25344-S2	1769	20101	7996	976
14:07	ZZZZZZ	1801	20491	8117	1041
14:12	ZZZZZZ	1867	21354	8257	1112
14:17	ZZZZZZ	1807	20653	8117	1050
14:21	ZZZZZZ	1748	20113	7986	1007
14:26	ZZZZZZ	1910	21938	8343	1155
14:30	ZZZZZZ	1858	21172	8226	1082
14:35	ZZZZZZ	1882	21473	8261	1111
14:39	ZZZZZZ	1901	21745	8354	1121
14:44	ZZZZZZ	1843	21314	8302	1099
14:48	MA10834-CCV7	1828	20615	8197	985
14:53	MA10834-CCB7	1953	22132	8401	1168
14:57	ZZZZZZ	1908	21923	8418	1135
15:02	ZZZZZZ	1838	21093	8239	1074
15:06	ZZZZZZ	1953	22344	8715	1084
15:11	ZZZZZZ	1876	21398	8296	1105
15:15	FA5565-1	1564	17873	7520	828
15:20	FA5565-2	1545	17740	7407	822
15:25	FA5565-3	1628	18625	7663	804
15:30	FA5565-4	1918	22133	8393	1164
15:34	FA5565-5	1734	19928	7932	950
15:39	MP25344-MB2A	1901	22085	8372	1151
15:43	MA10834-CCV8	1811	20556	8170	980
15:48	MA10834-CCB8	1931	22028	8380	1162
15:52	MA10834-CRIA2	1902	21453	8322	1112
15:57	MA10834-ICSA2	1615	18196	7562	830
16:01	MA10834-ICSAB2	1606	18200	7542	819
16:24	MA10834-CCV9	1782	20404	8106	972
16:28	MA10834-CCB9	1916	21931	8335	1154

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: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10834 Units: ug/l

Time:			08:51		09:27		10:20		11:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-9.4	<200	10.1	<200	0.40	<200	-3.1	<200
Antimony	6.0	1.3	0.40	<6.0	-0.50	<6.0	0.80	<6.0	0.50	<6.0
Arsenic	10	1.6	-0.20	<10	-0.40	<10	-0.50	<10	0.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	-12	<1000	15.3	<1000	-0.80	<1000	15.1	<1000
Chromium	10	1.8	-0.60	<10	-0.10	<10	0.0	<10	-0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-11	<300	8.0	<300	2.7	<300	8.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-9.6	<5000	0.40	<5000	-0.90	<5000	19.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	-28	<10000	3.1	<10000	-19	<10000	8.4	<10000
Selenium	10	2	-0.30	<10	-1.3	<10	-2.4	<10	-1.3	<10
Silver	10	.5	anr							
Sodium	10000	500	-18	<10000	-2.6	<10000	-5.9	<10000	21.6	<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: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10834 Units: ug/l

Time:			12:08		13:04		13:59		14:53	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-0.60	<200	-0.50	<200	-2.4	<200	-2.7	<200
Antimony	6.0	1.3	0.30	<6.0	-0.10	<6.0	0.60	<6.0	0.90	<6.0
Arsenic	10	1.6	0.20	<10	0.20	<10	0.50	<10	0.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	-0.20	<1000	27.9	<1000	1.3	<1000	-1.8	<1000
Chromium	10	1.8	-0.10	<10	-0.30	<10	-0.20	<10	0.10	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	5.2	<300	8.3	<300	-0.20	<300	4.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	3.2	<5000	-15	<5000	-1.7	<5000	12.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	-11	<10000	10.1	<10000	-20	<10000	-19	<10000
Selenium	10	2	-1.2	<10	-1.9	<10	-2.6	<10	-1.4	<10
Silver	10	.5	anr							
Sodium	10000	500	-2.2	<10000	11.1	<10000	-1.3	<10000	1.3	<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: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10834 Units: ug/l

Time:			15:48		16:28	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	-9.0	<200	-12	<200
Antimony	6.0	1.3	0.30	<6.0	0.80	<6.0
Arsenic	10	1.6	-1.3	<10	-0.10	<10
Barium	200	1	anr			
Beryllium	4.0	.5	anr			
Cadmium	5.0	.5	0.10	<5.0	0.0	<5.0
Calcium	1000	50	-9.1	<1000	-12	<1000
Chromium	10	1.8	-0.30	<10	-0.30	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	-3.3	<300	-3.1	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	-4.1	<5000	-9.6	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5				
Potassium	10000	200	-1.5	<10000	5.1	<10000
Selenium	10	2	-0.30	<10	-2.1	<10
Silver	10	.5	anr			
Sodium	10000	500	20.7	<10000	18.2	<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: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10834 Units: ug/l

Time:		08:37			09:18			10:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	40400	101.0	40000	40100	100.3
Antimony	2000	2040	102.0	2000	2030	101.5	2000	2050	102.5
Arsenic	2000	2050	102.5	2000	2030	101.5	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2060	103.0	2000	2070	103.5
Calcium	40000	41800	104.5	40000	40600	101.5	40000	41200	103.0
Chromium	2000	2120	106.0	2000	2060	103.0	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	40000	42600	106.5	40000	41400	103.5	40000	41400	103.5
Lead	anr								
Magnesium	40000	41400	103.5	40000	40400	101.0	40000	40200	100.5
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	40800	102.0	40000	41000	102.5	40000	40500	101.3
Selenium	2000	2040	102.0	2000	2040	102.0	2000	2050	102.5
Silver	anr								
Sodium	40000	40700	101.8	40000	40900	102.3	40000	40500	101.3
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: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10834 Units: ug/l

Time:		11:10			12:04			13:00	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	41100	102.8	40000	40600	101.5
Antimony	2000	2050	102.5	2000	2060	103.0	2000	2070	103.5
Arsenic	2000	2050	102.5	2000	2060	103.0	2000	2060	103.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2080	104.0	2000	2070	103.5
Calcium	40000	41000	102.5	40000	41400	103.5	40000	41400	103.5
Chromium	2000	2060	103.0	2000	2080	104.0	2000	2080	104.0
Cobalt									
Copper	anr								
Iron	40000	41900	104.8	40000	42500	106.3	40000	42200	105.5
Lead	anr								
Magnesium	40000	40400	101.0	40000	40900	102.3	40000	40700	101.8
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	41100	102.8	40000	41800	104.5	40000	41200	103.0
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2070	103.5
Silver	anr								
Sodium	40000	41000	102.5	40000	41600	104.0	40000	40900	102.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10834 Units: ug/l

Time:		13:54			14:48			15:43	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40800	102.0	40000	40600	101.5
Antimony	2000	2080	104.0	2000	2070	103.5	2000	2080	104.0
Arsenic	2000	2080	104.0	2000	2070	103.5	2000	2070	103.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2070	103.5	2000	2080	104.0
Calcium	40000	40900	102.3	40000	40800	102.0	40000	40700	101.8
Chromium	2000	2070	103.5	2000	2070	103.5	2000	2050	102.5
Cobalt									
Copper	anr								
Iron	40000	42100	105.3	40000	42000	105.0	40000	41900	104.8
Lead	anr								
Magnesium	40000	40600	101.5	40000	40600	101.5	40000	40400	101.0
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	41800	104.5	40000	41400	103.5	40000	41400	103.5
Selenium	2000	2090	104.5	2000	2080	104.0	2000	2080	104.0
Silver	anr								
Sodium	40000	41700	104.3	40000	41300	103.3	40000	41200	103.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10834 Units: ug/l

Time:		16:24	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	40800	102.0
Antimony	2000	2100	105.0
Arsenic	2000	2090	104.5
Barium	anr		
Beryllium	anr		
Cadmium	2000	2080	104.0
Calcium	40000	40200	100.5
Chromium	2000	2040	102.0
Cobalt			
Copper	anr		
Iron	40000	41700	104.3
Lead	anr		
Magnesium	40000	40200	100.5
Manganese	anr		
Molybdenum			
Nickel			
Potassium	40000	42100	105.3
Selenium	2000	2110	105.5
Silver	anr		
Sodium	40000	42000	105.0
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10834 Units: ug/l

Time:		08:28	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80100	100.1
Antimony	4000	3970	99.3
Arsenic	4000	3980	99.5
Barium	anr		
Beryllium	anr		
Cadmium	4000	3930	98.3
Calcium	80000	79500	99.4
Chromium	4000	3950	98.8
Cobalt			
Copper	anr		
Iron	80000	80100	100.1
Lead	anr		
Magnesium	80000	80400	100.5
Manganese	anr		
Molybdenum			
Nickel			
Potassium	80000	79400	99.3
Selenium	4000	3960	99.0
Silver	anr		
Sodium	80000	79400	99.3
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10834 Units: ug/l

Time:			08:56		15:52	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	190	95.0	188	94.0
Antimony	10	5.0	5.3	106.0	5.1	102.0
Arsenic	20	10	10.3	103.0	11.0	110.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.1	102.0	5.2	104.0
Calcium	2000	1000	1010	101.0	1010	101.0
Chromium	20	10	10.1	101.0	10.4	104.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	305	101.7	316	105.3
Lead	10	5.0	anr			
Magnesium	10000	5000	4860	97.2	4890	97.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000	10200	102.0	10400	104.0
Selenium	20	10	8.1	81.0	9.9	99.0
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				
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: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA061913M1.ICP Date Analyzed: 06/19/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10834 Units: ug/l

Time:			09:05		09:13		15:57		16:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	528000	105.6	531000	106.2	527000	105.4	530000	106.0
Antimony		1000	0.0		1040	104.0	-2.9		1070	107.0
Arsenic		1000	-0.80		1050	105.0	0.20		1080	108.0
Barium		500	-0.40		534	106.8	-0.40		553	110.6
Beryllium		500	-0.70		514	102.8	-0.60		513	102.6
Cadmium		1000	0.20		937	93.7	1.2		952	95.2
Calcium	500000	500000	504000	100.8	504000	100.8	503000	100.6	500000	100.0
Chromium		500	0.0		486	97.2	0.40		478	95.6
Cobalt		500	-1.1		468	93.6	-1.2		478	95.6
Copper		500	0.0		553	110.6	-0.10		571	114.2
Iron	200000	200000	190000	95.0	202000	101.0	191000	95.5	202000	101.0
Lead		1000	0.0		959	95.9	-0.20		972	97.2
Magnesium	500000	500000	519000	103.8	519000	103.8	515000	103.0	515000	103.0
Manganese		500	0.0		495	99.0	0.30		492	98.4
Molybdenum		1000	-0.50		922	92.2	-0.60		951	95.1
Nickel		1000	0.0		921	92.1	0.60		943	94.3
Potassium			-13		-15		-0.20		3.7	
Selenium		1000	0.0		1010	101.0	5.7		1050	105.0
Silver		1000	0.50		1050	105.0	0.50		1050	105.0
Sodium			73.9		118		142		186	
Strontium		1000	11.6		1030	103.0	11.7		1050	105.0
Thallium		1000	0.0		948	94.8	1.2		965	96.5
Tin		1000	5.0		912	91.2	4.2		930	93.0
Titanium		1000	-1.0		970	97.0	-1.1		980	98.0
Vanadium		500	-0.30		479	95.8	-0.50		473	94.6
Zinc		1000	-2.8		944	94.4	-3.7		955	95.5

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10837
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:59	MA10837-STD1	1		STDA
08:03	MA10837-STD2	1		STDB
08:07	MA10837-STD3	1		STDC
08:10	MA10837-STD4	1		STDD
08:15	MA10837-HSTD1	1		
08:19	MA10837-ICV1	1		
08:29	MA10837-ICB1	1		
08:33	MA10837-CRIA1	1		
08:40	MA10837-ICSA1	1		
08:51	MA10837-ICSAB1	1		
09:00	MA10837-CCV1	1		
09:10	MA10837-CCB1	1		
09:15	MP25346-MB1	1		
09:20	MP25346-B1	1		
09:24	FA5671-1	1		(sample used for QC only; not part of login FA5565)
09:28	MP25346-D1	1		
09:33	MP25346-SD1	5		
09:38	MP25346-PS1	1		
09:42	MP25346-S1	1		
09:47	MP25346-S2	1		
09:51	ZZZZZZ	1		
09:56	ZZZZZZ	1		
10:00	MA10837-CCV2	1		
10:04	MA10837-CCB2	1		
10:08	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:39	ZZZZZZ	1		
10:44	ZZZZZZ	1		
10:48	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:57	ZZZZZZ	1		
11:02	ZZZZZZ	1		
11:06	MA10837-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10837
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:10	MA10837-CCB3	1		
11:15	ZZZZZZ	1		
11:19	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:49	MA10837-CCV4	1		
11:58	MA10837-CCB4	1		
12:02	ZZZZZZ	10		
12:06	ZZZZZZ	10		
12:11	ZZZZZZ	2		
12:15	ZZZZZZ	5		
12:20	ZZZZZZ	5		
12:24	ZZZZZZ	5		
12:29	ZZZZZZ	2		
12:33	ZZZZZZ	2		
12:38	ZZZZZZ	2		
12:43	ZZZZZZ	5		
12:47	MA10837-CCV5	1		
12:51	MA10837-CCB5	1		
12:56	ZZZZZZ	5		
13:00	FA5565-1	5		
13:05	FA5565-2	4		
13:09	FA5565-3	5		
---------->	Last reportable sample/prep for job FA5565			
13:40	MA10837-CCV6	1		
13:45	MA10837-CCB6	1		
14:02	MA10837-CRIA2	1		
14:07	MA10837-ICSA2	1		
14:11	MA10837-ICSAB2	1		
14:16	MA10837-CCV7	1		
14:20	MA10837-CCB7	1		
---------->	Last reportable CCB for job FA5565			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10837
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:59	MA10837-STD1	4513	33516	6157	2041
08:03	MA10837-STD2	4458	32921	6155	1926
08:07	MA10837-STD3	4358	32295	6131	1791
08:10	MA10837-STD4	4162	30979	6059	1649
08:15	MA10837-HSTD1	4214	31431	6120	1669
08:19	MA10837-ICV1	4341	32070	6153	1792
08:29	MA10837-ICB1	4527 R	33378 R	6225 R	2062 R
08:33	MA10837-CRIA1	4479	32978	6255	1999
08:40	MA10837-ICSA1	4056	29381	6035	1561
08:51	MA10837-ICSAB1	4047	29411	5974	1543
09:00	MA10837-CCV1	4379	32354	6176	1789
09:10	MA10837-CCB1	4528	33671	6142	2049
09:15	MP25346-MB1	4535	33986	6240	2051
09:20	MP25346-B1	4420	32619	6143	1871
09:24	FA5671-1	6486 !	47962 !	9197 !	1787
09:28	MP25346-D1	7616 !	55965 !	10817 !	1703
09:33	MP25346-SD1	5024	37046	6876	1972
09:38	MP25346-PS1	6414 !	47199 !	9106 !	1769
09:42	MP25346-S1	6668 !	49111 !	9521 !	1715
09:47	MP25346-S2	6636 !	48705 !	9487 !	1707
09:51	ZZZZZZ	6848 !	50064 !	9589 !	1799
09:56	ZZZZZZ	6604 !	48706 !	9272 !	1807
10:00	MA10837-CCV2	4431	32691	6169	1810
10:04	MA10837-CCB2	4571	33916	6202	2060
10:08	ZZZZZZ	4622	34117	6739	1626
10:35	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:39	ZZZZZZ	4597	33688	6379	1740
10:44	ZZZZZZ	4559	33687	6296	1802
10:48	ZZZZZZ	4492	33180	6232	1765
10:53	ZZZZZZ	4948	36512	6682	1894
10:57	ZZZZZZ	6423 !	47283 !	8781 !	1822
11:02	ZZZZZZ	5898 !	43446 !	8120 !	1820
11:06	MA10837-CCV3	4405	32800	6042	1796

INTERNAL STANDARD SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10837
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:10	MA10837-CCB3	4547	33891	6105	2049
11:15	ZZZZZZ	8000 !	59690 !	11171 !	1737
11:19	ZZZZZZ	6604 !	49232 !	9199 !	1768
11:24	ZZZZZZ	6015 !	44775 !	8393 !	1704
11:28	ZZZZZZ	6480 !	48194 !	9006 !	1742
11:49	MA10837-CCV4	4344	32816	5938	1758
11:58	MA10837-CCB4	4498	33863	5990	2014
12:02	ZZZZZZ	4385	32889	5963	1899
12:06	ZZZZZZ	4378	32845	5991	1898
12:11	ZZZZZZ	4737	34995	6571	1791
12:15	ZZZZZZ	5518	40797	7445	1898
12:20	ZZZZZZ	5364	39982	7298	1842
12:24	ZZZZZZ	5454	40579	7484	1819
12:29	ZZZZZZ	4479	33395	6342	1651
12:33	ZZZZZZ	4493	33596	6344	1646
12:38	ZZZZZZ	4770	35657	6694	1638
12:43	ZZZZZZ	5396	40263	7284	1861
12:47	MA10837-CCV5	4335	32684	5916	1758
12:51	MA10837-CCB5	4490	33986	6007	2010
12:56	ZZZZZZ	5150	38443	7030	1820
13:00	FA5565-1	4231	32041	5995	1802
13:05	FA5565-2	4156	31672	5939	1786
13:09	FA5565-3	4264	32333	6017	1797
13:40	MA10837-CCV6	4307	32611	6021	1759
13:45	MA10837-CCB6	4462	33771	6086	2011
14:02	MA10837-CRIA2	4446	33563	6070	1965
14:07	MA10837-ICSA2	3984	29659	5828	1533
14:11	MA10837-ICSAB2	3986	29854	5820	1522
14:16	MA10837-CCV7	4318	32811	6014	1763
14:20	MA10837-CCB7	4475	33999	6035	2018

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

LEGEND:

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

INTERNAL STANDARD SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10837
Parameters: Sb,Cd,Ca,Cr,Se,Na

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

6.2.1

6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10837 Units: ug/l

Time:			08:29		09:10		10:04		11:10	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	20	1.3	0.30	<20	1.3	<20	0.60	<20	0.50	<20
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	5.0	.5	anr							
Cadmium	4.0	.5	0.0	<4.0	0.30	<4.0	0.30	<4.0	0.10	<4.0
Calcium	5000	50	-6.1	<5000	25.8	<5000	9.7	<5000	7.9	<5000
Chromium	10	1.8	-0.10	<10	0.60	<10	0.30	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	20	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	20	2	0.70	<20	-0.50	<20	-1.1	<20	-0.50	<20
Silver	10	.5	anr							
Sodium	10000	500	-4.4	<10000	15.6	<10000	4.4	<10000	6.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10837 Units: ug/l

Time:			11:58		12:51		13:45		14:20	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	20	1.3	-0.40	<20	0.70	<20	0.40	<20	0.60	<20
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	5.0	.5	anr							
Cadmium	4.0	.5	0.0	<4.0	0.40	<4.0	0.20	<4.0	0.10	<4.0
Calcium	5000	50	0.50	<5000	6.1	<5000	3.8	<5000	10.8	<5000
Chromium	10	1.8	-0.10	<10	0.30	<10	0.40	<10	0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	20	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	20	2	0.80	<20	1.6	<20	-1.2	<20	-0.10	<20
Silver	10	.5	anr							
Sodium	10000	500	-6.3	<10000	15.0	<10000	24.3	<10000	11.1	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10837 Units: ug/l

Time:		08:19			09:00			10:00	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2030	101.5	2000	2030	101.5
Calcium	40000	41600	104.0	40000	40400	101.0	40000	40500	101.3
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Silver	anr								
Sodium	40000	41300	103.3	40000	39900	99.8	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: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10837 Units: ug/l

Time:		11:06			11:49			12:47	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	2000	2020	101.0	2000	2040	102.0	2000	2030	101.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Calcium	40000	40700	101.8	40000	41100	102.8	40000	40700	101.8
Chromium	2000	1980	99.0	2000	1950	97.5	2000	1940	97.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Silver	anr								
Sodium	40000	40300	100.8	40000	40900	102.3	40000	40600	101.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10837 Units: ug/l

Time:		13:40			14:16	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	2000	2040	102.0	2000	2040	102.0
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	2000	2040	102.0	2000	2030	101.5
Calcium	40000	40500	101.3	40000	40500	101.3
Chromium	2000	1940	97.0	2000	1900	95.0
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	2000	2030	101.5	2000	2030	101.5
Silver	anr					
Sodium	40000	40300	100.8	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: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10837 Units: ug/l

Time:		08:15	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	4000	3960	99.0
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	4000	3920	98.0
Calcium	80000	78300	97.9
Chromium	4000	3910	97.8
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	4000	3940	98.5
Silver	anr		
Sodium	80000	78700	98.4
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: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10837 Units: ug/l

Time:			08:33		14:02	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	5.4	108.0	5.1	102.0
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.0	100.0
Calcium	2000	1000	1030	103.0	1030	103.0
Chromium	20	10	10.3	103.0	9.5	95.0
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	10.1	101.0	9.3	93.0
Silver	20	10	anr			
Sodium	20000	10000	9970	99.7	10000	100.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10837 Units: ug/l

Time:			08:40		08:51		14:07		14:11	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	493000	98.6	498000	99.6	505000	101.0	502000	100.4
Antimony		1000	-0.10		1010	101.0	1.2		1030	103.0
Arsenic		1000	0.0		1020	102.0	-0.70		1010	101.0
Barium		500	-0.20		520	104.0	-0.40		544	108.8
Beryllium		500	-0.40		495	99.0	-0.40		483	96.6
Cadmium		1000	-0.10		920	92.0	0.70		920	92.0
Calcium	500000	500000	468000	93.6	465000	93.0	473000	94.6	471000	94.2
Chromium		500	0.0		480	96.0	-0.30		442	88.4
Cobalt		500	-0.90		461	92.2	-1.0		471	94.2
Copper		500	0.0		531	106.2	0.70		541	108.2
Iron	200000	200000	181000	90.5	195000	97.5	181000	90.5	192000	96.0
Lead		1000	0.10		968	96.8	0.30		967	96.7
Magnesium	500000	500000	481000	96.2	487000	97.4	470000	94.0	469000	93.8
Manganese		500	0.20		495	99.0	0.40		484	96.8
Molybdenum		1000	-0.20		901	90.1	-0.20		936	93.6
Nickel		1000	0.0		914	91.4	0.20		919	91.9
Potassium			-18		30.4		3.5		-40	
Selenium		1000	0.0		977	97.7	1.7		989	98.9
Silver		1000	0.70		1020	102.0	0.50		1020	102.0
Sodium			92.2		150		149		189	
Strontium		1000	11.6		1000	100.0	11.8		1020	102.0
Thallium		1000	0.0		961	96.1	-2.8		968	96.8
Tin		1000	2.7		899	89.9	2.5		911	91.1
Titanium		1000	-3.9		958	95.8	-4.1		949	94.9
Vanadium		500	-0.10		475	95.0	-0.70		455	91.0
Zinc		1000	-1.5		925	92.5	-1.8		933	93.3

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25344
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					06/19/13		06/19/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15	44.7	<200	-15	<200
Antimony	6.0	1.3	1.3	-0.10	<6.0	0.0	<6.0
Arsenic	10	1.6	2.5	-2.0	<10	-2.2	<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	0.0	<1000	-0.90	<1000
Chromium	10	1.8	2	-0.60	<10	-0.40	<10
Cobalt	50	.5	.5				
Copper	25	1	1				
Iron	300	29	29	88.6	<300	-16	<300
Lead	5.0	1.1	1.1				
Magnesium	5000	74	74	14.2	<5000	5.6	<5000
Manganese	15	.7	.7				
Molybdenum	50	.6	1				
Nickel	40	.5	.5				
Potassium	10000	200	200	-25	<10000	-7.4	<10000
Selenium	10	2	2	-2.3	<10	-0.70	<10
Silver	10	.5	.5				
Sodium	10000	500	500	-11	<10000	31.8	<10000
Strontium	10	.5	.5				
Thallium	10	1.3	1.3				
Tin	50	.7	1.8				
Titanium	10	.9	1				
Vanadium	50	.5	1				
Zinc	20	3	5				

Associated samples MP25344: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25344
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/19/13					06/19/13	
Metal	FA5526-1 Original	DUP	RPD	QC Limits	FA5526-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	83.2	81.3	2.3	0-20	83.2	30300	27000	111.9	80-120
Antimony	0.0	0.0	NC	0-20	0.0	544	500	108.8	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2170	2000	108.5	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	52.5	50	105.0	80-120
Calcium	87100	88100	1.1	0-20	87100	113000	25000	103.6	80-120
Chromium	0.0	0.0	NC	0-20	0.0	217	200	108.5	80-120
Cobalt									
Copper									
Iron	90.2	93.6	3.7	0-20	90.2	29400	26000	112.7	80-120
Lead	anr								
Magnesium	14500	14600	0.7	0-20	14500	41100	25000	106.4	80-120
Manganese	anr								
Molybdenum									
Nickel									
Potassium	578	581	0.5	0-20	578	30000	25000	117.7	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2140	2000	107.0	80-120
Silver									
Sodium	16700	16700	0.0	0-20	16700	45900	25000	116.8	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP25344: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25344
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/13

Metal	FA5526-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	83.2	29200	27000	107.8	3.7	20
Antimony	0.0	525	500	105.0	3.6	20
Arsenic	0.0	2090	2000	104.5	3.8	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	50.9	50	101.8	3.1	20
Calcium	87100	113000	25000	103.6	0.0	20
Chromium	0.0	209	200	104.5	3.8	20
Cobalt						
Copper						
Iron	90.2	28600	26000	109.7	2.8	20
Lead	anr					
Magnesium	14500	40600	25000	104.4	1.2	20
Manganese	anr					
Molybdenum						
Nickel						
Potassium	578	28900	25000	113.3	3.7	20
Selenium	0.0	2090	2000	104.5	2.4	20
Silver						
Sodium	16700	44400	25000	110.8	3.3	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP25344: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25344
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28600	27000	105.9	80-120
Antimony	517	500	103.4	80-120
Arsenic	2050	2000	102.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	51.1	50	102.2	80-120
Calcium	26400	25000	105.6	80-120
Chromium	209	200	104.5	80-120
Cobalt				
Copper				
Iron	28700	26000	110.4	80-120
Lead	anr			
Magnesium	25600	25000	102.4	80-120
Manganese	anr			
Molybdenum				
Nickel				
Potassium	27800	25000	111.2	80-120
Selenium	2040	2000	102.0	80-120
Silver				
Sodium	27600	25000	110.4	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP25344: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25344
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/13

Metal	FA5526-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	83.2	0.00	100.0(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	87100	91100	4.6	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron	90.2	0.00	100.0(a)	0-10
Lead	anr			
Magnesium	14500	15000	3.5	0-10
Manganese	anr			
Molybdenum				
Nickel				
Potassium	578	0.00	100.0(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	16700	16300	2.9	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP25344: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5

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

POST DIGESTATE SPIKE SUMMARY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25344
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/13

Metal	Sample ml	Final ml	FA5526-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	83.2	81.536	2624	0.2	125	2500	101.7	80-120
Antimony	9.8	10	0	0	106.4	0.2	5	100	106.4	80-120
Arsenic	9.8	10	0	0	104.7	0.2	5	100	104.7	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	52.8	0.2	2.5	50	105.6	80-120
Calcium	9.8	10	87050	85309	91600	0.2	250	5000	125.8*(a	80-120
Chromium	9.8	10	0	0	52.8	0.2	2.5	50	105.6	80-120
Cobalt										
Copper										
Iron	9.8	10	90.2	88.396	3276	0.2	150	3000	106.3	80-120
Lead										
Magnesium	9.8	10	14470	14180.6	19130	0.2	250	5000	99.0	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	577.7	566.146	11510	0.2	500	10000	109.4	80-120
Selenium	9.8	10	0	0	103.9	0.2	5	100	103.9	80-120
Silver										
Sodium	9.8	10	16740	16405.2	27340	0.2	500	10000	109.3	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25344: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5

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

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5565
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	GN56479	5.0	1.0	mg/l	250	244	97.6	90-113%
Alkalinity, Total as CaCO3	GN56481	25	0.0	mg/l	250	245	98.0	90-113%
Chloride	GP21870/GN56290	2.0	0.0	mg/l	50	52.8	105.6	90-110%
Fluoride	GP21948/GN56444	0.20	0.0	mg/l	2.5	2.39	95.6	90-110%
Nitrogen, Nitrate	GP21870/GN56290	0.10	0.0	mg/l	2.5	2.55	102.0	90-110%
Nitrogen, Nitrite	GP21870/GN56290	0.10	0.0	mg/l	2.5	2.50	100.0	90-110%
Phosphate, Ortho	GP21856/GN56256	0.10	0.0	mg/l	.300	0.31	104.0	83-116%
Phosphorus, Total	GP21949/GN56464	0.10	0.0	mg/l	.300	0.27	90.7	81-118%
Solids, Total Dissolved	GN56314	100	16.0	mg/l				
Solids, Total Dissolved	GN56347	100	36.0	mg/l				
Specific Conductivity	GN56260	1.0	0.0	umhos/cm				
Sulfate	GP21870/GN56290	2.0	0.0	mg/l	50	49.2	98.4	90-110%

Associated Samples:
Batch GN56260: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
Batch GN56314: FA5565-1, FA5565-2, FA5565-3, FA5565-4
Batch GN56347: FA5565-5
Batch GN56479: FA5565-3, FA5565-4, FA5565-5
Batch GN56481: FA5565-1, FA5565-2
Batch GP21856: FA5565-1F, FA5565-2F, FA5565-3F, FA5565-4F, FA5565-5F
Batch GP21870: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
Batch GP21948: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
Batch GP21949: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5565
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	GN56479	FA5607-2	mg/l	10.6	10.6	0.0	0-20%
Alkalinity, Total as CaCO3	GN56481	FA5565-2	mg/l	555	548	1.3	0-20%
Solids, Total Dissolved	GN56314	FA5646-3	mg/l	521	523	0.4	0-5%
Solids, Total Dissolved	GN56347	FA5627-5	mg/l	83.0	83.0	0.0	0-5%
Specific Conductivity	GN56260	FA5565-1	umhos/cm	4690	4670	0.2	0-10%
pH	GN56259	FA5565-1	su	6.44	6.43	0.2	0-10%

Associated Samples:
Batch GN56259: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
Batch GN56260: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
Batch GN56314: FA5565-1, FA5565-2, FA5565-3, FA5565-4
Batch GN56347: FA5565-5
Batch GN56479: FA5565-3, FA5565-4, FA5565-5
Batch GN56481: FA5565-1, FA5565-2
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP21870/GN56290	FA5504-1	mg/l	3.0	50	57.1	108.2	90-110%
Fluoride	GP21948/GN56444	FA5659-1	mg/l	0.67	2.5	3.5	113.2N(a)	90-110%
Nitrogen, Nitrate	GP21870/GN56290	FA5504-1	mg/l	0.093	2.5	2.8	108.3	90-110%
Nitrogen, Nitrite	GP21870/GN56290	FA5504-1	mg/l	0.0	2.5	2.8	112.0N(a)	90-110%
Phosphate, Ortho	GP21856/GN56256	FA5565-5F	mg/l	8.2	15.0	20.9	84.4	83-116%
Phosphorus, Total	GP21949/GN56464	FA5558-9	mg/l	0.028 U	.300	0.31	97.4	81-118%
Sulfate	GP21870/GN56290	FA5504-1	mg/l	1.9	50	56.3	108.8	90-110%

Associated Samples:
Batch GP21856: FA5565-1F, FA5565-2F, FA5565-3F, FA5565-4F, FA5565-5F
Batch GP21870: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
Batch GP21948: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
Batch GP21949: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
(*) 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: FA5565
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	GP21870/GN56290	FA5504-1	mg/l	3.0	50	57.2	0.2	20%
Fluoride	GP21948/GN56444	FA5659-1	mg/l	0.67	2.5	3.6	2.8	20%
Nitrogen, Nitrate	GP21870/GN56290	FA5504-1	mg/l	0.093	2.5	2.9	3.5	20%
Nitrogen, Nitrite	GP21870/GN56290	FA5504-1	mg/l	0.0	2.5	2.8	0.0	20%
Phosphate, Ortho	GP21856/GN56256	FA5565-5F	mg/l	8.2	15.0	21.2	1.4	26%
Phosphorus, Total	GP21949/GN56464	FA5558-9	mg/l	0.028 U	.300	0.297	2.8	22%
Sulfate	GP21870/GN56290	FA5504-1	mg/l	1.9	50	56.5	0.4	20%

Associated Samples:
Batch GP21856: FA5565-1F, FA5565-2F, FA5565-3F, FA5565-4F, FA5565-5F
Batch GP21870: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
Batch GP21948: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
Batch GP21949: FA5565-1, FA5565-2, FA5565-3, FA5565-4, FA5565-5
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140601.TXT Date Analyzed: 06/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56290
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:14	GN56290-CCV1	1		
09:30	GP21870-MB1	1		
09:47	GP21870-B1	1		
10:25	ZZZZZZ	5		
10:59	FA5504-1	1		(sample used for QC only; not part of login FA5565)
11:15	ZZZZZZ	1		
11:32	FA5504-2	1		(sample used for QC only; not part of login FA5565)
11:49	ZZZZZZ	1		
12:06	ZZZZZZ	2		
12:23	GN56290-CCV2	1		
12:40	GN56290-CCB1	1		
12:57	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:48	ZZZZZZ	1		
14:05	ZZZZZZ	1		
14:22	FA5565-4	1		
14:39	ZZZZZZ	2		
14:56	ZZZZZZ	1		
15:13	FA5565-3	25		
15:29	FA5565-1	25		
16:46	GN56290-CCV3	1		
17:03	GN56290-CCB2	1		
17:20	FA5565-2	25		
17:37	FA5565-5	5		
17:54	ZZZZZZ	1		
18:10	ZZZZZZ	5		
18:27	GP21870-S1	1		
18:44	GP21870-S2	1		
19:01	GP21870-S3	1		
19:18	GP21870-S4	1		
19:35	GN56290-CCV4	1		
19:52	GP21871-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140601.TXT Date Analyzed: 06/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56290
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:09	GP21871-B1	1		
20:59	ZZZZZZ	5		
21:16	ZZZZZZ	1		
21:33	ZZZZZZ	2		
21:50	FA5558-5	1		(sample used for QC only; not part of login FA5565)
22:07	FA5558-6	1		(sample used for QC only; not part of login FA5565)
22:24	ZZZZZZ	5		
22:41	GN56290-CCV5	1		
22:58	GN56290-CCB3	1		
23:15	ZZZZZZ	5		
23:32	ZZZZZZ	1		
23:49	ZZZZZZ	2		
00:06	ZZZZZZ	5		
01:13	ZZZZZZ	1		
01:30	ZZZZZZ	1		
01:47	ZZZZZZ	1		
02:04	GN56290-CCV6	1		
02:21	GN56290-CCB4	1		
02:40	ZZZZZZ	1		
02:57	ZZZZZZ	1		
03:14	ZZZZZZ	1		
03:31	ZZZZZZ	1		
03:48	GP21871-S1	1		
04:05	GP21871-S2	1		
04:22	GP21871-S3	1		
04:39	GP21871-S4	1		
04:55	ZZZZZZ	25		
05:12	ZZZZZZ	2		
05:29	GN56290-CCV7	1		
05:46	GN56290-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140601.TXT Date Analyzed: 06/14/13 Methods: EPA 300/SW846 9056A
Run ID: GN56290 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56290-CCV1	Chloride	51.1	2.0	0.80	50	102.2	90-110
GN56290-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56290-CCV1	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN56290-CCV2	Chloride	51.5	2.0	0.80	50	103.0	90-110
GN56290-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56290-CCV2	Sulfate	51.4	2.0	0.60	50	102.8	90-110
GN56290-CCB1	Chloride	0.80 U	2.0	0.80			
GN56290-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56290-CCB1	Sulfate	0.60 U	2.0	0.60			
GN56290-CCV3	Chloride	49.5	2.0	0.80	50	99.0	90-110
GN56290-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56290-CCV3	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN56290-CCB2	Chloride	0.80 U	2.0	0.80			
GN56290-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56290-CCB2	Sulfate	0.60 U	2.0	0.60			
GN56290-CCV4	Chloride	49.4	2.0	0.80	50	98.8	90-110
GN56290-CCV4	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN56290-CCV4	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN56290-CCV5	Chloride	49.5	2.0	0.80	50	99.0	90-110
GN56290-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56290-CCV5	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN56290-CCB3	Chloride	0.80 U	2.0	0.80			
GN56290-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56290-CCB3	Sulfate	0.60 U	2.0	0.60			
GN56290-CCV6	Chloride	49.6	2.0	0.80	50	99.2	90-110
GN56290-CCV6	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN56290-CCV6	Sulfate	51.7	2.0	0.60	50	103.4	90-110
GN56290-CCB4	Chloride	0.80 U	2.0	0.80			
GN56290-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56290-CCB4	Sulfate	0.60 U	2.0	0.60			
GN56290-CCV7	Chloride	49.6	2.0	0.80	50	99.2	90-110
GN56290-CCV7	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN56290-CCV7	Sulfate	52.0	2.0	0.60	50	104.0	90-110
GN56290-CCB5	Chloride	0.80 U	2.0	0.80			
GN56290-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56290-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Analyst: AC Run ID: GN56424
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:37	GN56424-CCV1	1		
10:53	GP21936-MB1	1		
11:10	GP21936-B1	1		
12:00	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:51	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:25	ZZZZZZ	2		
13:42	GN56424-CCV2	1		
13:59	GN56424-CCB1	1		
14:16	ZZZZZZ	1		
14:33	FA5627-5	1		(sample used for QC only; not part of login FA5565)
14:50	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:41	ZZZZZZ	1		
16:31	FA5627-27	1		(sample used for QC only; not part of login FA5565)
16:48	ZZZZZZ	1		
17:05	GN56424-CCV3	1		
17:22	GN56424-CCB2	1		
17:39	ZZZZZZ	100		
17:56	ZZZZZZ	5		
18:13	ZZZZZZ	5		
18:30	GP21936-S1	1		
18:47	GP21936-S2	1		
19:04	GP21936-S3	1		
19:21	GP21936-S4	1		
19:38	ZZZZZZ	1		
19:55	GN56424-CCV4	1		
20:12	GP21937-MB1	1		
20:29	GP21937-B1	1		
21:20	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Analyst: AC Run ID: GN56424
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:36	ZZZZZZ	1		
21:53	ZZZZZZ	1		
22:10	ZZZZZZ	1		
22:27	ZZZZZZ	1		
22:44	ZZZZZZ	1		
23:01	GN56424-CCV5	1		
23:18	GN56424-CCB3	1		
23:35	ZZZZZZ	5		
23:52	FA5798-13	1		(sample used for QC only; not part of login FA5565)
00:09	GP21937-S1	1		
00:25	GP21937-S2	1		
00:42	ZZZZZZ	25		
00:59	ZZZZZZ	25		
01:16	FA5565-2	50		
01:33	FA5565-3	50		
01:50	ZZZZZZ	10		
02:07	ZZZZZZ	2		
02:24	GN56424-CCV6	1		
02:41	GN56424-CCB4	1		
02:58	ZZZZZZ	5		
03:14	ZZZZZZ	2		
03:31	ZZZZZZ	200		
03:48	ZZZZZZ	5		
04:05	ZZZZZZ	5		
04:22	ZZZZZZ	5		
04:39	ZZZZZZ	5		
04:56	ZZZZZZ	5		
05:13	ZZZZZZ	2		
05:30	GN56424-CCV7	1		
05:47	GN56424-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Run ID: GN56424 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56424-CCV1	Sulfate	46.7	2.0	0.60	50	93.4	90-110
GN56424-CCV2	Sulfate	48.5	2.0	0.60	50	97.0	90-110
GN56424-CCB1	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV3	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN56424-CCB2	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV4	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN56424-CCV5	Sulfate	49.8	2.0	0.60	50	99.6	90-110
GN56424-CCB3	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV6	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN56424-CCB4	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV7	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN56424-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56444
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:53	GN56444-CCV1	1		
13:10	GP21948-MB1	1		
13:27	GP21948-B1	1		
15:19	ZZZZZZ	2000		
15:36	ZZZZZZ	25		
15:53	ZZZZZZ	25		
16:10	ZZZZZZ	10		
16:27	FA5659-1	2		(sample used for QC only; not part of login FA5565)
16:44	GN56444-CCV2	1		
17:00	GN56444-CCB1	1		
17:17	ZZZZZZ	2		
17:34	FA5565-1	25		
17:51	FA5565-2	25		
18:08	FA5565-3	25		
18:28	FA5565-4	1		
18:45	FA5565-5	5		
19:02	ZZZZZZ	2000		
19:19	ZZZZZZ	25		
19:35	ZZZZZZ	5		
19:52	ZZZZZZ	2		
20:09	GN56444-CCV3	1		
20:26	GN56444-CCB2	1		
20:43	FA5814-2	1		(sample used for QC only; not part of login FA5565)
21:00	ZZZZZZ	5		
21:17	ZZZZZZ	5		
21:34	ZZZZZZ	1		
21:51	ZZZZZZ	10		
22:08	GP21948-S1	2		
22:25	GP21948-S2	2		
22:42	GP21948-S3	1		
22:59	GP21948-S4	1		
23:16	GN56444-CCV4	1		
23:32	GN56444-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5565
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Run ID: GN56444 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56444-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN56444-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN56444-CCB1	Fluoride	0.060 U	0.20	0.060			
GN56444-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56444-CCB2	Fluoride	0.060 U	0.20	0.060			
GN56444-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56444-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

06/28/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA5606

Sampling Dates: 06/13/13 - 06/14/13

Report to:

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Total number of pages in report: **78**

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

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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: FA5606

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
FA5606-1	06/13/13	13:00	TP	06/15/13	AQ	Ground Water	A-34-022
FA5606-1F	06/13/13	13:00	TP	06/15/13	AQ	Groundwater Filtered	A-34-022
FA5606-2	06/14/13	09:55	TP	06/15/13	AQ	Ground Water	MW A
FA5606-2F	06/14/13	09:55	TP	06/15/13	AQ	Groundwater Filtered	MW A
FA5606-3	06/14/13	11:10	TP	06/15/13	AQ	Ground Water	MW B
FA5606-3F	06/14/13	11:10	TP	06/15/13	AQ	Groundwater Filtered	MW B

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA5606

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report:** 6/28/2013 10:23:33 AM

3 Samples were collected on/between 06/13/2013 and 06/14/2013 and were received at Accutest SE on 06/15/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA5606. 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:** MP25348

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) FA5606-1DUP, FA5606-1MS, FA5606-1MSD, FA5606-1PS, FA5606-1SDL were used as the QC samples for metals.

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

RPD(s) for Duplicate for Selenium are outside control limits for sample MP25348-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Selenium, Cadmium, Iron are outside control limits for sample MP25348-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP25348-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP25348-SD1 for Cadmium: Serial dilution indicates possible matrix interference.

MP25348-PS1 for Sodium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25348-PS1 for Selenium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25348-PS1 for Potassium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25348-PS1 for Magnesium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25348-PS1 for Iron: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25348-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25348-PS1 for Chromium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25348-PS1 for Cadmium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25348-PS1 for Antimony: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP25348-PS1 for Aluminum: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA5606-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA5606-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA5606-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA5606-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA5606-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA5606-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN56267

All method blanks for this batch meet method specific criteria.

Sample(s) FA5606-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA5606-1, FA5606-2, FA5606-3.

FA5606-1 for Specific Conductivity: Sample received outside the holding time.

FA5606-2 for Specific Conductivity: Sample received outside the holding time.

FA5606-3 for Specific Conductivity: Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21891

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) FA5546-1MSD, FA5546-1MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

Matrix Spike Recovery(s) for Chloride, Nitrogen, Nitrate, Sulfate are outside control limits. Spike recovery indicates possible matrix interference. For method performance in a clean matrix, refer to Blank Spike.
FA5606-1 for Chloride: Dilution required due to matrix interference.
FA5606-1 for Nitrogen, Nitrate: Sample analyzed beyond hold time. Dilution required due to matrix interference.

FA5606-2 for Nitrogen, Nitrate: Originally ran on GN56352. Re-run on dilution beyond hold-time.

Matrix: AQ **Batch ID:** GP21948

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) FA5659-1MSD, FA5659-1MS 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:** GP21863

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) FA5606-3FMS, FA5606-3FMSD were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21949

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5558-9MS, FA5558-9MSD were used as the QC samples for Phosphorus, Total.

Matrix: AQ **Batch ID:** GP21955

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5607-1MS, FA5607-1MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN56268

Sample(s) FA5571-1DUP was used as the QC sample for pH.

FA5606-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA5606-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA5606-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN56479

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5607-2DUP was used as the QC sample for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN56347

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5627-5DUP 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: June 28, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA5606
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 06/13/13 thru 06/14/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA5606-1	**A-34-022**					
Aluminum		1240	1.4	0.11	mg/l	SW846 6010C
Arsenic [a]		0.228	0.070	0.018	mg/l	SW846 6010C
Cadmium [a]		2.62	0.035	0.0035	mg/l	SW846 6010C
Calcium [a]		611	7.0	0.35	mg/l	SW846 6010C
Chromium [a]		2.44	0.070	0.014	mg/l	SW846 6010C
Iron		1380	2.1	0.20	mg/l	SW846 6010C
Magnesium		916	35	0.52	mg/l	SW846 6010C
Potassium		365	70	1.4	mg/l	SW846 6010C
Selenium [a]		0.0378 J	0.070	0.014	mg/l	SW846 6010C
Sodium		645	70	3.5	mg/l	SW846 6010C
Chloride [b]		183 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		5960	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		1900	500	140	mg/l	EPA 365.3
Solids, Total Dissolved		16900	1000	100	mg/l	SM19 2540C
Specific Conductivity [c]		13900	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		11600	400	120	mg/l	EPA 300/SW846 9056A
pH [d]		2.37			su	SM 4500H B/SW 9040C
FA5606-1F	**A-34-022**					
Phosphate, Ortho		1830	500	95	mg/l	EPA 365.3
FA5606-2	**MW A**					
Aluminum		4.11	0.20	0.015	mg/l	SW846 6010C
Arsenic		0.0051 J	0.010	0.0025	mg/l	SW846 6010C
Cadmium		0.0222	0.0050	0.00050	mg/l	SW846 6010C
Calcium		318	1.0	0.050	mg/l	SW846 6010C
Iron		0.424	0.30	0.029	mg/l	SW846 6010C
Magnesium		220	5.0	0.074	mg/l	SW846 6010C
Potassium		22.1	10	0.20	mg/l	SW846 6010C
Selenium		0.0068 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		135	100	5.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		61.9	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		61.9	5.0	0.60	mg/l	SM19 2320B
Chloride		431	50	20	mg/l	EPA 300/SW846 9056A
Fluoride		17.7	5.0	1.5	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [e]		222	10	5.0	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		21.0	5.0	1.4	mg/l	EPA 365.3
Solids, Total Dissolved		4150	500	50	mg/l	SM19 2540C
Specific Conductivity [c]		4180	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1020	50	15	mg/l	EPA 300/SW846 9056A
pH [d]		5.53			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA5606
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 06/13/13 thru 06/14/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA5606-2F	**MW A**					
Phosphate, Ortho		13.8	5.0	0.95	mg/l	EPA 365.3
FA5606-3	**MW B**					
Aluminum		0.451	0.20	0.015	mg/l	SW846 6010C
Cadmium		0.0020 J	0.0050	0.00050	mg/l	SW846 6010C
Calcium		132	1.0	0.050	mg/l	SW846 6010C
Iron		0.0304 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		48.5	5.0	0.074	mg/l	SW846 6010C
Potassium		4.34 J	10	0.20	mg/l	SW846 6010C
Selenium		0.0232	0.010	0.0020	mg/l	SW846 6010C
Sodium		30.1	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		241	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		241	5.0	0.60	mg/l	SM19 2320B
Chloride		28.9	4.0	1.6	mg/l	EPA 300/SW846 9056A
Fluoride		20.5	1.0	0.30	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		3.8	0.20	0.10	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		1.1	0.50	0.14	mg/l	EPA 365.3
Solids, Total Dissolved		664	100	10	mg/l	SM19 2540C
Specific Conductivity [f]		1010	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		272	10	3.0	mg/l	EPA 300/SW846 9056A
pH [d]		6.80			su	SM 4500H B/SW 9040C
FA5606-3F	**MW B**					
Phosphate, Ortho		2.4	1.0	0.20	mg/l	EPA 365.3

(a) Elevated reporting limit(s) due to matrix interference.
(b) Dilution required due to matrix interference.
(c) Sample received outside the holding time.
(d) Field analysis required. Received out of hold time and analyzed by request.
(e) Originally ran on GN56352. Re-run on dilution beyond holdtime.
(f) Sample analyzed beyond hold time.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA5606-1	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1240	1.4	0.11	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	0.091 U	0.17	0.091	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	0.228	0.070	0.018	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	2.62	0.035	0.0035	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	611	7.0	0.35	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2.44	0.070	0.014	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	1380	2.1	0.20	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	916	35	0.52	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	365	70	1.4	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	0.0378 J	0.070	0.014	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	645	70	3.5	mg/l	7	06/20/13	06/21/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10842
(2) Prep QC Batch: MP25348

(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:	FA5606-1	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	06/26/13 15:20	LE	SM19 2320B
Chloride [a]	183 J	200	80	mg/l	100	06/15/13 17:24	AA	EPA 300/SW846 9056A
Fluoride	5960	400	120	mg/l	2000	06/24/13 19:02	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	5.0 U	10	5.0	mg/l	100	06/15/13 17:24	AA	EPA 300/SW846 9056A
Phosphorus, Total	1900	500	140	mg/l	5000	06/25/13 13:40	LE	EPA 365.3
Solids, Total Dissolved	16900	1000	100	mg/l	10	06/19/13 15:30	KC	SM19 2540C
Specific Conductivity [c]	13900	1.0	1.0	umhos/cm	1	06/15/13 12:00	HH	EPA 120.1
Sulfate	11600	400	120	mg/l	200	06/22/13 03:31	AC	EPA 300/SW846 9056A
pH [d]	2.37			su	1	06/15/13 12:10	HH	SM 4500H B/SW 9040C

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA5606-1F	**Date Sampled:**	06/13/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	1830	500	95	mg/l	5000	06/15/13 12:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	MW A		
Lab Sample ID:	FA5606-2	**Date Sampled:**	06/14/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4.11	0.20	0.015	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0051 J	0.010	0.0025	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.0222	0.0050	0.00050	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	318	1.0	0.050	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.424	0.30	0.029	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	220	5.0	0.074	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	22.1	10	0.20	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0068 J	0.010	0.0020	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	135	100	5.0	mg/l	10	06/20/13	06/21/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10838
(2) Instrument QC Batch: MA10842
(3) Prep QC Batch: MP25348

RL = 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		
Lab Sample ID:	FA5606-2	**Date Sampled:**	06/14/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	61.9	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	61.9	5.0	0.60	mg/l	1	06/26/13 15:20	LE	SM19 2320B
Chloride	431	50	20	mg/l	25	06/15/13 17:41	AA	EPA 300/SW846 9056A
Fluoride	17.7	5.0	1.5	mg/l	25	06/24/13 19:19	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	222	10	5.0	mg/l	100	06/19/13 15:38	AA	EPA 300/SW846 9056A
Phosphorus, Total	21.0	5.0	1.4	mg/l	50	06/26/13 10:50	LE	EPA 365.3
Solids, Total Dissolved	4150	500	50	mg/l	5	06/19/13 15:30	KC	SM19 2540C
Specific Conductivity [b]	4180	1.0	1.0	umhos/cm	1	06/15/13 12:00	HH	EPA 120.1
Sulfate	1020	50	15	mg/l	25	06/15/13 17:41	AA	EPA 300/SW846 9056A
pH [c]	5.53			su	1	06/15/13 12:10	HH	SM 4500H B/SW 9040C

(a) Originally ran on GN56352. Re-run on dilution beyond holdtime.
(b) Sample received outside the holding time.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	MW A		
Lab Sample ID:	FA5606-2F	**Date Sampled:**	06/14/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	13.8	5.0	0.95	mg/l	50	06/15/13 12:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	MW B		
Lab Sample ID:	FA5606-3	**Date Sampled:**	06/14/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.451	0.20	0.015	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.0020 J	0.0050	0.00050	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	132	1.0	0.050	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.0304 J	0.30	0.029	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	48.5	5.0	0.074	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	4.34 J	10	0.20	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0232	0.010	0.0020	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	30.1	10	0.50	mg/l	1	06/20/13	06/20/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10838
(2) Prep QC Batch: MP25348

RL = 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 B		
Lab Sample ID:	FA5606-3	**Date Sampled:**	06/14/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	241	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/26/13 15:20	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	241	5.0	0.60	mg/l	1	06/26/13 15:20	LE	SM19 2320B
Chloride	28.9	4.0	1.6	mg/l	2	06/15/13 17:58	AA	EPA 300/SW846 9056A
Fluoride	20.5	1.0	0.30	mg/l	5	06/24/13 19:35	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	3.8	0.20	0.10	mg/l	2	06/15/13 17:58	AA	EPA 300/SW846 9056A
Phosphorus, Total	1.1	0.50	0.14	mg/l	5	06/26/13 10:50	LE	EPA 365.3
Solids, Total Dissolved	664	100	10	mg/l	1	06/19/13 15:30	KC	SM19 2540C
Specific Conductivity [a]	1010	1.0	1.0	umhos/cm	1	06/15/13 12:00	HH	EPA 120.1
Sulfate	272	10	3.0	mg/l	5	06/22/13 03:48	AC	EPA 300/SW846 9056A
pH [b]	6.80			su	1	06/15/13 12:10	HH	SM 4500H B/SW 9040C

(a) Sample analyzed beyond hold time.
(b) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	MW B		
Lab Sample ID:	FA5606-3F	**Date Sampled:**	06/14/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	2.4	1.0	0.20	mg/l	10	06/15/13 12:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA 5606 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

LAB USE ONLY

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	MEOH	SEE ATTACHED
1	A-34-022	061313	1300	TRH	GW	4		X			X	X			X
2	MWA	061413	0955			4		X			X	X			
3	MWB	061413	1110			4		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]	061413 1245	2 Fx	3 Fx	6-15-13	4 [signature] (A/1/2) 10:00
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8 2.8

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

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FA5606: Chain of Custody
Page 1 of 3

FA5606

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.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA5606 CLIENT: WSP PROJECT: AGAIUM

DATE/TIME RECEIVED: 6-15-13 10:00 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8017 3246 7246

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 6-15-13 REVIEWER SIGNATURE/DATE 06/15/13

NF 12/10 receipt confirmation 122910.xls

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FA5606: 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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10838
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:59	MA10838-STD1	1		STDA
08:03	MA10838-STD2	1		STDB
08:06	MA10838-STD3	1		STDC
08:10	MA10838-STD4	1		STDD
08:14	MA10838-HSTD1	1		
08:20	MA10838-ICV1	1		
08:28	MA10838-ICB1	1		
08:32	MA10838-CRIA1	1		
08:41	MA10838-ICSA1	1		
08:54	MA10838-ICSAB1	1		
09:08	MA10838-CCV1	1		
09:13	MA10838-CCB1	1		
09:18	MP25347-MB1	1		
09:22	MP25347-B1	1		
09:26	FA5559-1	1		(sample used for QC only; not part of login FA5606)
09:30	MP25347-D1	1		
09:34	MP25347-SD1	5		
09:38	MP25347-PS1	1		
09:42	MP25347-S1	1		
09:46	MP25347-S2	1		
09:50	ZZZZZZ	1		
09:55	ZZZZZZ	1		
09:59	MA10838-CCV2	1		
10:03	MA10838-CCB2	1		
10:07	ZZZZZZ	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		
10:37	ZZZZZZ	1		
10:41	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10838
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:46	ZZZZZZ	1		
10:50	MA10838-CCV3	1		
10:54	MA10838-CCB3	1		
10:58	ZZZZZZ	1		
11:02	ZZZZZZ	1		
11:06	ZZZZZZ	1		
11:11	ZZZZZZ	1		
11:15	ZZZZZZ	1		
11:19	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:27	MP25347-MB2A	1		
11:32	MP25348-MB1	1		
11:36	MP25348-B1	1		
11:40	MA10838-CCV4	1		
11:44	MA10838-CCB4	1		
12:18	FA5606-2	1		
12:22	FA5606-3	1		
12:27	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:35	MA10838-CCV5	1		
12:39	MA10838-CCB5	1		
12:43	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:56	ZZZZZZ	1		
13:05	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	MA10838-CCV6	1		
13:31	MA10838-CCB6	1		
13:35	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10838
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:39	ZZZZZZ	1		
	13:43	ZZZZZZ	1		
	13:48	MP25348-MB2A	1		
	13:52	MP25348-MB3A	1		
---------->	Last reportable sample/prep for job FA5606				
	13:56	MP25352-MB1	1		
	14:01	MP25352-B1	1		
	14:05	FA5664-1	1		(sample used for QC only; not part of login FA5606)
	14:09	MP25352-D1	1		
	14:18	MA10838-CCV7	1		
	14:22	MA10838-CCB7	1		
	14:26	MP25352-PS1	1		
	14:30	MP25352-S1	1		
	14:34	MP25352-S2	1		
	14:38	ZZZZZZ	1		
	14:46	ZZZZZZ	1		
	14:51	ZZZZZZ	1		
	14:55	ZZZZZZ	1		
	14:59	ZZZZZZ	1		
	15:04	ZZZZZZ	1		
	15:08	MA10838-CCV8	1		
	15:12	MA10838-CCB8	1		
	15:16	ZZZZZZ	1		
	15:21	ZZZZZZ	1		
	15:25	ZZZZZZ	1		
	15:29	ZZZZZZ	1		
	15:33	ZZZZZZ	1		
	15:38	ZZZZZZ	1		
	15:42	ZZZZZZ	1		
	15:47	ZZZZZZ	1		
	15:51	ZZZZZZ	1		
	15:55	ZZZZZZ	1		
	16:00	MA10838-CCV9	1		
	16:04	MA10838-CCB9	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10838
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:08	ZZZZZZ	1		
	16:12	MP25352-MB2A	1		
	16:17	MA10838-CRIA2	1		
	16:21	MA10838-ICSA2	1		
	16:25	MA10838-ICSAB2	1		
	16:30	MA10838-CCV10	1		
	16:34	MA10838-CCB10	1		
---------->	Last reportable CCB for job FA5606				
	Refer to raw data for calibration curve and standards.				

INTERNAL STANDARD SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10838
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:59	MA10838-STD1	4909	35790	9843	2277
08:03	MA10838-STD2	4875	34855	9872	2130
08:06	MA10838-STD3	4717	33660	9786	1916
08:10	MA10838-STD4	4552	32857	9622	1750
08:14	MA10838-HSTD1	4561	32760	9617	1752
08:20	MA10838-ICV1	4700	33670	9742	1901
08:28	MA10838-ICB1	4941 R	35565 R	9747 R	2286 R
08:32	MA10838-CRIA1	4857	35040	9776	2181
08:41	MA10838-ICSA1	4347	30543	9586	1685
08:54	MA10838-ICSAB1	4335	30178	9506	1651
09:08	MA10838-CCV1	4746	33582	9679	1903
09:13	MA10838-CCB1	4936	35397	9802	2269
09:18	MP25347-MB1	5011	36439	10098	2306
09:22	MP25347-B1	4867	34797	9963	2050
09:26	FA5559-1	5218	37393	10557	2197
09:30	MP25347-D1	5206	37279	10569	2191
09:34	MP25347-SD1	5012	35846	10023	2241
09:38	MP25347-PS1	5154	36632	10499	2131
09:42	MP25347-S1	5070	36006	10396	2013
09:46	MP25347-S2	5100	36232	10493	2013
09:50	ZZZZZZ	4761	34571	9988	2103
09:55	ZZZZZZ	4690	33248	9889	1929
09:59	MA10838-CCV2	4763	33658	9764	1903
10:03	MA10838-CCB2	4957	35350	9777	2263
10:07	ZZZZZZ	4872	34883	9983	2124
10:12	ZZZZZZ	4781	34112	9937	2052
10:16	ZZZZZZ	5042	36043	10230	2229
10:20	ZZZZZZ	4741	34023	9869	2031
10:25	ZZZZZZ	5018	36112	10032	2295
10:29	ZZZZZZ	5015	35666	10033	2244
10:33	ZZZZZZ	4986	35655	10022	2228
10:37	ZZZZZZ	5054	35740	10067	2243
10:41	ZZZZZZ	5035	35394	10171	2186

INTERNAL STANDARD SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10838
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:46	ZZZZZZ	5132	36092	10264	2235
10:50	MA10838-CCV3	4766	33291	9765	1897
10:54	MA10838-CCB3	4953	35215	9795	2254
10:58	ZZZZZZ	5029	35705	10120	2251
11:02	ZZZZZZ	5115	35994	10269	2192
11:06	ZZZZZZ	5033	35623	10100	2247
11:11	ZZZZZZ	5124	36073	10331	2191
11:15	ZZZZZZ	4975	35284	10040	2218
11:19	ZZZZZZ	5055	35700	10207	2243
11:23	ZZZZZZ	4964	35177	10071	2200
11:27	MP25347-MB2A	5014	35903	10097	2299
11:32	MP25348-MB1	4984	35678	10098	2287
11:36	MP25348-B1	4831	34249	9987	2034
11:40	MA10838-CCV4	4738	33413	9761	1901
11:44	MA10838-CCB4	4962	35293	9923	2268
12:18	FA5606-2	4370	31468	9469	1764
12:22	FA5606-3	4637	33297	9662	1980
12:27	ZZZZZZ	4758	34050	9742	2109
12:31	ZZZZZZ	4881	34643	9858	2184
12:35	MA10838-CCV5	4749	33345	9597	1893
12:39	MA10838-CCB5	4994	35377	9787	2273
12:43	ZZZZZZ	4845	34570	9884	2154
12:48	ZZZZZZ	4895	34951	9947	2200
12:52	ZZZZZZ	4976	35474	9857	2278
12:56	ZZZZZZ	4956	35496	9872	2269
13:05	ZZZZZZ	4713	33557	9710	2018
13:09	ZZZZZZ	4627	33081	9793	1958
13:14	ZZZZZZ	4903	34869	9946	2141
13:18	ZZZZZZ	4805	34343	9907	2070
13:22	ZZZZZZ	4902	34928	10026	2090
13:27	MA10838-CCV6	4741	33284	9673	1889
13:31	MA10838-CCB6	4912	34915	9731	2233
13:35	ZZZZZZ	4903	35023	9923	2130

INTERNAL STANDARD SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10838
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:39	ZZZZZZ	4945	35237	9952	2216
13:43	ZZZZZZ	5020	35954	9991	2286
13:48	MP25348-MB2A	4979	35714	9865	2264
13:52	MP25348-MB3A	4951	35368	9784	2246
13:56	MP25352-MB1	4981	35757	9906	2266
14:01	MP25352-B1	4822	34060	9817	2014
14:05	FA5664-1	4820	34500	9794	2096
14:09	MP25352-D1	4820	34506	9894	2090
14:18	MA10838-CCV7	4730	33482	9620	1873
14:22	MA10838-CCB7	4941	35520	9687	2235
14:26	MP25352-PS1	4830	34333	9779	2053
14:30	MP25352-S1	4757	33793	9702	1940
14:34	MP25352-S2	4773	33942	9784	1949
14:38	ZZZZZZ	4917	35288	9869	2174
14:46	ZZZZZZ	4912	34993	9846	2183
14:51	ZZZZZZ	4646	33967	9745	1974
14:55	ZZZZZZ	4887	35072	9839	2124
14:59	ZZZZZZ	4749	34434	9812	2052
15:04	ZZZZZZ	4840	35050	9911	2102
15:08	MA10838-CCV8	4740	33576	9614	1890
15:12	MA10838-CCB8	4972	35826	9765	2262
15:16	ZZZZZZ	4933	35619	9950	2156
15:21	ZZZZZZ	4946	35770	9883	2248
15:25	ZZZZZZ	4934	35770	9890	2244
15:29	ZZZZZZ	4972	36031	9833	2277
15:33	ZZZZZZ	4569	32981	9634	1928
15:38	ZZZZZZ	4793	34552	9818	2066
15:42	ZZZZZZ	4426	32265	9589	1829
15:47	ZZZZZZ	4525	32745	9606	1906
15:51	ZZZZZZ	4749	34105	9762	2054
15:55	ZZZZZZ	4416	32097	9554	1823
16:00	MA10838-CCV9	4714	33437	9554	1888
16:04	MA10838-CCB9	4911	35456	9667	2245

INTERNAL STANDARD SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10838
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:08	ZZZZZZ	4979	36214	9883	2288
16:12	MP25352-MB2A	5023	36478	9941	2301
16:17	MA10838-CRIA2	4857	34619	9610	2155
16:21	MA10838-ICSA2	4321	30171	9300	1655
16:25	MA10838-ICSAB2	4283	29742	9204	1621
16:30	MA10838-CCV10	4705	33477	9477	1887
16:34	MA10838-CCB10	4948	35586	9653	2268

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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10838 Units: ug/l

Time:			08:28		09:13		10:03		10:54	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.4	<200	3.2	<200	-0.70	<200	-3.2	<200
Antimony	6.0	1.3	0.50	<6.0	-0.70	<6.0	0.10	<6.0	0.30	<6.0
Arsenic	10	1.6	-0.90	<10	-0.60	<10	-0.20	<10	0.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.10	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	0.40	<1000	3.9	<1000	7.2	<1000	5.8	<1000
Chromium	10	1.8	0.0	<10	0.40	<10	0.40	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-0.50	<300	3.1	<300	5.8	<300	5.7	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	16.4	<5000	-8.6	<5000	0.80	<5000	-8.2	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-2.2	<10000	-48	<10000	-2.6	<10000	-48	<10000
Selenium	10	2	2.2	<10	1.7	<10	0.90	<10	1.6	<10
Silver	10	.5	anr							
Sodium	10000	500	4.2	<10000	7.0	<10000	45.3	<10000	20.9	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10838 Units: ug/l

Time:			11:44		12:39		13:31		14:22	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	3.5	<200	16.8	<200	-1.1	<200	3.0	<200
Antimony	6.0	1.3	-0.60	<6.0	-0.80	<6.0	-1.0	<6.0	-1.4	<6.0
Arsenic	10	1.6	-1.0	<10	-0.50	<10	-0.40	<10	-1.2	<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	11.0	<1000	34.0	<1000	9.8	<1000	7.3	<1000
Chromium	10	1.8	0.20	<10	-0.20	<10	-0.10	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	7.6	<300	26.9	<300	5.7	<300	6.4	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	3.7	<5000	26.3	<5000	-5.4	<5000	-1.8	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-31	<10000	42.3	<10000	-23	<10000	-18	<10000
Selenium	10	2	2.1	<10	0.50	<10	0.40	<10	2.2	<10
Silver	10	.5	anr							
Sodium	10000	500	23.9	<10000	124	<10000	36.4	<10000	28.2	<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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10838 Units: ug/l

Time:			15:12		16:04		16:34	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	7.6	<200	4.4	<200	14.1	<200
Antimony	6.0	1.3	-1.0	<6.0	-0.80	<6.0	-0.50	<6.0
Arsenic	10	1.6	0.0	<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
Calcium	1000	50	9.3	<1000	10.7	<1000	21.1	<1000
Chromium	10	1.8	0.20	<10	0.40	<10	0.10	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	7.9	<300	7.1	<300	12.7	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	9.5	<5000	5.8	<5000	17.8	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5	anr					
Potassium	10000	200	-31	<10000	-12	<10000	-32	<10000
Selenium	10	2	1.6	<10	1.5	<10	2.2	<10
Silver	10	.5	anr					
Sodium	10000	500	32.9	<10000	46.0	<10000	40.0	<10000
Strontium	10	.5						
Thallium	10	1.3	anr					
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5	anr					
Zinc	20	3	anr					

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10838 Units: ug/l

Time:		08:20			09:08			09:59	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40200	100.5	40000	40100	100.3
Antimony	2000	2060	103.0	2000	1980	99.0	2000	1970	98.5
Arsenic	2000	2060	103.0	2000	1990	99.5	2000	1980	99.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2050	102.5	2000	2050	102.5
Calcium	40000	41300	103.3	40000	40800	102.0	40000	40500	101.3
Chromium	2000	2090	104.5	2000	2070	103.5	2000	2070	103.5
Cobalt	anr								
Copper	anr								
Iron	40000	42200	105.5	40000	41700	104.3	40000	41700	104.3
Lead	anr								
Magnesium	40000	41000	102.5	40000	40100	100.3	40000	39700	99.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40700	101.8	40000	39400	98.5	40000	39200	98.0
Selenium	2000	2060	103.0	2000	1990	99.5	2000	1980	99.0
Silver	anr								
Sodium	40000	41100	102.8	40000	40500	101.3	40000	40500	101.3
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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10838 Units: ug/l

Time:		10:50			11:40			12:35	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40500	101.3	40000	40200	100.5
Antimony	2000	1960	98.0	2000	2000	100.0	2000	1990	99.5
Arsenic	2000	1980	99.0	2000	2010	100.5	2000	2000	100.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	2070	103.5	2000	2060	103.0
Calcium	40000	40800	102.0	40000	41000	102.5	40000	40600	101.5
Chromium	2000	2100	105.0	2000	2100	105.0	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	42100	105.3	40000	41800	104.5	40000	41900	104.8
Lead	anr								
Magnesium	40000	39700	99.3	40000	40300	100.8	40000	39700	99.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	38900	97.3	40000	39100	97.8	40000	39500	98.8
Selenium	2000	1980	99.0	2000	2010	100.5	2000	2000	100.0
Silver	anr								
Sodium	40000	40700	101.8	40000	40700	101.8	40000	40800	102.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10838 Units: ug/l

Time:		13:27			14:18			15:08	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40100	100.3	40000	39900	99.8
Antimony	2000	1980	99.0	2000	1960	98.0	2000	2000	100.0
Arsenic	2000	1990	99.5	2000	1980	99.0	2000	2000	100.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Calcium	40000	40600	101.5	40000	40400	101.0	40000	40600	101.5
Chromium	2000	2100	105.0	2000	2060	103.0	2000	2060	103.0
Cobalt	anr								
Copper	anr								
Iron	40000	41900	104.8	40000	42300	105.8	40000	41700	104.3
Lead	anr								
Magnesium	40000	39400	98.5	40000	39000	97.5	40000	39600	99.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	38900	97.3	40000	39500	98.8	40000	39700	99.3
Selenium	2000	2000	100.0	2000	1980	99.0	2000	2010	100.5
Silver	anr								
Sodium	40000	40800	102.0	40000	40800	102.0	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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10838 Units: ug/l

Time:		16:00			16:30	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40200	100.5
Antimony	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	2020	101.0	2000	2040	102.0
Barium	anr					
Beryllium	anr					
Cadmium	2000	2060	103.0	2000	2070	103.5
Calcium	40000	40600	101.5	40000	40700	101.8
Chromium	2000	2060	103.0	2000	2060	103.0
Cobalt	anr					
Copper	anr					
Iron	40000	41500	103.8	40000	41500	103.8
Lead	anr					
Magnesium	40000	39800	99.5	40000	40200	100.5
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	40100	100.3	40000	40500	101.3
Selenium	2000	2030	101.5	2000	2040	102.0
Silver	anr					
Sodium	40000	40600	101.5	40000	40800	102.0
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10838 Units: ug/l

Time:		08:14	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79600	99.5
Antimony	4000	3980	99.5
Arsenic	4000	3980	99.5
Barium	anr		
Beryllium	anr		
Cadmium	4000	3940	98.5
Calcium	80000	79000	98.8
Chromium	4000	3960	99.0
Cobalt	anr		
Copper	anr		
Iron	80000	79800	99.8
Lead	anr		
Magnesium	80000	79400	99.3
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	79900	99.9
Selenium	4000	3960	99.0
Silver	anr		
Sodium	80000	79800	99.8
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10838 Units: ug/l

Time:			08:32		16:17	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	204	102.0	202	101.0
Antimony	10	5.0	4.6	92.0	4.6	92.0
Arsenic	20	10	9.5	95.0	8.9	89.0
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	1040	104.0
Chromium	20	10	10.4	104.0	10.4	104.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	321	107.0	317	105.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5030	100.6	4970	99.4
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9820	98.2	9810	98.1
Selenium	20	10	11.5	115.0	10.7	107.0
Silver	20	10	anr			
Sodium	20000	10000	9960	99.6	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

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

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB062013M1.ICP Date Analyzed: 06/20/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10838 Units: ug/l

Time:			08:41		08:54		16:21		16:25	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	493000	98.6	496000	99.2	495000	99.0	499000	99.8
Antimony		1000	1.7		1000	100.0	0.60		1030	103.0
Arsenic		1000	-0.70		1010	101.0	-1.6		1030	103.0
Barium		500	-0.10		507	101.4	-0.10		521	104.2
Beryllium		500	0.0		499	99.8	0.0		497	99.4
Cadmium		1000	0.0		931	93.1	0.10		945	94.5
Calcium	500000	500000	465000	93.0	471000	94.2	472000	94.4	473000	94.6
Chromium		500	-0.90		489	97.8	-1.7		492	98.4
Cobalt		500	0.30		461	92.2	0.30		469	93.8
Copper		500	0.0		534	106.8	0.10		537	107.4
Iron	200000	200000	179000	89.5	193000	96.5	183000	91.5	193000	96.5
Lead		1000	-0.60		962	96.2	1.6		985	98.5
Magnesium	500000	500000	483000	96.6	485000	97.0	483000	96.6	487000	97.4
Manganese		500	0.50		491	98.2	0.60		499	99.8
Molybdenum		1000	-0.70		911	91.1	-0.60		929	92.9
Nickel		1000	0.70		900	90.0	0.70		915	91.5
Potassium			-38		-36		-7.1		14.1	
Selenium		1000	0.0		970	97.0	-0.20		999	99.9
Silver		1000	0.0		980	98.0	0.40		993	99.3
Sodium			86.9		129		145		193	
Strontium		1000	11.5		1000	100.0	11.9		1010	101.0
Thallium		1000	0.0		956	95.6	0.10		980	98.0
Tin		1000	-0.70		894	89.4	-1.2		912	91.2
Titanium		1000	-3.9		989	98.9	-4.0		1010	101.0
Vanadium		500	-0.20		483	96.6	-0.10		484	96.8
Zinc		1000	2.8		941	94.1	2.5		958	95.8

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10842
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:00	MA10842-STD1	1		STDA
09:04	MA10842-STD2	1		STDB
09:08	MA10842-STD3	1		STDC
09:11	MA10842-STD4	1		STDD
09:15	MA10842-HSTD1	1		
09:23	MA10842-ICV1	1		
09:30	MA10842-ICB1	1		
09:41	MA10842-CRIA1	1		
09:52	MA10842-ICSA1	1		
10:01	MA10842-ICSAB1	1		
10:11	MA10842-CCV1	1		
10:20	MA10842-CCB1	1		
10:24	FA5606-1	7		
10:29	MP25348-D1	7		
10:33	MP25348-S1	7		
10:37	MP25348-S2	7		
10:42	MP25348-PS1	7		
10:46	MP25348-SD1	35		
10:50	FA5606-2	10		
---------->	Last reportable sample/prep for job FA5606			
10:55	ZZZZZZ	500		
10:59	MP25352-SD1	5		
11:04	ZZZZZZ	1		
11:08	MA10842-CCV2	1		
11:12	MA10842-CCB2	1		
11:27	MP25356-MB1	1		
11:32	MP25356-B1	1		
11:36	FA5595-5	1		(sample used for QC only; not part of login FA5606)
11:41	MP25356-D1	1		
11:45	MP25356-SD1	5		
11:49	MP25356-PS1	1		
11:54	MP25356-S1	1		
11:58	MP25356-S2	1		
12:07	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10842
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:11	MA10842-CCV3	1		
12:15	MA10842-CCB3	1		
12:45	MA10842-CCV4	1		
12:53	MA10842-CCB4	1		
12:57	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:43	MA10842-CCV5	1		
13:47	MA10842-CCB5	1		
13:52	ZZZZZZ	1		
13:56	ZZZZZZ	1		
14:01	ZZZZZZ	1		
14:05	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:35	MP25358-MB1	1		
14:40	MP25358-B1	1		
14:44	FA5715-3L	1		(sample used for QC only; not part of login FA5606)
14:49	MA10842-CCV6	1		
14:53	MA10842-CCB6	1		
14:58	MP25358-D1	1		
15:02	MP25358-SD1	5		
15:07	MP25358-PS1	1		
15:11	MP25358-S1	1		
15:16	MP25358-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10842
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:20	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:29	ZZZZZZ	1		
15:34	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:44	MA10842-CCV7	1		
15:48	MA10842-CCB7	1		
15:52	ZZZZZZ	1		
15:57	FA5595-23L	1		(sample used for QC only; not part of login FA5606)
16:02	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:16	MP25358-D2	1		
16:21	MP25358-MB2	1		
16:25	MP25358-B2	1		
16:30	MP25358-MB3	1		
16:34	MP25358-B3	1		
16:39	MA10842-CCV8	1		
16:43	MA10842-CCB8	1		
16:47	MP25358-MB4	1		
16:52	MP25358-B4	1		
16:56	MA10842-CRIA2	1		
17:01	MA10842-ICSA2	1		
17:06	MA10842-ICSAB2	1		
17:10	MA10842-CCV9	1		
17:14	MA10842-CCB9	1		

----------> Last reportable CCB for job FA5606
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10842
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:00	MA10842-STD1	2074	22621	5594	1235
09:04	MA10842-STD2	2017	22167	5572	1124
09:08	MA10842-STD3	1942	21176	5446	1012
09:11	MA10842-STD4	1875	20641	5338	935
09:15	MA10842-HSTD1	1877	20612	5339	936
09:23	MA10842-ICV1	1947	21145	5444	1011
09:30	MA10842-ICB1	2081 R	22726 R	5584 R	1227 R
09:41	MA10842-CRIA1	2056	22295	5576	1168
09:52	MA10842-ICSA1	1760	18885	5060	856
10:01	MA10842-ICSAB1	1754	18816	5042	849
10:11	MA10842-CCV1	1969	21274	5416	1017
10:20	MA10842-CCB1	2098	22748	5588	1229
10:24	FA5606-1	2080	22296	5756	953
10:29	MP25348-D1	2075	22256	5770	958
10:33	MP25348-S1	2067	22154	5797	954
10:37	MP25348-S2	2060	22064	5769	951
10:42	MP25348-PS1	2079	22180	5780	957
10:46	MP25348-SD1	2075	22105	5632	1099
10:50	FA5606-2	2011	21668	5491	1117
10:55	ZZZZZZ	2107	22690	5570	1234
10:59	MP25352-SD1	2068	22401	5583	1193
11:04	ZZZZZZ	1974	21583	5532	1099
11:08	MA10842-CCV2	1965	21227	5424	1019
11:12	MA10842-CCB2	2103	22856	5580	1228
11:27	MP25356-MB1	2061	22546	5453	1200
11:32	MP25356-B1	1943	21045	5277	1042
11:36	FA5595-5	2113	22641	5650	1099
11:41	MP25356-D1	2139	22948	5749	1093
11:45	MP25356-SD1	2134	23091	5628	1195
11:49	MP25356-PS1	2087	22393	5583	1068
11:54	MP25356-S1	2042	21802	5534	1009
11:58	MP25356-S2	2065	21981	5619	1017
12:07	ZZZZZZ	2519	26805	6785	991

INTERNAL STANDARD SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10842
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:11	MA10842-CCV3	2015	21577	5474	1037
12:15	MA10842-CCB3	2117	22975	5560	1238
12:45	MA10842-CCV4	1967	21259	5380	1011
12:53	MA10842-CCB4	2091	22789	5503	1225
12:57	ZZZZZZ	2033	22265	5426	1139
13:02	ZZZZZZ	2058	22294	5436	1136
13:06	ZZZZZZ	2067	22455	5475	1145
13:11	ZZZZZZ	2059	22251	5433	1141
13:15	ZZZZZZ	2061	22324	5491	1134
13:19	ZZZZZZ	2094	22601	5534	1153
13:24	ZZZZZZ	1762	18952	5238	684 !
13:29	ZZZZZZ	1618	17544	4856	679 !
13:33	ZZZZZZ	1627	17675	4868	688 !
13:38	ZZZZZZ	2212	23560	6116	853
13:43	MA10842-CCV5	1987	21527	5449	1022
13:47	MA10842-CCB5	2093	22782	5532	1227
13:52	ZZZZZZ	2059	22070	5548	1052
13:56	ZZZZZZ	2097	22828	5879	892
14:01	ZZZZZZ	3023 !	32693 !	8355 !	945
14:05	ZZZZZZ	2788 !	30099 !	7591 !	973
14:22	ZZZZZZ	2703 !	29694 !	7471 !	982
14:26	ZZZZZZ	2049	22235	5452	1099
14:31	ZZZZZZ	2100	22730	5703	1037
14:35	MP25358-MB1	2054	22895	5516	1209
14:40	MP25358-B1	1954	21463	5360	1049
14:44	FA5715-3L	1904	20701	5299	1027
14:49	MA10842-CCV6	1937	21227	5306	1001
14:53	MA10842-CCB6	2058	22680	5450	1208
14:58	MP25358-D1	1903	20788	5286	1026
15:02	MP25358-SD1	1987	21831	5375	1121
15:07	MP25358-PS1	1893	20721	5317	1006
15:11	MP25358-S1	1886	20615	5239	972
15:16	MP25358-S2	1885	20613	5291	972

INTERNAL STANDARD SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10842
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	ZZZZZZ	1895	20646	5302	1024
15:25	ZZZZZZ	1888	20601	5293	1019
15:29	ZZZZZZ	1893	20609	5296	1021
15:34	ZZZZZZ	1893	20605	5330	1031
15:39	ZZZZZZ	1865	20349	5303	997
15:44	MA10842-CCV7	1943	21121	5344	1005
15:48	MA10842-CCB7	2081	22728	5521	1221
15:52	ZZZZZZ	1923	20746	5350	1042
15:57	FA5595-23L	1880	20307	5308	1003
16:02	ZZZZZZ	1917	20568	5354	1038
16:06	ZZZZZZ	1867	19720	5279	948
16:11	ZZZZZZ	1854	19608	5230	949
16:16	MP25358-D2	1904	20453	5341	1013
16:21	MP25358-MB2	1923	20653	5401	1045
16:25	MP25358-B2	1923	20488	5416	998
16:30	MP25358-MB3	2064	22559	5560	1224
16:34	MP25358-B3	1962	21097	5406	1058
16:39	MA10842-CCV8	1984	21137	5441	1025
16:43	MA10842-CCB8	2110	22604	5558	1240
16:47	MP25358-MB4	1932	20434	5385	1046
16:52	MP25358-B4	1933	20466	5380	1000
16:56	MA10842-CRIA2	2089	22051	5524	1182
17:01	MA10842-ICSA2	1780	18642	5033	866
17:06	MA10842-ICSAB2	1768	18589	5010	854
17:10	MA10842-CCV9	1993	21023	5415	1029
17:14	MA10842-CCB9	2112	22448	5539	1238

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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10842 Units: ug/l

Time:			09:30		10:20		11:12		12:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-0.90	<200	9.0	<200	6.0	<200	6.1	<200
Antimony	6.0	1.3	-1.0	<6.0	-1.2	<6.0	-1.4	<6.0	0.20	<6.0
Arsenic	10	1.6	0.10	<10	-0.40	<10	1.4	<10	0.60	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.10	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	1.4	<1000	10.7	<1000	10.5	<1000	7.1	<1000
Chromium	10	1.8	-0.60	<10	0.30	<10	0.20	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	4.2	<300	10.4	<300	15.8	<300	15.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-16	<5000	-38	<5000	2.6	<5000	-34	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-25	<10000	-66	<10000	-72	<10000	-110	<10000
Selenium	10	2	-2.5	<10	-0.80	<10	-2.5	<10	-1.3	<10
Silver	10	.5	anr							
Sodium	10000	500	-11	<10000	-6.2	<10000	8.8	<10000	-23	<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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10842 Units: ug/l

Time:			12:53		13:47		14:53		15:48	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-1.5	<200	0.30	<200	-2.9	<200	4.1	<200
Antimony	6.0	1.3	0.60	<6.0	-0.30	<6.0	0.60	<6.0	0.40	<6.0
Arsenic	10	1.6	0.10	<10	-0.50	<10	-0.90	<10	-0.60	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.30	<5.0	0.30	<5.0	0.30	<5.0	0.20	<5.0
Calcium	1000	50	7.6	<1000	31.6	<1000	11.6	<1000	11.0	<1000
Chromium	10	1.8	0.20	<10	0.30	<10	0.30	<10	0.60	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	3.0	<300	7.8	<300	7.7	<300	5.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	31.4	<5000	26.6	<5000	3.4	<5000	10.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	23.6	<10000	156	<10000	84.3	<10000	87.1	<10000
Selenium	10	2	-0.70	<10	-0.30	<10	-1.9	<10	-2.3	<10
Silver	10	.5	anr							
Sodium	10000	500	8.1	<10000	93.0	<10000	56.8	<10000	72.3	<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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10842 Units: ug/l

Time:			16:43		17:14	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	-2.4	<200	9.2	<200
Antimony	6.0	1.3	0.60	<6.0	1.1	<6.0
Arsenic	10	1.6	-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
Calcium	1000	50	4.6	<1000	20.5	<1000
Chromium	10	1.8	0.0	<10	0.20	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	5.4	<300	12.7	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	5.9	<5000	16.7	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	49.8	<10000	50.4	<10000
Selenium	10	2	-2.4	<10	-0.60	<10
Silver	10	.5	anr			
Sodium	10000	500	67.1	<10000	64.1	<10000
Strontium	10	.5				
Thallium	10	1.3	anr			
Tin	50	.7				
Titanium	10	.9				
Vanadium	50	.5	anr			
Zinc	20	3	anr			

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10842 Units: ug/l

Time:		09:23			10:11			11:08	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	40400	101.0	40000	40400	101.0
Antimony	2000	2000	100.0	2000	2020	101.0	2000	2030	101.5
Arsenic	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2070	103.5	2000	2080	104.0
Calcium	40000	41700	104.3	40000	41500	103.8	40000	41400	103.5
Chromium	2000	2070	103.5	2000	2100	105.0	2000	2100	105.0
Cobalt	anr								
Copper	anr								
Iron	40000	42000	105.0	40000	41800	104.5	40000	41600	104.0
Lead	anr								
Magnesium	40000	39100	97.8	40000	40400	101.0	40000	40200	100.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41300	103.3	40000	40100	100.3	40000	40300	100.8
Selenium	2000	2030	101.5	2000	2020	101.0	2000	2030	101.5
Silver	anr								
Sodium	40000	41600	104.0	40000	40200	100.5	40000	40400	101.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10842 Units: ug/l

Time:		12:11			12:45			13:43	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40000	100.0	40000	39600	99.0
Antimony	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Arsenic	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2080	104.0	2000	2050	102.5	2000	2060	103.0
Calcium	40000	42200	105.5	40000	40100	100.3	40000	40600	101.5
Chromium	2000	2130	106.5	2000	2050	102.5	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	41800	104.5	40000	40600	101.5	40000	40500	101.3
Lead	anr								
Magnesium	40000	40700	101.8	40000	39700	99.3	40000	40100	100.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39900	99.8	40000	40200	100.5	40000	39600	99.0
Selenium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Silver	anr								
Sodium	40000	39800	99.5	40000	40200	100.5	40000	39500	98.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10842 Units: ug/l

Time:		14:49			15:44			16:39	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	40000	100.0	40000	39300	98.3
Antimony	2000	2050	102.5	2000	2040	102.0	2000	2030	101.5
Arsenic	2000	2020	101.0	2000	2040	102.0	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2060	103.0	2000	2080	104.0
Calcium	40000	39800	99.5	40000	40100	100.3	40000	40400	101.0
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2080	104.0
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	40300	100.8	40000	39700	99.3
Lead	anr								
Magnesium	40000	39800	99.5	40000	39700	99.3	40000	39300	98.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40800	102.0	40000	40300	100.8	40000	39600	99.0
Selenium	2000	2050	102.5	2000	2060	103.0	2000	2050	102.5
Silver	anr								
Sodium	40000	40800	102.0	40000	40100	100.3	40000	39400	98.5
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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10842 Units: ug/l

Time:		17:10	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	39300	98.3
Antimony	2000	2040	102.0
Arsenic	2000	2050	102.5
Barium	anr		
Beryllium	anr		
Cadmium	2000	2100	105.0
Calcium	40000	41100	102.8
Chromium	2000	2090	104.5
Cobalt	anr		
Copper	anr		
Iron	40000	39900	99.8
Lead	anr		
Magnesium	40000	39900	99.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	39500	98.8
Selenium	2000	2060	103.0
Silver	anr		
Sodium	40000	39400	98.5
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10842 Units: ug/l

Time:		09:15	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80200	100.3
Antimony	4000	3970	99.3
Arsenic	4000	3990	99.8
Barium	anr		
Beryllium	anr		
Cadmium	4000	3930	98.3
Calcium	80000	79400	99.3
Chromium	4000	3970	99.3
Cobalt	anr		
Copper	anr		
Iron	80000	80100	100.1
Lead	anr		
Magnesium	80000	79800	99.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80100	100.1
Selenium	4000	3960	99.0
Silver	anr		
Sodium	80000	79900	99.9
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10842 Units: ug/l

Time:			09:41		16:56	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	190	95.0	191	95.5
Antimony	10	5.0	3.9	78.0	5.5	110.0
Arsenic	20	10	10.6	106.0	9.8	98.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.1	102.0	5.1	102.0
Calcium	2000	1000	1030	103.0	1030	103.0
Chromium	20	10	10.2	102.0	10.2	102.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	314	104.7	303	101.0
Lead	10	5.0	anr			
Magnesium	10000	5000	4860	97.2	4780	95.6
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9730	97.3	9690	96.9
Selenium	20	10	8.0	80.0	8.5	85.0
Silver	20	10	anr			
Sodium	20000	10000	9760	97.6	9730	97.3
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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA062113M1.ICP Date Analyzed: 06/21/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10842 Units: ug/l

Time:			09:52		10:01		17:01		17:06	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	527000	105.4	522000	104.4	505000	101.0	504000	100.8
Antimony		1000	-1.1		1030	103.0	-0.90		1040	104.0
Arsenic		1000	0.20		1050	105.0	-0.40		1040	104.0
Barium		500	-0.10		528	105.6	0.10		519	103.8
Beryllium		500	-0.20		521	104.2	-0.20		508	101.6
Cadmium		1000	0.10		941	94.1	0.80		950	95.0
Calcium	500000	500000	504000	100.8	502000	100.4	496000	99.2	494000	98.8
Chromium		500	-0.90		489	97.8	-0.60		492	98.4
Cobalt		500	-1.3		468	93.6	-0.90		462	92.4
Copper		500	0.0		551	110.2	-0.90		548	109.6
Iron	200000	200000	190000	95.0	200000	100.0	182000	91.0	190000	95.0
Lead		1000	-0.10		958	95.8	-3.3		954	95.4
Magnesium	500000	500000	519000	103.8	521000	104.2	509000	101.8	518000	103.6
Manganese		500	0.40		502	100.4	0.50		515	103.0
Molybdenum		1000	-0.40		928	92.8	-0.60		922	92.2
Nickel		1000	0.0		922	92.2	-0.30		924	92.4
Potassium			-10		-34		119		154	
Selenium		1000	0.0		1010	101.0	6.2		1010	101.0
Silver		1000	0.60		1040	104.0	0.50		1050	105.0
Sodium			89.8		116		235		230	
Strontium		1000	11.9		1030	103.0	11.8		997	99.7
Thallium		1000	0.0		934	93.4	-7.2		921	92.1
Tin		1000	4.9		913	91.3	3.8		911	91.1
Titanium		1000	-1.1		983	98.3	-0.80		1010	101.0
Vanadium		500	-0.10		485	97.0	0.20		495	99.0
Zinc		1000	-2.4		951	95.1	-2.1		954	95.4

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25348
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					06/20/13		06/20/13		06/20/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	200	15	15	0.0	<200	-3.1	<200	-6.1	<200
Antimony	6.0	1.3	1.3	-1.5	<6.0	-1.8	<6.0	-1.4	<6.0
Arsenic	10	1.6	2.5	-1.6	<10	-0.70	<10	-0.70	<10
Barium	200	1	1						
Beryllium	4.0	.5	.5						
Cadmium	5.0	.5	.5	-0.10	<5.0	-0.10	<5.0	-0.10	<5.0
Calcium	1000	50	50	5.8	<1000	23.7	<1000	6.0	<1000
Chromium	10	1.8	2	-0.20	<10	-0.10	<10	-0.10	<10
Cobalt	50	.5	.5						
Copper	25	1	1						
Iron	300	29	29	-5.0	<300	-5.3	<300	-4.4	<300
Lead	5.0	1.1	1.1						
Magnesium	5000	74	74	1.6	<5000	2.3	<5000	-2.2	<5000
Manganese	15	.7	.7						
Molybdenum	50	.6	1						
Nickel	40	.5	.5						
Potassium	10000	200	200	-45	<10000	-30	<10000	-29	<10000
Selenium	10	2	2	2.6	<10	3.0	<10	1.7	<10
Silver	10	.5	.5						
Sodium	10000	500	500	6.0	<10000	38.3	<10000	20.7	<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 MP25348: FA5606-1, FA5606-2, FA5606-3

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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25348
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/13 06/20/13

Metal	FA5606-1 Original	DUP	RPD	QC Limits	FA5606-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1240000	1220000	1.6	0-20	1240000	1220000	27000	-74.1(c)	80-120
Antimony	0.0	0.0 (a)	NC	0-20	0.0	435 (a)	500	87.0	80-120
Arsenic	228	238 (a)	4.3	0-20	228	2160 (a)	2000	96.6	80-120
Barium	anr								
Beryllium	anr								
Cadmium	2620	2590 (a)	1.2	0-20	2620	2580 (a)	50	-80.0(c)	80-120
Calcium	611000	607000(a	0.7	0-20	611000	613000(a	25000	8.0 (c)	80-120
Chromium	2440	2410 (a)	1.2	0-20	2440	2550 (a)	200	55.0 (c)	80-120
Cobalt	anr								
Copper	anr								
Iron	1380000	1360000	1.5	0-20	1380000	1350000	26000	-115.4(c	80-120
Lead	anr								
Magnesium	916000	906000	1.1	0-20	916000	903000	25000	-52.0(c)	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	365000	359000	1.7	0-20	365000	377000	25000	48.0 (c)	80-120
Selenium	37.8	24.3 (a)	43.5 (b)	0-20	37.8	2050 (a)	2000	100.6	80-120
Silver	anr								
Sodium	645000	635000	1.6	0-20	645000	646000	25000	4.0 (c)	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP25348: FA5606-1, FA5606-2, FA5606-3

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
(a) Elevated reporting limit(s) due to matrix interference.
(b) RPD acceptable due to low duplicate and sample concentrations.
(c) 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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25348
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/13

Metal	FA5606-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	1240000	1250000	27000	37.0 (a)	2.4	20
Antimony	0.0	407 (b)	500	81.4	6.7	20
Arsenic	228	2120 (b)	2000	94.6	1.9	20
Barium	anr					
Beryllium	anr					
Cadmium	2620	2630 (b)	50	20.0 (a)	1.9	20
Calcium	611000	622000(b	25000	44.0 (a)	1.5	20
Chromium	2440	2580 (b)	200	70.0 (a)	1.2	20
Cobalt	anr					
Copper	anr					
Iron	1380000	1370000	26000	-38.5(a)	1.5	20
Lead	anr					
Magnesium	916000	917000	25000	4.0 (a)	1.5	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	365000	384000	25000	76.0 (a)	1.8	20
Selenium	37.8	1970 (b)	2000	96.6	4.0	20
Silver	anr					
Sodium	645000	659000	25000	56.0 (a)	2.0	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP25348: FA5606-1, FA5606-2, FA5606-3

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
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) Elevated reporting limit(s) due to matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25348
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28000	27000	103.7	80-120
Antimony	494	500	98.8	80-120
Arsenic	1970	2000	98.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	51.0	50	102.0	80-120
Calcium	26500	25000	106.0	80-120
Chromium	210	200	105.0	80-120
Cobalt	anr			
Copper	anr			
Iron	28300	26000	108.8	80-120
Lead	anr			
Magnesium	25400	25000	101.6	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	25000	25000	100.0	80-120
Selenium	1980	2000	99.0	80-120
Silver	anr			
Sodium	26100	25000	104.4	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25348: FA5606-1, FA5606-2, FA5606-3

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25348
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/13

Metal	FA5606-1 Original	SDL 7:35	%DIF	QC Limits
Aluminum	1240000	1270000	1.9	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	228	229	0.2	0-10
Barium	anr			
Beryllium	anr			
Cadmium	2620	2910	11.2*(a)	0-10
Calcium	611000	659000	7.8	0-10
Chromium	2440	2650	8.4	0-10
Cobalt	anr			
Copper	anr			
Iron	1380000	1540000	11.6*(a)	0-10
Lead	anr			
Magnesium	916000	929000	1.4	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	365000	368000	1.0	0-10
Selenium	37.8	0.00	100.0(b)	0-10
Silver	anr			
Sodium	645000	662000	2.5	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25348: FA5606-1, FA5606-2, FA5606-3

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: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25348
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/20/13

Metal	Sample ml	Final ml	FA5606-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	1244000	1219120	1231000	0.2	125	2500	475.2*(a	80-120
Antimony	9.8	10	0	0	52.4	0.2	5	100	52.4*(a)	80-120
Arsenic	9.8	10	228.3	223.734	344.2	0.2	5	100	120.0	80-120
Barium										
Beryllium										
Cadmium	9.8	10	2618	2565.64	2646	0.2	2.5	50	160.7*(a	80-120
Calcium	9.8	10	611400	599172	614900	0.2	250	5000	314.6*(a	80-120
Chromium	9.8	10	2442	2393.16	2475	0.2	2.5	50	163.7*(a	80-120
Cobalt										
Copper										
Iron	9.8	10	1383000	1355340	1372000	0.2	150	3000	555.3*(a	80-120
Lead										
Magnesium	9.8	10	915900	897582	910400	0.2	250	5000	256.4*(a	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	364900	357602	371500	0.2	500	10000	139.0*(a	80-120
Selenium	9.8	10	37.8	37.044	113.5	0.2	5	100	76.5*(a)	80-120
Silver										
Sodium	9.8	10	645300	632394	647200	0.2	500	10000	148.1*(a	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25348: FA5606-1, FA5606-2, FA5606-3

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

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: FA5606
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	GN56479	5.0	1.0	mg/l	250	244	97.6	90-113%
Chloride	GP21891/GN56352	2.0	0.0	mg/l	50	51.9	103.8	90-110%
Fluoride	GP21948/GN56444	0.20	0.0	mg/l	2.5	2.39	95.6	90-110%
Nitrogen, Nitrate	GP21891/GN56352	0.10	0.0	mg/l	2.5	2.66	106.4	90-110%
Nitrogen, Nitrite	GP21891/GN56352	0.10	0.0	mg/l	2.5	2.71	108.4	90-110%
Phosphate, Ortho	GP21863/GN56279	0.10	0.0	mg/l	.300	0.28	92.8	83-116%
Phosphorus, Total	GP21949/GN56464	0.10	0.0	mg/l	.300	0.27	90.7	81-118%
Phosphorus, Total	GP21955/GN56486	0.10	0.0	mg/l	.300	0.29	95.5	81-118%
Solids, Total Dissolved	GN56347	100	36.0	mg/l				
Specific Conductivity	GN56267	1.0	0.0	umhos/cm				
Sulfate	GP21891/GN56352	2.0	0.0	mg/l	50	52.8	105.6	90-110%

Associated Samples:
Batch GN56267: FA5606-1, FA5606-2, FA5606-3
Batch GN56347: FA5606-1, FA5606-2, FA5606-3
Batch GN56479: FA5606-1, FA5606-2, FA5606-3
Batch GP21863: FA5606-1F, FA5606-2F, FA5606-3F
Batch GP21891: FA5606-1, FA5606-2, FA5606-3
Batch GP21948: FA5606-1, FA5606-2, FA5606-3
Batch GP21949: FA5606-1
Batch GP21955: FA5606-2, FA5606-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5606
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	GN56479	FA5607-2	mg/l	10.6	10.6	0.0	0-20%
Solids, Total Dissolved	GN56347	FA5627-5	mg/l	83.0	83.0	0.0	0-5%
Specific Conductivity	GN56267	FA5606-1	umhos/cm	13900	13900	0.1	0-10%
pH	GN56268	FA5571-1	su	11.65	11.64	0.1	0-10%

Associated Samples:
Batch GN56267: FA5606-1, FA5606-2, FA5606-3
Batch GN56268: FA5606-1, FA5606-2, FA5606-3
Batch GN56347: FA5606-1, FA5606-2, FA5606-3
Batch GN56479: FA5606-1, FA5606-2, FA5606-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP21891/GN56352	FA5546-1	mg/l	6.2	50	69.5	126.6N(a)	90-110%
Fluoride	GP21948/GN56444	FA5659-1	mg/l	0.67	2.5	3.5	113.2N(a)	90-110%
Nitrogen, Nitrate	GP21891/GN56352	FA5546-1	mg/l	0.050 U	2.5	3.0	120.0N(a)	90-110%
Nitrogen, Nitrite	GP21891/GN56352	FA5546-1	mg/l	0.092	2.5	2.8	108.3	90-110%
Phosphate, Ortho	GP21863/GN56279	FA5606-3F	mg/l	2.4	6.00	8.6	103.0	83-116%
Phosphorus, Total	GP21949/GN56464	FA5558-9	mg/l	0.028 U	.300	0.31	97.4	81-118%
Phosphorus, Total	GP21955/GN56486	FA5607-1	mg/l	0.036	.300	0.37	110.0	81-118%
Sulfate	GP21891/GN56352	FA5546-1	mg/l	24.2	50	65.3	82.2N(a)	90-110%

Associated Samples:
Batch GP21863: FA5606-1F, FA5606-2F, FA5606-3F
Batch GP21891: FA5606-1, FA5606-2, FA5606-3
Batch GP21948: FA5606-1, FA5606-2, FA5606-3
Batch GP21949: FA5606-1
Batch GP21955: FA5606-2, FA5606-3
(*) 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: FA5606
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	GP21891/GN56352	FA5546-1	mg/l	6.2	50	69.3	0.3	20%
Fluoride	GP21948/GN56444	FA5659-1	mg/l	0.67	2.5	3.6	2.8	20%
Nitrogen, Nitrate	GP21891/GN56352	FA5546-1	mg/l	0.050 U	2.5	2.8	6.9	20%
Nitrogen, Nitrite	GP21891/GN56352	FA5546-1	mg/l	0.092	2.5	2.8	0.0	20%
Phosphate, Ortho	GP21863/GN56279	FA5606-3F	mg/l	2.4	6.00	8.76	2.3	26%
Phosphorus, Total	GP21949/GN56464	FA5558-9	mg/l	0.028 U	.300	0.297	2.8	22%
Phosphorus, Total	GP21955/GN56486	FA5607-1	mg/l	0.036	.300	0.359	1.7	22%
Sulfate	GP21891/GN56352	FA5546-1	mg/l	24.2	50	65.3	0.0	20%

Associated Samples:
Batch GP21863: FA5606-1F, FA5606-2F, FA5606-3F
Batch GP21891: FA5606-1, FA5606-2, FA5606-3
Batch GP21948: FA5606-1, FA5606-2, FA5606-3
Batch GP21949: FA5606-1
Batch GP21955: FA5606-2, FA5606-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150601.TXT Date Analyzed: 06/15/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56352
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:03	GN56352-CCV1	1		
10:20	GP21891-MB1	1		
10:37	GP21891-B1	1		
11:28	ZZZZZZ	1		
11:45	ZZZZZZ	5		
12:02	FA5546-1	1		(sample used for QC only; not part of login FA5606)
12:19	FA5546-2	1		(sample used for QC only; not part of login FA5606)
12:36	ZZZZZZ	1		
12:53	ZZZZZZ	1		
13:10	GN56352-CCV2	1		
13:27	GN56352-CCB1	1		
13:43	ZZZZZZ	1		
14:00	ZZZZZZ	1		
14:17	ZZZZZZ	1		
14:34	ZZZZZZ	1		
14:51	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:25	ZZZZZZ	5		
15:42	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:16	ZZZZZZ	5		
16:33	GN56352-CCV3	1		
16:50	GN56352-CCB2	1		
17:07	ZZZZZZ	1		
17:24	FA5606-1	100		
17:41	FA5606-2	25		
17:58	FA5606-3	2		
18:15	GP21891-S1	1		
18:32	GP21891-S2	1		
18:49	GP21891-S3	1		
19:05	GP21891-S4	1		
19:22	GN56352-CCV4	1		
19:39	GN56352-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150601.TXT Date Analyzed: 06/15/13 Methods: EPA 300/SW846 9056A
Run ID: GN56352 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56352-CCV1	Chloride	49.6	2.0	0.80	50	99.2	90-110
GN56352-CCV1	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56352-CCV1	Sulfate	52.3	2.0	0.60	50	104.6	90-110
GN56352-CCV2	Chloride	49.4	2.0	0.80	50	98.8	90-110
GN56352-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56352-CCV2	Sulfate	52.1	2.0	0.60	50	104.2	90-110
GN56352-CCB1	Chloride	0.80 U	2.0	0.80			
GN56352-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56352-CCB1	Sulfate	0.60 U	2.0	0.60			
GN56352-CCV3	Chloride	48.3	2.0	0.80	50	96.6	90-110
GN56352-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56352-CCV3	Sulfate	51.3	2.0	0.60	50	102.6	90-110
GN56352-CCB2	Chloride	0.80 U	2.0	0.80			
GN56352-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56352-CCB2	Sulfate	0.60 U	2.0	0.60			
GN56352-CCV4	Chloride	48.6	2.0	0.80	50	97.2	90-110
GN56352-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56352-CCV4	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN56352-CCB3	Chloride	0.80 U	2.0	0.80			
GN56352-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56352-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313190601.TXT Date Analyzed: 06/19/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56363
Parameters: Nitrogen, Nitrate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:05	GN56363-CCV1	1		
10:21	GP21913-MB1	1		
10:38	GP21913-B1	1		
11:12	GP21913-B1	1		
11:50	ZZZZZZ	5		
12:06	ZZZZZZ	1		
12:23	ZZZZZZ	10		
13:23	FA5246-1	1		(sample used for QC only; not part of login FA5606)
13:40	ZZZZZZ	1		
13:57	GN56363-CCV2	1		
14:14	GN56363-CCB1	1		
14:30	ZZZZZZ	1		
14:47	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:21	ZZZZZZ	500		
15:38	FA5606-2	100		
15:55	GP21913-S1	1		
16:12	GP21913-S2	1		
16:29	ZZZZZZ	5		
16:46	ZZZZZZ	1		
17:03	ZZZZZZ	5		
17:20	GN56363-CCV3	1		
17:37	GN56363-CCB2	1		
17:54	ZZZZZZ	5		
18:11	ZZZZZZ	1		
18:28	ZZZZZZ	2		
18:45	ZZZZZZ	2		
19:02	ZZZZZZ	1		
19:18	ZZZZZZ	2		
19:35	ZZZZZZ	1		
19:52	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:26	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313190601.TXT Date Analyzed: 06/19/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56363
Parameters: Nitrogen, Nitrate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:43	GN56363-CCV4	1		
21:00	GN56363-CCB3	1		
21:17	ZZZZZZ	2		
21:34	ZZZZZZ	1		
21:51	ZZZZZZ	1		
22:08	ZZZZZZ	1		
22:42	GP21854-S1	2		
22:58	GP21854-S2	2		
23:32	GP21854-S3	1		
23:49	GP21854-S4	1		
00:06	GN56363-CCV5	1		
00:23	GN56363-CCB4	1		
00:40	FA5476-6	1		(sample used for QC only; not part of login FA5606)
00:57	GP21840-S1	1		
01:14	GP21840-S2	1		
01:31	FA5476-9	1		(sample used for QC only; not part of login FA5606)
01:48	GP21840-S3	1		
02:05	GP21840-S4	1		
02:39	GP21853-S1	5		
02:56	GP21853-S2	5		
03:13	GN56363-CCV6	1		
03:30	GN56363-CCB5	1		
04:04	GP21853-S3	5		
04:21	GP21853-S4	5		
04:37	ZZZZZZ	1		
04:54	GP21840-MB1	1		
05:11	GP21840-B1	1		
05:28	GN56363-CCV7	1		
05:45	GN56363-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313190601.TXT Date Analyzed: 06/19/13 Methods: EPA 300/SW846 9056A
Run ID: GN56363 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56363-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN56363-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN56363-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56363-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56363-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56363-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56363-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56363-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56363-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56363-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56363-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56363-CCV7	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56363-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Analyst: AC Run ID: GN56424
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:37	GN56424-CCV1	1		
10:53	GP21936-MB1	1		
11:10	GP21936-B1	1		
12:00	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:51	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:25	ZZZZZZ	2		
13:42	GN56424-CCV2	1		
13:59	GN56424-CCB1	1		
14:16	ZZZZZZ	1		
14:33	FA5627-5	1		(sample used for QC only; not part of login FA5606)
14:50	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:41	ZZZZZZ	1		
16:31	FA5627-27	1		(sample used for QC only; not part of login FA5606)
16:48	ZZZZZZ	1		
17:05	GN56424-CCV3	1		
17:22	GN56424-CCB2	1		
17:39	ZZZZZZ	100		
17:56	ZZZZZZ	5		
18:13	ZZZZZZ	5		
18:30	GP21936-S1	1		
18:47	GP21936-S2	1		
19:04	GP21936-S3	1		
19:21	GP21936-S4	1		
19:38	ZZZZZZ	1		
19:55	GN56424-CCV4	1		
20:12	GP21937-MB1	1		
20:29	GP21937-B1	1		
21:20	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Analyst: AC Run ID: GN56424
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:36	ZZZZZZ	1		
21:53	ZZZZZZ	1		
22:10	ZZZZZZ	1		
22:27	ZZZZZZ	1		
22:44	ZZZZZZ	1		
23:01	GN56424-CCV5	1		
23:18	GN56424-CCB3	1		
23:35	ZZZZZZ	5		
23:52	FA5798-13	1		(sample used for QC only; not part of login FA5606)
00:09	GP21937-S1	1		
00:25	GP21937-S2	1		
00:42	ZZZZZZ	25		
00:59	ZZZZZZ	25		
01:16	ZZZZZZ	50		
01:33	ZZZZZZ	50		
01:50	ZZZZZZ	10		
02:07	ZZZZZZ	2		
02:24	GN56424-CCV6	1		
02:41	GN56424-CCB4	1		
02:58	ZZZZZZ	5		
03:14	ZZZZZZ	2		
03:31	FA5606-1	200		
03:48	FA5606-3	5		
04:05	ZZZZZZ	5		
04:22	ZZZZZZ	5		
04:39	ZZZZZZ	5		
04:56	ZZZZZZ	5		
05:13	ZZZZZZ	2		
05:30	GN56424-CCV7	1		
05:47	GN56424-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Run ID: GN56424 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56424-CCV1	Sulfate	46.7	2.0	0.60	50	93.4	90-110
GN56424-CCV2	Sulfate	48.5	2.0	0.60	50	97.0	90-110
GN56424-CCB1	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV3	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN56424-CCB2	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV4	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN56424-CCV5	Sulfate	49.8	2.0	0.60	50	99.6	90-110
GN56424-CCB3	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV6	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN56424-CCB4	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV7	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN56424-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56444
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:53	GN56444-CCV1	1		
13:10	GP21948-MB1	1		
13:27	GP21948-B1	1		
15:19	ZZZZZZ	2000		
15:36	ZZZZZZ	25		
15:53	ZZZZZZ	25		
16:10	ZZZZZZ	10		
16:27	FA5659-1	2		(sample used for QC only; not part of login FA5606)
16:44	GN56444-CCV2	1		
17:00	GN56444-CCB1	1		
17:17	ZZZZZZ	2		
17:34	ZZZZZZ	25		
17:51	ZZZZZZ	25		
18:08	ZZZZZZ	25		
18:28	ZZZZZZ	1		
18:45	ZZZZZZ	5		
19:02	FA5606-1	2000		
19:19	FA5606-2	25		
19:35	FA5606-3	5		
19:52	ZZZZZZ	2		
20:09	GN56444-CCV3	1		
20:26	GN56444-CCB2	1		
20:43	FA5814-2	1		(sample used for QC only; not part of login FA5606)
21:00	ZZZZZZ	5		
21:17	ZZZZZZ	5		
21:34	ZZZZZZ	1		
21:51	ZZZZZZ	10		
22:08	GP21948-S1	2		
22:25	GP21948-S2	2		
22:42	GP21948-S3	1		
22:59	GP21948-S4	1		
23:16	GN56444-CCV4	1		
23:32	GN56444-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5606
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Run ID: GN56444 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56444-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN56444-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN56444-CCB1	Fluoride	0.060 U	0.20	0.060			
GN56444-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56444-CCB2	Fluoride	0.060 U	0.20	0.060			
GN56444-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56444-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

07/09/13

Technical Report for

WSP Environment & Energy

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

36785.01

Accutest Job Number: FA5775

Sampling Date: 06/20/13

Report to:

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

ATTN: Tim Huff

Total number of pages in report: **70**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA5775

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
FA5775-1	06/20/13	10:30	TP	06/21/13	AQ	Ground Water	A-34-022
FA5775-1F	06/20/13	10:30	TP	06/21/13	AQ	Groundwater Filtered	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA5775

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 7/8/2013 6:17:14 PM

1 Sample was collected on 06/20/2013 and was received at Accutest SE on 06/21/2013 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of FA5775. 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:** MP25418

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) FA5862-1DUP, FA5862-1MS, FA5862-1MSD, FA5862-1PS, FA5862-1SDL were used as the QC samples for metals.

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

FA5775-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA5775-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA5775-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA5775-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA5775-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA5775-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA5775-1 for Iron: Elevated reporting limit(s) due to matrix interference.

FA5775-1 for Magnesium: Elevated reporting limit(s) due to matrix interference.

FA5775-1 for Potassium: Elevated reporting limit(s) due to matrix interference.

FA5775-1 for Aluminum: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN56401

All method blanks for this batch meet method specific criteria.

Sample(s) FA5775-1DUP was used as the QC samples for Specific Conductivity.

The following sample was run outside of holding time for method EPA 120.1: FA5775-1.

FA5775-1 for Specific Conductivity: Analyzed beyond hold-time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21936

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) FA5627-5MS, FA5627-5MSD 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.

FA5775-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21948

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) FA5659-1MSD, FA5659-1MS 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:** GP21924

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) FA5775-1FMSD, FA5775-1FMS 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. For method performance in a clean matrix, refer to Blank Spike.

Matrix: AQ **Batch ID:** GP21964

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5737-1MS, FA5737-1MSD were used as the QC samples for Phosphorus, Total.

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

Matrix: AQ **Batch ID:** GN56402

Sample(s) FA5772-1DUP was used as the QC samples for pH.

FA5775-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN56508

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5798-10DUP was used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN56478

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA5807-1DUP was used as the QC sample for Solids, Total Dissolved.

FA5775-1 for Solids, Total Dissolved: Confirmed by reanalysis in GN56592.

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: July 8, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA5775
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 06/20/13

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA5775-1	**A-34-022**					
Aluminum [a]		1050	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.202	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		2.51	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		569	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.12	0.050	0.010	mg/l	SW846 6010C
Iron [a]		1140	1.5	0.15	mg/l	SW846 6010C
Magnesium [a]		764	25	0.37	mg/l	SW846 6010C
Potassium [a]		342	50	1.0	mg/l	SW846 6010C
Selenium [a]		0.0188 J	0.050	0.010	mg/l	SW846 6010C
Sodium		543	100	5.0	mg/l	SW846 6010C
Chloride		237	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		4910	400	120	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2070	500	150	mg/l	EPA 365.3
Solids, Total Dissolved [b]		21500	1000	100	mg/l	SM19 2540C
Specific Conductivity [c]		13000	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		10900	400	120	mg/l	EPA 300/SW846 9056A
pH [d]		2.20			su	SM 4500H B/SW 9040C
FA5775-1F	**A-34-022**					
Phosphate, Ortho		2420	500	95	mg/l	EPA 365.3

(a) Elevated reporting limit(s) due to matrix interference.
(b) Confirmed by reanalysis in GN56592.
(c) Sample analyzed beyond hold time.
(d) Field analysis required. Received out of hold time and analyzed by request.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA5775-1	**Date Sampled:**	06/20/13
Matrix:	AQ - Ground Water	**Date Received:**	06/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	1050	1.0	0.075	mg/l	5	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	0.12 U	0.30	0.12	mg/l	5	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	0.202	0.050	0.013	mg/l	5	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	2.51	0.025	0.0025	mg/l	5	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	569	5.0	0.25	mg/l	5	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	2.12	0.050	0.010	mg/l	5	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron [a]	1140	1.5	0.15	mg/l	5	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium [a]	764	25	0.37	mg/l	5	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium [a]	342	50	1.0	mg/l	5	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	0.0188 J	0.050	0.010	mg/l	5	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	543	100	5.0	mg/l	10	07/02/13	07/03/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10872
(2) Prep QC Batch: MP25418

(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:	FA5775-1	**Date Sampled:**	06/20/13
Matrix:	AQ - Ground Water	**Date Received:**	06/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	06/27/13 15:30	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	06/27/13 15:30	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	06/27/13 15:30	HH	SM19 2320B
Chloride	237	200	80	mg/l	100	06/21/13 17:39	AC	EPA 300/SW846 9056A
Fluoride	4910	400	120	mg/l	2000	06/24/13 15:19	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	06/21/13 17:39	AC	EPA 300/SW846 9056A
Phosphorus, Total	2070	500	150	mg/l	5000	06/28/13 07:45	LE	EPA 365.3
Solids, Total Dissolved [b]	21500	1000	100	mg/l	10	06/26/13 15:40	KC	SM19 2540C
Specific Conductivity [c]	13000	1.0	1.0	umhos/cm	1	06/21/13 11:30	LE	EPA 120.1
Sulfate	10900	400	120	mg/l	200	06/25/13 04:30	AA	EPA 300/SW846 9056A
pH [d]	2.20			su	1	06/21/13 11:48	LE	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Confirmed by reanalysis in GN56592.
(c) Sample analyzed beyond hold time.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA5775-1F	**Date Sampled:**	06/20/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	2420	500	95	mg/l	5000	06/21/13 10:45	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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

Accutest JOB # FA5775 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): Tyson Pelfrey

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	NaOH	Analytical Information	Matrix Codes / LAB USE ONLY
1	A-34-022	062013	1550	TRP	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 Tyson Pelfrey	062013 1900	2 FX	3 FX	6-21-13	4 J. Corral (ASE) 09:30
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 2.4

FA5775: Chain of Custody
Page 1 of 3

FA5775

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.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 5775

DATE/TIME RECEIVED: 6-21-13 09:30 {MM/DD/YY 24:00}

CLIENT: WSP

PROJECT: AGAIVM

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

NIMBER OF COOLERS RECEIVED: 1

AIRBILL NUMBERS: 8017 3246 9257

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.0
- [ ] CORRECTED TEMPS: 2.4

SAMPLE INFORMATION

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

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 6-21-13

REVIEWER SIGNATURE/DATE 06-21-3

NF 12/10

receipt confirmation 122910.xls

5.1

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FA5775: Chain of Custody

Page 3 of 3

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10868
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:03	MA10868-STD1	1		STDA
08:06	MA10868-STD2	1		STDB
08:10	MA10868-STD3	1		STDC
08:13	MA10868-STD4	1		STDD
08:22	MA10868-HSTD1	1		
08:31	MA10868-ICV1	1		
08:38	MA10868-ICB1	1		
08:44	MA10868-CRIA1	1		
08:53	MA10868-ICSA1	1		
09:00	MA10868-ICSAB1	1		
09:20	MA10868-CCV1	1		
09:27	MA10868-CCB1	1		
09:31	MP25409-MB1	1		
09:35	MP25409-B1	1		
09:40	FA5999-8	1		(sample used for QC only; not part of login FA5775)
09:44	MP25409-D1	1		
09:48	MP25409-SD1	5		
09:53	MP25409-PS1	1		
09:57	MP25409-S1	1		
10:01	MP25409-S2	1		
10:05	ZZZZZZ	1		
10:10	ZZZZZZ	1		
10:15	MA10868-CCV2	1		
10:19	MA10868-CCB2	1		
10:23	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:32	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:55	ZZZZZZ	1		
10:59	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10868
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:03	ZZZZZZ	1		
11:08	MA10868-CCV3	1		
11:12	MA10868-CCB3	1		
11:19	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:28	MP25410-MB1	1		
11:33	MP25410-B1	1		
11:37	FA6042-1	1		(sample used for QC only; not part of login FA5775)
11:42	MP25410-D1	1		
11:47	MP25410-SD1	5		
11:51	MP25410-PS1	1		
11:56	MP25410-S1	1		
12:01	MP25410-S2	1		
12:06	MA10868-CCV4	1		
12:10	MA10868-CCB4	1		
12:14	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:59	MA10868-CCV5	1		
13:03	MA10868-CCB5	1		
13:07	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:29	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10868
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:34	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:47	FA6042-1	5		(sample used for QC only; not part of login FA5775)
13:52	MA10868-CCV6	1		
13:56	MA10868-CCB6	1		
14:00	MP25410-D1	5		
14:05	MP25410-S1	5		
14:10	MP25410-S2	5		
14:15	MP25410-PS1	5		
14:19	MP25410-SD1	25		
14:24	ZZZZZZ	5		
14:28	ZZZZZZ	5		
14:33	MP25418-MB1	1		
14:38	MP25418-B1	1		
14:42	FA5862-1	1		(sample used for QC only; not part of login FA5775)
14:46	MA10868-CCV7	1		
14:51	MA10868-CCB7	1		
14:55	MP25418-D1	1		
15:00	MP25418-SD1	5		
15:04	MP25418-PS1	1		
15:08	MP25418-S1	1		
15:13	MP25418-S2	1		
---------->	Last reportable sample/prep for job FA5775			
15:17	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:40	MA10868-CCV8	1		
15:44	MA10868-CCB8	1		
15:48	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:02	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10868
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:06	ZZZZZZ	1		
16:10	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:33	MA10868-CCV9	1		
16:37	MA10868-CCB9	1		
16:41	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:55	ZZZZZZ	1		
16:59	MA10868-CRIA2	1		
17:04	MA10868-ICSA2	1		
17:08	MA10868-ICSAB2	1		
17:26	MA10868-CCV10	1		
17:30	MA10868-CCB10	1		
---------->	Last reportable CCB for job FA5775			
17:39	MA10868-CCV11	1		
17:43	MA10868-CCB11	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10868
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:03	MA10868-STD1	3861	26662	4096	1809
08:06	MA10868-STD2	3806	26043	4111	1665
08:10	MA10868-STD3	3672	25155	4068	1514
08:13	MA10868-STD4	3510	24408	4046	1392
08:22	MA10868-HSTD1	3474	24220	4035	1374
08:31	MA10868-ICV1	3622	24908	4096	1496
08:38	MA10868-ICB1	3839 R	26480 R	4137 R	1810 R
08:44	MA10868-CRIA1	3800	25936	4146	1723
08:53	MA10868-ICSA1	3327	22136	3963	1283
09:00	MA10868-ICSAB1	3304	22125	3939	1263
09:20	MA10868-CCV1	3619	24832	4036	1493
09:27	MA10868-CCB1	3802	26279	4065	1784
09:31	MP25409-MB1	3766	26568	4275	1755
09:35	MP25409-B1	3644	24793	4035	1548
09:40	FA5999-8	4123	28078	4532	1622
09:44	MP25409-D1	4211	28500	4637	1633
09:48	MP25409-SD1	3915	26637	4267	1744
09:53	MP25409-PS1	4126	27849	4544	1582
09:57	MP25409-S1	4085	27650	4557	1516
10:01	MP25409-S2	3982	26778	4519	1450
10:05	ZZZZZZ	3426	23439	4183	1217
10:10	ZZZZZZ	3917	26196	4477	1401
10:15	MA10868-CCV2	3635	24890	4055	1501
10:19	MA10868-CCB2	3809	26338	4125	1793
10:23	ZZZZZZ	3595	24485	4094	1414
10:28	ZZZZZZ	3694	25206	4259	1354
10:32	ZZZZZZ	3653	25069	4066	1549
10:37	ZZZZZZ	3881	26750	4246	1679
10:41	ZZZZZZ	3530	24110	4135	1348
10:46	ZZZZZZ	3464	23704	4003	1377
10:50	ZZZZZZ	4036	27005	4528	1473
10:55	ZZZZZZ	4066	27378	4546	1500
10:59	ZZZZZZ	3876	26716	4191	1714

INTERNAL STANDARD SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10868
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:03	ZZZZZZ	3656	24821	4059	1493
11:08	MA10868-CCV3	3622	24997	4067	1488
11:12	MA10868-CCB3	3818	26466	4118	1789
11:19	ZZZZZZ	3801	26428	4131	1696
11:24	ZZZZZZ	3824	26439	4094	1708
11:28	MP25410-MB1	3760	26405	4080	1736
11:33	MP25410-B1	3605	24875	3991	1521
11:37	FA6042-1	3657	25676	4753	1017
11:42	MP25410-D1	3516	24840	4610	989
11:47	MP25410-SD1	3532	24460	4154	1337
11:51	MP25410-PS1	3636	25630	4675	1015
11:56	MP25410-S1	3397	24158	4435	938
12:01	MP25410-S2	3604	25389	4540	1003
12:06	MA10868-CCV4	3619	25217	3954	1484
12:10	MA10868-CCB4	3810	26619	4038	1773
12:14	ZZZZZZ	4478	30958	4758	1611
12:19	ZZZZZZ	5044	34491	5563	1446
12:23	ZZZZZZ	4312	29926	4581	1619
12:28	ZZZZZZ	4277	29876	4512	1600
12:32	ZZZZZZ	5392	37153	5702	1559
12:36	ZZZZZZ	3501	24546	4172	1133
12:41	ZZZZZZ	3554	25250	4431	1016 !
12:46	ZZZZZZ	3944	27286	4127	1637
12:50	ZZZZZZ	3975	27692	4180	1619
12:54	ZZZZZZ	4152	28334	4330	1549
12:59	MA10868-CCV5	3641	25520	3921	1485
13:03	MA10868-CCB5	3814	26832	3957	1771
13:07	ZZZZZZ	4129	27988	4377	1552
13:12	ZZZZZZ	4057	28526	4342	1621
13:16	ZZZZZZ	4158	28960	4390	1659
13:21	ZZZZZZ	3920	27484	4272	1541
13:25	ZZZZZZ	4106	29318	4644	1457
13:29	ZZZZZZ	4136	29572	4688	1445

INTERNAL STANDARD SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10868
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:34	ZZZZZZ	3908	27059	4094	1663
13:38	ZZZZZZ	4158	28897	4493	1581
13:43	ZZZZZZ	4133	28639	4451	1590
13:47	FA6042-1	3598	24850	4107	1342
13:52	MA10868-CCV6	3688	25598	4012	1484
13:56	MA10868-CCB6	3873	27012	4038	1770
14:00	MP25410-D1	3519	24503	4041	1302
14:05	MP25410-S1	3471	24164	4023	1266
14:10	MP25410-S2	3572	24786	4018	1309
14:15	MP25410-PS1	3577	24797	4013	1328
14:19	MP25410-SD1	3697	25542	3972	1543
14:24	ZZZZZZ	3588	24813	3984	1400
14:28	ZZZZZZ	3535	24543	4022	1320
14:33	MP25418-MB1	3867	27316	4045	1769
14:38	MP25418-B1	3731	25872	3986	1553
14:42	FA5862-1	3641	25293	3972	1542
14:46	MA10868-CCV7	3651	25418	3958	1470
14:51	MA10868-CCB7	3835	26749	3981	1757
14:55	MP25418-D1	3645	25226	4000	1547
15:00	MP25418-SD1	3777	26255	3996	1681
15:04	MP25418-PS1	3659	25277	4023	1519
15:08	MP25418-S1	3643	25012	4006	1448
15:13	MP25418-S2	3649	25020	4001	1452
15:17	ZZZZZZ	3728	25939	4021	1638
15:21	ZZZZZZ	3623	24990	4008	1537
15:26	ZZZZZZ	3716	25816	4032	1635
15:30	ZZZZZZ	3720	25855	4030	1649
15:40	MA10868-CCV8	3645	25209	4016	1476
15:44	MA10868-CCB8	3848	26663	4102	1768
15:48	ZZZZZZ	6146	42057	6881	1519
15:53	ZZZZZZ	3550	24715	4029	1534
15:57	ZZZZZZ	3966	27475	4183	1729
16:02	ZZZZZZ	3871	26985	4145	1741

INTERNAL STANDARD SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10868
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:06	ZZZZZZ	3868	26910	4117	1733
16:10	ZZZZZZ	3690	25226	4055	1566
16:15	ZZZZZZ	3690	25578	4178	1583
16:19	ZZZZZZ	3802	26417	4132	1686
16:24	ZZZZZZ	3640	25289	4103	1565
16:28	ZZZZZZ	3613	25062	4032	1579
16:33	MA10868-CCV9	3665	25321	4045	1481
16:37	MA10868-CCB9	3834	26681	4036	1766
16:41	ZZZZZZ	3746	26197	4100	1664
16:46	ZZZZZZ	3597	24792	4017	1531
16:50	ZZZZZZ	3726	25947	4068	1641
16:55	ZZZZZZ	3525	24477	3964	1502
16:59	MA10868-CRIA2	3763	26006	3981	1680
17:04	MA10868-ICSA2	3336	22414	3896	1267
17:08	MA10868-ICSAB2	3303	22389	3886	1240
17:26	MA10868-CCV10	3608	25209	4030	1467
17:30	MA10868-CCB10	3808	26531	4032	1758
17:39	MA10868-CCV11	3605	25046	4083	1467
17:43	MA10868-CCB11	3802	26606	4070	1757

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: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10868 Units: ug/l

Time:			08:38		09:27		10:19		11:12	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.40	<200	12.5	<200	6.0	<200	6.1	<200
Antimony	6.0	1.3	1.1	<6.0	0.20	<6.0	0.70	<6.0	1.0	<6.0
Arsenic	10	1.6	0.10	<10	-0.10	<10	0.30	<10	0.40	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.30	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	0.0	<1000	3.8	<1000	28.1	<1000	13.1	<1000
Chromium	10	1.8	0.60	<10	0.10	<10	0.50	<10	0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	3.6	<300	4.1	<300	8.7	<300	13.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	11.5	<5000	-1.3	<5000	21.7	<5000	2.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	5.4	<10000	1.7	<10000	56.0	<10000	33.1	<10000
Selenium	10	2	-2.5	<10	-0.10	<10	-1.6	<10	-1.9	<10
Silver	10	.5	anr							
Sodium	10000	500	22.9	<10000	48.7	<10000	87.9	<10000	52.6	<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: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10868 Units: ug/l

Time:			12:10		13:03		13:56		14:51	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.4	<200	14.5	<200	4.3	<200	6.8	<200
Antimony	6.0	1.3	0.10	<6.0	0.60	<6.0	0.30	<6.0	0.40	<6.0
Arsenic	10	1.6	1.0	<10	0.80	<10	0.40	<10	0.20	<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	169	<1000	63.4	<1000	61.7	<1000	11.5	<1000
Chromium	10	1.8	0.60	<10	0.60	<10	0.50	<10	0.80	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	15.2	<300	22.9	<300	23.8	<300	13.1	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	24.7	<5000	13.1	<5000	18.2	<5000	18.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	34.9	<10000	13.7	<10000	20.9	<10000	29.9	<10000
Selenium	10	2	-1.6	<10	-2.3	<10	-1.5	<10	-2.3	<10
Silver	10	.5	anr							
Sodium	10000	500	83.4	<10000	49.3	<10000	36.2	<10000	44.9	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10868 Units: ug/l

Time:			15:44		16:37		17:30	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	31.2	<200	2.3	<200	-1.6	<200
Antimony	6.0	1.3	1.4	<6.0	0.50	<6.0	0.70	<6.0
Arsenic	10	1.6	0.0	<10	0.50	<10	0.0	<10
Barium	200	1	anr					
Beryllium	4.0	.5	anr					
Cadmium	5.0	.5	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	25.5	<1000	11.1	<1000	7.2	<1000
Chromium	10	1.8	0.60	<10	0.80	<10	0.60	<10
Cobalt	50	.5	anr					
Copper	25	1	anr					
Iron	300	29	55.6	<300	12.9	<300	13.3	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	18.5	<5000	3.0	<5000	12.7	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6	anr					
Nickel	40	.5	anr					
Potassium	10000	200	161	<10000	56.6	<10000	15.3	<10000
Selenium	10	2	-0.40	<10	-0.80	<10	-1.3	<10
Silver	10	.5	anr					
Sodium	10000	500	149	<10000	62.5	<10000	49.2	<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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10868 Units: ug/l

Time:		08:31			09:20			10:15	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	39900	99.8	40000	39800	99.5
Antimony	2000	2060	103.0	2000	2020	101.0	2000	2020	101.0
Arsenic	2000	2060	103.0	2000	2020	101.0	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2050	102.5	2000	2060	103.0
Calcium	40000	41600	104.0	40000	40500	101.3	40000	41000	102.5
Chromium	2000	2080	104.0	2000	2040	102.0	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	41800	104.5	40000	41400	103.5	40000	41600	104.0
Lead	anr								
Magnesium	40000	41100	102.8	40000	40400	101.0	40000	40700	101.8
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41000	102.5	40000	39900	99.8	40000	39600	99.0
Selenium	2000	2060	103.0	2000	2020	101.0	2000	2040	102.0
Silver	anr								
Sodium	40000	41100	102.8	40000	39800	99.5	40000	39600	99.0
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: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10868 Units: ug/l

Time:		11:08			12:06			12:59	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40100	100.3	40000	40200	100.5
Antimony	2000	2040	102.0	2000	2030	101.5	2000	2010	100.5
Arsenic	2000	2040	102.0	2000	2020	101.0	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2050	102.5	2000	2040	102.0
Calcium	40000	41100	102.8	40000	41000	102.5	40000	40900	102.3
Chromium	2000	2040	102.0	2000	1990	99.5	2000	1940	97.0
Cobalt	anr								
Copper	anr								
Iron	40000	42100	105.3	40000	41800	104.5	40000	42100	105.3
Lead	anr								
Magnesium	40000	40900	102.3	40000	40400	101.0	40000	40300	100.8
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	39800	99.5	40000	40100	100.3	40000	40000	100.0
Selenium	2000	2050	102.5	2000	2030	101.5	2000	2010	100.5
Silver	anr								
Sodium	40000	39900	99.8	40000	39700	99.3	40000	39500	98.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10868 Units: ug/l

Time:		13:52			14:46			15:40	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39100	97.8	40000	39700	99.3	40000	39200	98.0
Antimony	2000	1990	99.5	2000	2000	100.0	2000	2010	100.5
Arsenic	2000	1990	99.5	2000	2000	100.0	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Calcium	40000	40100	100.3	40000	40300	100.8	40000	40100	100.3
Chromium	2000	1940	97.0	2000	1960	98.0	2000	2000	100.0
Cobalt	anr								
Copper	anr								
Iron	40000	40900	102.3	40000	41500	103.8	40000	40700	101.8
Lead	anr								
Magnesium	40000	39300	98.3	40000	39800	99.5	40000	39400	98.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	39000	97.5	40000	39600	99.0	40000	39300	98.3
Selenium	2000	2000	100.0	2000	2000	100.0	2000	2020	101.0
Silver	anr								
Sodium	40000	38600	96.5	40000	39000	97.5	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: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10868 Units: ug/l

Time:		16:33			17:26	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38600	96.5	40000	38700	96.8
Antimony	2000	1990	99.5	2000	2030	101.5
Arsenic	2000	1990	99.5	2000	2010	100.5
Barium	anr					
Beryllium	anr					
Cadmium	2000	2010	100.5	2000	2030	101.5
Calcium	40000	39500	98.8	40000	39700	99.3
Chromium	2000	1980	99.0	2000	1970	98.5
Cobalt	anr					
Copper	anr					
Iron	40000	40100	100.3	40000	40200	100.5
Lead	anr					
Magnesium	40000	38800	97.0	40000	38700	96.8
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	40000	38500	96.3	40000	38800	97.0
Selenium	2000	2000	100.0	2000	2030	101.5
Silver	anr					
Sodium	40000	38000	95.0	40000	38200	95.5
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10868 Units: ug/l

Time:		08:22	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80700	100.9
Antimony	4000	4070	101.8
Arsenic	4000	4080	102.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	4040	101.0
Calcium	80000	80300	100.4
Chromium	4000	4040	101.0
Cobalt	anr		
Copper	anr		
Iron	80000	80300	100.4
Lead	anr		
Magnesium	80000	80600	100.8
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	80800	101.0
Selenium	4000	4070	101.8
Silver	anr		
Sodium	80000	80700	100.9
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10868 Units: ug/l

Time:			08:44		16:59	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	210	105.0	199	99.5
Antimony	10	5.0	5.4	108.0	4.3	86.0
Arsenic	20	10	10.6	106.0	10.3	103.0
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	1080	108.0
Chromium	20	10	10.6	106.0	10.5	105.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	314	104.7	316	105.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5090	101.8	5090	101.8
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	10000	100.0	9980	99.8
Selenium	20	10	7.0	70.0	9.8	98.0
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: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA070213M1.ICP Date Analyzed: 07/02/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10868 Units: ug/l

Time:			08:53		09:00		17:04		17:08	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	504000	100.8	500000	100.0	484000	96.8	484000	96.8
Antimony		1000	0.70		1040	104.0	0.50		1030	103.0
Arsenic		1000	-0.10		1060	106.0	-0.30		1050	105.0
Barium		500	0.20		527	105.4	0.30		526	105.2
Beryllium		500	0.0		503	100.6	-0.10		482	96.4
Cadmium		1000	0.0		947	94.7	0.40		936	93.6
Calcium	500000	500000	483000	96.6	477000	95.4	470000	94.0	468000	93.6
Chromium		500	0.10		495	99.0	-0.20		473	94.6
Cobalt		500	1.1		470	94.0	1.0		467	93.4
Copper		500	0.10		537	107.4	0.70		521	104.2
Iron	200000	200000	183000	91.5	196000	98.0	181000	90.5	192000	96.0
Lead		1000	0.0		983	98.3	-1.7		986	98.6
Magnesium	500000	500000	487000	97.4	490000	98.0	473000	94.6	473000	94.6
Manganese		500	0.30		509	101.8	0.40		498	99.6
Molybdenum		1000	0.60		925	92.5	0.40		927	92.7
Nickel		1000	0.30		935	93.5	0.40		925	92.5
Potassium			24.6		36.5		110		53.5	
Selenium		1000	-0.80		1000	100.0	-2.7		998	99.8
Silver		1000	0.40		1030	103.0	0.60		1020	102.0
Sodium			116		155		189		163	
Strontium		1000	11.6		1000	100.0	11.6		984	98.4
Thallium		1000	-1.6		981	98.1	-2.5		1000	100.0
Tin		1000	2.7		925	92.5	2.0		925	92.5
Titanium		1000	-3.6		999	99.9	-3.6		986	98.6
Vanadium		500	0.10		487	97.4	-0.10		475	95.0
Zinc		1000	-2.8		948	94.8	-2.0		939	93.9

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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10872
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:53	MA10872-STD1	1		STDA
07:56	MA10872-STD2	1		STDB
08:01	MA10872-STD3	1		STDC
08:05	MA10872-STD4	1		STDD
08:10	MA10872-HSTD1	1		
08:17	MA10872-ICV1	1		
08:24	MA10872-ICB1	1		
08:28	MA10872-CRIA1	1		
08:36	MA10872-ICSA1	1		
08:43	MA10872-ICSAB1	1		
08:50	MA10872-CCV1	1		
08:57	MA10872-CCB1	1		
09:39	MP25421-MB1	1		
09:43	MP25421-B1	1		
09:47	FA6057-1	1		(sample used for QC only; not part of login FA5775)
09:51	MP25421-D1	1		
09:55	MP25421-SD1	5		
10:00	MP25421-PS1	1		
10:04	MP25421-S1	1		
10:08	MP25421-S2	1		
10:12	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:20	MA10872-CCV2	1		
10:24	MA10872-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		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10872
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:07	ZZZZZZ	1		
	11:11	MA10872-CCV3	1		
	11:15	MA10872-CCB3	1		
	11:19	ZZZZZZ	1		
	11:24	ZZZZZZ	1		
	11:28	ZZZZZZ	1		
	11:32	ZZZZZZ	1		
	11:36	ZZZZZZ	1		
	11:41	ZZZZZZ	1		
	11:45	ZZZZZZ	1		
	11:50	FA6054-1	4		(sample used for QC only; not part of login FA5775)
	11:54	MP25413-D1	4		
	11:59	MP25413-S1	4		
	12:03	MA10872-CCV4	1		
	12:07	MA10872-CCB4	1		
	12:11	MP25413-S2	4		
	12:15	MP25413-PS1	4		
	12:19	MP25413-SD1	20		
	12:23	ZZZZZZ	5		
	12:28	ZZZZZZ	5		
	12:32	ZZZZZZ	2		
	12:36	ZZZZZZ	4		
	12:41	ZZZZZZ	5		
	12:45	ZZZZZZ	5		
	12:49	ZZZZZZ	5		
	12:53	MA10872-CCV5	1		
	12:57	MA10872-CCB5	1		
	13:02	ZZZZZZ	4		
	13:06	FA5775-1	10		
	13:10	FA5775-1	5		
---------->	Last reportable sample/prep for job FA5775				
	13:15	MP25427-MB1	1		
	13:19	MP25427-B1	1		
	13:23	MP25427-B2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10872
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:28	MP25427-B3	1		
13:32	FA5214-1R	1		(sample used for QC only; not part of login FA5775)
13:36	MP25427-D1	1		
13:40	MP25429-MB1	1		
13:45	MA10872-CCV6	1		
13:49	MA10872-CCB6	1		
13:53	MP25429-B1	1		
13:57	FA5897-1	1		(sample used for QC only; not part of login FA5775)
14:01	MP25429-D1	1		
14:06	MP25429-SD1	5		
14:10	MP25429-PS1	1		
14:14	MP25429-S1	1		
14:18	MP25429-S2	1		
14:23	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:35	MA10872-CCV7	1		
14:40	MA10872-CCB7	1		
14:44	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		
15:14	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:27	MA10872-CCV8	1		
15:31	MA10872-CCB8	1		
15:35	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:44	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10872
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:48	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:01	MA10872-CRIA2	1		
16:05	MA10872-ICSA2	1		
16:09	MA10872-ICSAB2	1		
16:14	MA10872-CCV9	1		
16:18	MA10872-CCB9	1		

----------> Last reportable CCB for job FA5775
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10872
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	MA10872-STD1	4475	31402	8716	2005
07:56	MA10872-STD2	4390	30396	8678	1833
08:01	MA10872-STD3	4234	29522	8648	1638
08:05	MA10872-STD4	4026	28315	8497	1471
08:10	MA10872-HSTD1	4046	28450	8564	1477
08:17	MA10872-ICV1	4236	29581	8724	1641
08:24	MA10872-ICB1	4479 R	31261 R	8784 R	2015 R
08:28	MA10872-CRIA1	4415	30529	8732	1912
08:36	MA10872-ICSA1	3835	25919	8270	1435
08:43	MA10872-ICSAB1	3821	25918	8335	1406
08:50	MA10872-CCV1	4229	29344	8577	1637
08:57	MA10872-CCB1	4461	31100	8706	2003
09:39	MP25421-MB1	4322	30495	8590	1944
09:43	MP25421-B1	4160	28903	8480	1704
09:47	FA6057-1	4305	30286	8641	1850
09:51	MP25421-D1	4338	30546	8680	1885
09:55	MP25421-SD1	4479	31334	8849	1979
10:00	MP25421-PS1	4288	30051	8639	1788
10:04	MP25421-S1	4153	28924	8487	1655
10:08	MP25421-S2	4182	28962	8520	1685
10:12	ZZZZZZ	4225	29941	8608	1841
10:16	ZZZZZZ	4300	30362	8743	1892
10:20	MA10872-CCV2	4146	29060	8612	1615
10:24	MA10872-CCB2	4445	31139	8790	2002
10:28	ZZZZZZ	4283	29694	8726	1767
10:32	ZZZZZZ	4255	30007	8755	1755
10:36	ZZZZZZ	4246	29779	8657	1780
10:41	ZZZZZZ	4248	31888	9382	1708
10:45	ZZZZZZ	4435	30805	8996	1764
10:49	ZZZZZZ	4395	30375	9144	1698
10:53	ZZZZZZ	3307	29138	8891	1503
10:58	ZZZZZZ	4214	29850	8890	1718
11:02	ZZZZZZ	4344	30089	8719	1820

INTERNAL STANDARD SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10872
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:07	ZZZZZZ	4380	30744	10151	1264
11:11	MA10872-CCV3	4237	29507	8690	1652
11:15	MA10872-CCB3	4449	31079	8755	2010
11:19	ZZZZZZ	4282	30203	8571	1877
11:24	ZZZZZZ	4395	31038	8829	1961
11:28	ZZZZZZ	4527	31463	9973	1327
11:32	ZZZZZZ	4256	30015	8564	1794
11:36	ZZZZZZ	4351	30697	8608	1932
11:41	ZZZZZZ	4858	34189	9744	1859
11:45	ZZZZZZ	4368	29828	9926	1273
11:50	FA6054-1	4311	30058	8755	1834
11:54	MP25413-D1	4255	29715	8782	1811
11:59	MP25413-S1	4266	29742	8773	1765
12:03	MA10872-CCV4	4179	29329	8598	1625
12:07	MA10872-CCB4	4417	30991	8686	1982
12:11	MP25413-S2	4259	29667	8793	1763
12:15	MP25413-PS1	4228	29781	8726	1783
12:19	MP25413-SD1	4373	30775	8827	1929
12:23	ZZZZZZ	4274	29717	8754	1819
12:28	ZZZZZZ	4150	28939	8588	1744
12:32	ZZZZZZ	4343	30313	8879	1793
12:36	ZZZZZZ	4275	29812	8663	1818
12:41	ZZZZZZ	4299	29668	8693	1827
12:45	ZZZZZZ	4274	29498	8698	1803
12:49	ZZZZZZ	4237	29478	8688	1790
12:53	MA10872-CCV5	4185	29063	8621	1622
12:57	MA10872-CCB5	4435	30985	8774	1990
13:02	ZZZZZZ	4243	29509	8628	1795
13:06	FA5775-1	4477	30736	9203	1657
13:10	FA5775-1	4613	31718	9822	1512
13:15	MP25427-MB1	4186	29563	8389	1926
13:19	MP25427-B1	4205	30318	8510	1891
13:23	MP25427-B2	4135	30155	8536	1911

INTERNAL STANDARD SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10872
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:28	MP25427-B3	4232	30327	8519	1960
13:32	FA5214-1R	4262	30922	8785	1923
13:36	MP25427-D1	4191	30178	8407	1901
13:40	MP25429-MB1	4515	32363	8924	2050
13:45	MA10872-CCV6	4248	30147	8854	1672
13:49	MA10872-CCB6	4481	32149	9007	2039
13:53	MP25429-B1	4215	29368	8615	1732
13:57	FA5897-1	4047	28569	8436	1700
14:01	MP25429-D1	4075	28729	8473	1719
14:06	MP25429-SD1	4267	30185	8610	1871
14:10	MP25429-PS1	4077	28635	8486	1685
14:14	MP25429-S1	4060	28152	8427	1599
14:18	MP25429-S2	4084	28588	8495	1615
14:23	ZZZZZZ	4034	28396	8427	1694
14:27	ZZZZZZ	4234	29799	8686	1810
14:31	ZZZZZZ	4417	31671	8771	1999
14:35	MA10872-CCV7	4163	29177	8510	1626
14:40	MA10872-CCB7	4448	31612	8738	2006
14:44	ZZZZZZ	4454	31777	8729	2010
14:48	ZZZZZZ	4390	31196	8616	1985
14:52	ZZZZZZ	4114	29112	8554	1697
14:57	ZZZZZZ	4141	29070	8547	1738
15:01	ZZZZZZ	4113	29037	8552	1698
15:06	ZZZZZZ	4143	29165	8530	1730
15:10	ZZZZZZ	4263	29811	8653	1759
15:14	ZZZZZZ	4494	31471	9140	1788
15:18	ZZZZZZ	4238	29818	8596	1801
15:23	ZZZZZZ	4268	30074	8667	1824
15:27	MA10872-CCV8	4190	29355	8506	1630
15:31	MA10872-CCB8	4426	31258	8639	1983
15:35	ZZZZZZ	4196	29409	8676	1775
15:39	ZZZZZZ	4181	29408	8544	1736
15:44	ZZZZZZ	4308	30361	8790	1833

INTERNAL STANDARD SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10872
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:48	ZZZZZZ	4375	30856	8932	1824
15:52	ZZZZZZ	4315	30495	8699	1860
15:56	ZZZZZZ	4163	29393	8582	1769
16:01	MA10872-CRIA2	4381	30689	8694	1895
16:05	MA10872-ICSA2	3801	25959	8172	1423
16:09	MA10872-ICSAB2	3766	25808	8142	1386
16:14	MA10872-CCV9	4132	28992	8406	1608
16:18	MA10872-CCB9	4365	30767	8480	1963

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

LEGEND:

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10872 Units: ug/l

Time:			08:24		08:57		10:24		11:15	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-0.80	<200	6.9	<200	1.8	<200	6.3	<200
Antimony	6.0	1.3	0.30	<6.0	0.60	<6.0	0.40	<6.0	0.60	<6.0
Arsenic	10	1.6	-0.10	<10	0.40	<10	0.40	<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	0.20	<5.0	0.10	<5.0
Calcium	1000	50	-0.50	<1000	8.4	<1000	5.7	<1000	27.7	<1000
Chromium	10	1.8	-0.20	<10	0.20	<10	0.10	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-0.60	<300	6.5	<300	7.0	<300	10.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	5.3	<5000	10.0	<5000	4.5	<5000	11.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	56.1	<10000	23.7	<10000	10.5	<10000	5.7	<10000
Selenium	10	2	1.0	<10	1.9	<10	1.0	<10	1.9	<10
Silver	10	.5	anr							
Sodium	10000	500	6.6	<10000	12.4	<10000	16.9	<10000	29.3	<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: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10872 Units: ug/l

Time:			12:07		12:57		13:49		14:40	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.9	<200	-0.20	<200	0.0	<200	1.8	<200
Antimony	6.0	1.3	0.30	<6.0	0.0	<6.0	1.1	<6.0	0.40	<6.0
Arsenic	10	1.6	-0.40	<10	-0.30	<10	0.10	<10	0.30	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	8.1	<1000	5.1	<1000	4.7	<1000	10.2	<1000
Chromium	10	1.8	0.30	<10	0.10	<10	0.10	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	6.6	<300	7.9	<300	8.1	<300	10.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	11.3	<5000	0.80	<5000	14.7	<5000	10.6	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	30.1	<10000	12.0	<10000	13.2	<10000	4.9	<10000
Selenium	10	2	1.3	<10	1.9	<10	1.3	<10	2.5	<10
Silver	10	.5	anr							
Sodium	10000	500	33.9	<10000	35.2	<10000	25.8	<10000	26.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10872 Units: ug/l

Time:			15:31		16:18	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	-1.8	<200	9.0	<200
Antimony	6.0	1.3	0.80	<6.0	0.50	<6.0
Arsenic	10	1.6	-0.50	<10	0.0	<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	3.0	<1000	11.3	<1000
Chromium	10	1.8	0.0	<10	0.20	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	5.5	<300	11.1	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	7.3	<5000	11.4	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	9.8	<10000	7.1	<10000
Selenium	10	2	1.6	<10	0.30	<10
Silver	10	.5	anr			
Sodium	10000	500	20.9	<10000	20.4	<10000
Strontium	10	.5				
Thallium	10	1.3	anr			
Tin	50	.7	anr			
Titanium	10	.9				
Vanadium	50	.5	anr			
Zinc	20	3	anr			

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10872 Units: ug/l

Time:		08:17			08:50			10:20	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	39600	99.0	40000	40300	100.8
Antimony	2000	2020	101.0	2000	2010	100.5	2000	2070	103.5
Arsenic	2000	2020	101.0	2000	1990	99.5	2000	2060	103.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2030	101.5	2000	2100	105.0
Calcium	40000	40700	101.8	40000	40000	100.0	40000	40600	101.5
Chromium	2000	2040	102.0	2000	2030	101.5	2000	2080	104.0
Cobalt	anr								
Copper	anr								
Iron	40000	41100	102.8	40000	40900	102.3	40000	41200	103.0
Lead	anr								
Magnesium	40000	40300	100.8	40000	39700	99.3	40000	40500	101.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40400	101.0	40000	39400	98.5	40000	40400	101.0
Selenium	2000	2020	101.0	2000	2000	100.0	2000	2070	103.5
Silver	anr								
Sodium	40000	40600	101.5	40000	39700	99.3	40000	40400	101.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10872 Units: ug/l

Time:		11:11			12:03			12:53	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39700	99.3	40000	39900	99.8
Antimony	2000	2020	101.0	2000	2050	102.5	2000	2050	102.5
Arsenic	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Calcium	40000	40100	100.3	40000	39700	99.3	40000	39900	99.8
Chromium	2000	2060	103.0	2000	2030	101.5	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	40800	102.0	40000	41100	102.8
Lead	anr								
Magnesium	40000	39700	99.3	40000	39200	98.0	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39800	99.5	40000	39600	99.0	40000	39700	99.3
Selenium	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Silver	anr								
Sodium	40000	39800	99.5	40000	39900	99.8	40000	40100	100.3
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10872 Units: ug/l

Time:		13:45			14:35			15:27	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	39700	99.3	40000	39700	99.3
Antimony	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Arsenic	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	1990	99.5	2000	2040	102.0	2000	2030	101.5
Calcium	40000	39000	97.5	40000	39700	99.3	40000	39900	99.8
Chromium	2000	1980	99.0	2000	2020	101.0	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	40000	39800	99.5	40000	40300	100.8	40000	40600	101.5
Lead	anr								
Magnesium	40000	38400	96.0	40000	39400	98.5	40000	39600	99.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39500	98.8	40000	39900	99.8	40000	39900	99.8
Selenium	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Silver	anr								
Sodium	40000	39700	99.3	40000	39900	99.8	40000	39900	99.8
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10872 Units: ug/l

Time:		16:14	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	40000	100.0
Antimony	2000	2040	102.0
Arsenic	2000	2040	102.0
Barium	anr		
Beryllium	anr		
Cadmium	2000	2050	102.5
Calcium	40000	40100	100.3
Chromium	2000	2030	101.5
Cobalt	anr		
Copper	anr		
Iron	40000	40700	101.8
Lead	anr		
Magnesium	40000	39700	99.3
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	40300	100.8
Selenium	2000	2060	103.0
Silver	anr		
Sodium	40000	40200	100.5
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

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

HIGH STANDARD CHECK SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10872 Units: ug/l

Time:		08:10	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79800	99.8
Antimony	4000	4000	100.0
Arsenic	4000	4010	100.3
Barium	anr		
Beryllium	anr		
Cadmium	4000	3960	99.0
Calcium	80000	79200	99.0
Chromium	4000	3970	99.3
Cobalt	anr		
Copper	anr		
Iron	80000	79500	99.4
Lead	anr		
Magnesium	80000	79600	99.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80300	100.4
Selenium	4000	3990	99.8
Silver	anr		
Sodium	80000	79800	99.8
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10872 Units: ug/l

Time:			08:28		16:01	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	213	106.5	203	101.5
Antimony	10	5.0	5.2	104.0	5.1	102.0
Arsenic	20	10	9.7	97.0	9.2	92.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.1	102.0	5.1	102.0
Calcium	2000	1000	1050	105.0	1040	104.0
Chromium	20	10	10.4	104.0	10.1	101.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	320	106.7	317	105.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5030	100.6	4930	98.6
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9980	99.8	9880	98.8
Selenium	20	10	10.7	107.0	10.9	109.0
Silver	20	10	anr			
Sodium	20000	10000	10000	100.0	10000	100.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

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

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

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB070313M1.ICP Date Analyzed: 07/03/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10872 Units: ug/l

Time:			08:36		08:43		16:05		16:09	
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	498000	99.6	503000	100.6	506000	101.2
Antimony		1000	0.0		1040	104.0	-1.0		1050	105.0
Arsenic		1000	0.60		1040	104.0	-1.6		1070	107.0
Barium		500	0.0		520	104.0	-0.10		535	107.0
Beryllium		500	0.0		498	99.6	-0.10		496	99.2
Cadmium		1000	0.0		935	93.5	0.10		943	94.3
Calcium	500000	500000	473000	94.6	468000	93.6	473000	94.6	470000	94.0
Chromium		500	-0.10		488	97.6	-0.30		487	97.4
Cobalt		500	0.20		462	92.4	0.20		467	93.4
Copper		500	0.0		538	107.6	0.0		546	109.2
Iron	200000	200000	181000	90.5	192000	96.0	180000	90.0	192000	96.0
Lead		1000	0.10		942	94.2	0.0		947	94.7
Magnesium	500000	500000	494000	98.8	491000	98.2	491000	98.2	495000	99.0
Manganese		500	0.10		498	99.6	-0.30		506	101.2
Molybdenum		1000	0.0		922	92.2	-0.20		928	92.8
Nickel		1000	-0.30		915	91.5	-0.20		932	93.2
Potassium			24.6		24.0		29.0		46.8	
Selenium		1000	0.0		997	99.7	0.40		1020	102.0
Silver		1000	0.30		992	99.2	0.0		1010	101.0
Sodium			91.7		117		134		156	
Strontium		1000	11.8		1010	101.0	12.0		1020	102.0
Thallium		1000	-2.0		950	95.0	-2.7		953	95.3
Tin		1000	-0.60		920	92.0	-0.50		935	93.5
Titanium		1000	-4.3		995	99.5	-4.3		999	99.9
Vanadium		500	-0.20		480	96.0	-0.30		482	96.4
Zinc		1000	1.0		938	93.8	1.5		949	94.9

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25418
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	-11	<200
Antimony	6.0	1.3	1.3	-0.50	<6.0
Arsenic	10	1.6	2.5	0.10	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	103	<1000
Chromium	10	1.8	2	0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-1.9	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	11.2	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-20	<10000
Selenium	10	2	2	-1.9	<10
Silver	10	.5	.5		
Sodium	10000	500	500	32.5	<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 MP25418: FA5775-1

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: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25418
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:	07/02/13							07/02/13	
Metal	FA5862-1 Original	DUP	RPD	QC Limits	FA5862-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	0.00	0.0	NC	0-20	0.00	27400	27000	101.5	80-120
Antimony	0.0	0.0	NC	0-20	0.0	512	500	102.4	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2040	2000	102.0	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	49.4	50	98.8	80-120
Calcium	131000	129000	1.5	0-20	131000	162000	25000	124.0(a)	80-120
Chromium	0.0	0.0	NC	0-20	0.0	204	200	102.0	80-120
Cobalt	anr								
Copper	anr								
Iron	686	666	3.0	0-20	686	27900	26000	104.7	80-120
Lead	anr								
Magnesium	11500	11300	1.8	0-20	11500	36500	25000	100.0	80-120
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	10200	10000	2.0	0-20	10200	36200	25000	104.0	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2020	2000	101.0	80-120
Silver	anr								
Sodium	32800	32200	1.8	0-20	32800	59200	25000	105.6	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP25418: FA5775-1

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.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25418
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/13

Metal	FA5862-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	0.00	27600	27000	102.2	0.7	20
Antimony	0.0	519	500	103.8	1.4	20
Arsenic	0.0	2080	2000	104.0	1.9	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	50.0	50	100.0	1.2	20
Calcium	131000	152000	25000	84.0	6.4	20
Chromium	0.0	205	200	102.5	0.5	20
Cobalt	anr					
Copper	anr					
Iron	686	28100	26000	105.4	0.7	20
Lead	anr					
Magnesium	11500	36000	25000	98.0	1.4	20
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	10200	35700	25000	102.0	1.4	20
Selenium	0.0	2080	2000	104.0	2.9	20
Silver	anr					
Sodium	32800	56600	25000	95.2	4.5	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP25418: FA5775-1

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: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25418
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28000	27000	103.7	80-120
Antimony	507	500	101.4	80-120
Arsenic	2020	2000	101.0	80-120
Barium	anr			
Beryllium	anr			
Cadmium	50.9	50	101.8	80-120
Calcium	26600	25000	106.4	80-120
Chromium	205	200	102.5	80-120
Cobalt	anr			
Copper	anr			
Iron	28400	26000	109.2	80-120
Lead	anr			
Magnesium	25600	25000	102.4	80-120
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	25800	25000	103.2	80-120
Selenium	2000	2000	100.0	80-120
Silver	anr			
Sodium	25300	25000	101.2	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25418: FA5775-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25418
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/13

Metal	FA5862-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	0.00	0.00	NC	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	131000	138000	5.1	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	anr			
Copper	anr			
Iron	686	679	1.1	0-10
Lead	anr			
Magnesium	11500	12100	4.8	0-10
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	10200	10400	2.2	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	32800	33900	3.2	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP25418: FA5775-1

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

POST DIGESTATE SPIKE SUMMARY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP25418
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/13

Metal	Sample ml	Final ml	FA5862-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	0	0	2482	0.2	125	2500	99.3	80-120
Antimony	9.8	10	0	0	100.9	0.2	5	100	100.9	80-120
Arsenic	9.8	10	0	0	102.3	0.2	5	100	102.3	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	50.9	0.2	2.5	50	101.8	80-120
Calcium	9.8	10	131100	128478	133000	0.2	250	5000	90.4	80-120
Chromium	9.8	10	0	0	51.3	0.2	2.5	50	102.6	80-120
Cobalt										
Copper										
Iron	9.8	10	686.4	672.672	3789	0.2	150	3000	103.9	80-120
Lead										
Magnesium	9.8	10	11540	11309.2	16090	0.2	250	5000	95.6	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	10190	9986.2	19930	0.2	500	10000	99.4	80-120
Selenium	9.8	10	0	0	98.6	0.2	5	100	98.6	80-120
Silver										
Sodium	9.8	10	32790	32134.2	41810	0.2	500	10000	96.8	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25418: FA5775-1

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: FA5775
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	GN56508	5.0	2.5	mg/l	250	250	100.0	90-113%
Chloride	GP21936/GN56424	2.0	0.0	mg/l	50	49.4	98.8	90-110%
Fluoride	GP21948/GN56444	0.20	0.0	mg/l	2.5	2.39	95.6	90-110%
Nitrogen, Nitrate	GP21936/GN56424	0.10	0.0	mg/l	2.5	2.39	95.6	90-110%
Nitrogen, Nitrite	GP21936/GN56424	0.10	0.0	mg/l	2.5	2.32	92.8	90-110%
Phosphate, Ortho	GP21924/GN56400	0.10	0.0	mg/l	.300	0.28	93.1	83-116%
Phosphorus, Total	GP21964/GN56514	0.10	0.0	mg/l	.300	0.29	96.9	81-118%
Solids, Total Dissolved	GN56478	100	23.0	mg/l				
Specific Conductivity	GN56401	1.0	0.0	umhos/cm				
Sulfate	GP21936/GN56424	2.0	0.0	mg/l	50	46.8	93.6	90-110%

Associated Samples:
Batch GN56401: FA5775-1
Batch GN56478: FA5775-1
Batch GN56508: FA5775-1
Batch GP21924: FA5775-1F
Batch GP21936: FA5775-1
Batch GP21948: FA5775-1
Batch GP21964: FA5775-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5775
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	GN56508	FA5798-10	mg/l	58.8	58.6	0.3	0-20%
Solids, Total Dissolved	GN56478	FA5807-1	mg/l	148	152	2.7	0-5%
Specific Conductivity	GN56401	FA5775-1	umhos/cm	13000	12400	4.7	0-10%
pH	GN56402	FA5772-1	su	6.71	6.69	0.3	0-10%

Associated Samples:
Batch GN56401: FA5775-1
Batch GN56402: FA5775-1
Batch GN56478: FA5775-1
Batch GN56508: FA5775-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP21936/GN56424	FA5627-5	mg/l	4.9	50	53.7	97.6	90-110%
Fluoride	GP21948/GN56444	FA5659-1	mg/l	0.67	2.5	3.5	113.2N(a)	90-110%
Nitrogen, Nitrate	GP21936/GN56424	FA5627-5	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Nitrite	GP21936/GN56424	FA5627-5	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Phosphate, Ortho	GP21924/GN56400	FA5775-1F	mg/l	2420	3000	3140	24.1*(a)	83-116%
Phosphorus, Total	GP21964/GN56514	FA5737-1	mg/l	0.036	.300	0.33	96.7	81-118%
Sulfate	GP21936/GN56424	FA5627-5	mg/l	42.5	50	86.8	88.6N(a)	90-110%

Associated Samples:
Batch GP21924: FA5775-1F
Batch GP21936: FA5775-1
Batch GP21948: FA5775-1
Batch GP21964: FA5775-1
(*) 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: FA5775
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	GP21936/GN56424	FA5627-5	mg/l	4.9	50	53.7	0.0	20%
Fluoride	GP21948/GN56444	FA5659-1	mg/l	0.67	2.5	3.6	2.8	20%
Nitrogen, Nitrate	GP21936/GN56424	FA5627-5	mg/l	0.050 U	2.5	2.4	0.0	20%
Nitrogen, Nitrite	GP21936/GN56424	FA5627-5	mg/l	0.050 U	2.5	2.4	0.0	20%
Phosphate, Ortho	GP21924/GN56400	FA5775-1F	mg/l	2420	3000	3080	2.0	26%
Phosphorus, Total	GP21964/GN56514	FA5737-1	mg/l	0.036	.300	0.334	2.5	22%
Sulfate	GP21936/GN56424	FA5627-5	mg/l	42.5	50	88.0	1.4	20%

Associated Samples:
Batch GP21924: FA5775-1F
Batch GP21936: FA5775-1
Batch GP21948: FA5775-1
Batch GP21964: FA5775-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Analyst: AC Run ID: GN56424
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:37	GN56424-CCV1	1		
10:53	GP21936-MB1	1		
11:10	GP21936-B1	1		
12:00	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:51	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:25	ZZZZZZ	2		
13:42	GN56424-CCV2	1		
13:59	GN56424-CCB1	1		
14:16	ZZZZZZ	1		
14:33	FA5627-5	1		(sample used for QC only; not part of login FA5775)
14:50	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:41	ZZZZZZ	1		
16:31	FA5627-27	1		(sample used for QC only; not part of login FA5775)
16:48	ZZZZZZ	1		
17:05	GN56424-CCV3	1		
17:22	GN56424-CCB2	1		
17:39	FA5775-1	100		
17:56	ZZZZZZ	5		
18:13	ZZZZZZ	5		
18:30	GP21936-S1	1		
18:47	GP21936-S2	1		
19:04	GP21936-S3	1		
19:21	GP21936-S4	1		
19:38	ZZZZZZ	1		
19:55	GN56424-CCV4	1		
20:12	GP21937-MB1	1		
20:29	GP21937-B1	1		
21:20	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Analyst: AC Run ID: GN56424
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:36	ZZZZZZ	1		
21:53	ZZZZZZ	1		
22:10	ZZZZZZ	1		
22:27	ZZZZZZ	1		
22:44	ZZZZZZ	1		
23:01	GN56424-CCV5	1		
23:18	GN56424-CCB3	1		
23:35	ZZZZZZ	5		
23:52	FA5798-13	1		(sample used for QC only; not part of login FA5775)
00:09	GP21937-S1	1		
00:25	GP21937-S2	1		
00:42	ZZZZZZ	25		
00:59	ZZZZZZ	25		
01:16	ZZZZZZ	50		
01:33	ZZZZZZ	50		
01:50	ZZZZZZ	10		
02:07	ZZZZZZ	2		
02:24	GN56424-CCV6	1		
02:41	GN56424-CCB4	1		
02:58	ZZZZZZ	5		
03:14	ZZZZZZ	2		
03:31	ZZZZZZ	200		
03:48	ZZZZZZ	5		
04:05	ZZZZZZ	5		
04:22	ZZZZZZ	5		
04:39	ZZZZZZ	5		
04:56	ZZZZZZ	5		
05:13	ZZZZZZ	2		
05:30	GN56424-CCV7	1		
05:47	GN56424-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210601.TXT Date Analyzed: 06/21/13 Methods: EPA 300/SW846 9056A
Run ID: GN56424 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56424-CCV1	Chloride	49.4	2.0	0.80	50	98.8	90-110
GN56424-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN56424-CCV1	Sulfate	46.7	2.0	0.60	50	93.4	90-110
GN56424-CCV2	Chloride	49.7	2.0	0.80	50	99.4	90-110
GN56424-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN56424-CCV2	Sulfate	48.5	2.0	0.60	50	97.0	90-110
GN56424-CCB1	Chloride	0.80 U	2.0	0.80			
GN56424-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56424-CCB1	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV3	Chloride	50.0	2.0	0.80	50	100.0	90-110
GN56424-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56424-CCV3	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN56424-CCB2	Chloride	0.80 U	2.0	0.80			
GN56424-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56424-CCB2	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV4	Chloride	50.1	2.0	0.80	50	100.2	90-110
GN56424-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56424-CCV4	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN56424-CCV5	Chloride	50.1	2.0	0.80	50	100.2	90-110
GN56424-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56424-CCV5	Sulfate	49.8	2.0	0.60	50	99.6	90-110
GN56424-CCB3	Chloride	0.80 U	2.0	0.80			
GN56424-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56424-CCB3	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV6	Chloride	50.2	2.0	0.80	50	100.4	90-110
GN56424-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56424-CCV6	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN56424-CCB4	Chloride	0.80 U	2.0	0.80			
GN56424-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56424-CCB4	Sulfate	0.60 U	2.0	0.60			
GN56424-CCV7	Chloride	50.3	2.0	0.80	50	100.6	90-110
GN56424-CCV7	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN56424-CCV7	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN56424-CCB5	Chloride	0.80 U	2.0	0.80			
GN56424-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN56424-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56444
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:53	GN56444-CCV1	1		
13:10	GP21948-MB1	1		
13:27	GP21948-B1	1		
15:19	FA5775-1	2000		
15:36	ZZZZZZ	25		
15:53	ZZZZZZ	25		
16:10	ZZZZZZ	10		
16:27	FA5659-1	2		(sample used for QC only; not part of login FA5775)
16:44	GN56444-CCV2	1		
17:00	GN56444-CCB1	1		
17:17	ZZZZZZ	2		
17:34	ZZZZZZ	25		
17:51	ZZZZZZ	25		
18:08	ZZZZZZ	25		
18:28	ZZZZZZ	1		
18:45	ZZZZZZ	5		
19:02	ZZZZZZ	2000		
19:19	ZZZZZZ	25		
19:35	ZZZZZZ	5		
19:52	ZZZZZZ	2		
20:09	GN56444-CCV3	1		
20:26	GN56444-CCB2	1		
20:43	FA5814-2	1		(sample used for QC only; not part of login FA5775)
21:00	ZZZZZZ	5		
21:17	ZZZZZZ	5		
21:34	ZZZZZZ	1		
21:51	ZZZZZZ	10		
22:08	GP21948-S1	2		
22:25	GP21948-S2	2		
22:42	GP21948-S3	1		
22:59	GP21948-S4	1		
23:16	GN56444-CCV4	1		
23:32	GN56444-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 213240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Run ID: GN56444 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56444-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN56444-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN56444-CCB1	Fluoride	0.060 U	0.20	0.060			
GN56444-CCV3	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56444-CCB2	Fluoride	0.060 U	0.20	0.060			
GN56444-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN56444-CCB3	Fluoride	0.060 U	0.20	0.060			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56467
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:19	GN56467-CCV1	1		
13:52	GP21950-MB1	1		
14:35	GP21950-B1	1		
15:33	ZZZZZZ	2		
15:49	ZZZZZZ	2		
16:06	ZZZZZZ	2		
16:23	FA5421-4	1		(sample used for QC only; not part of login FA5775)
16:56	ZZZZZZ	5		
17:12	ZZZZZZ	2		
17:31	GN56467-CCV2	1		
17:47	GN56467-CCB1	1		
18:04	ZZZZZZ	5		
18:21	ZZZZZZ	5		
18:37	ZZZZZZ	5		
18:54	ZZZZZZ	2		
20:36	ZZZZZZ	5		
20:53	GN56467-CCV3	1		
21:10	GN56467-CCB2	1		
21:27	ZZZZZZ	5		
22:17	FA5704-8	1		(sample used for QC only; not part of login FA5775)
22:34	GP21950-S1	1		
22:51	GP21950-S2	1		
23:08	GP21950-S3	1		
23:25	GP21950-S4	1		
23:42	ZZZZZZ	25		
23:59	ZZZZZZ	2		
00:16	GN56467-CCV4	1		
00:33	GP21951-MB1	1		
00:50	GP21951-B1	1		
02:15	ZZZZZZ	1		
02:32	FA5531-8	1		(sample used for QC only; not part of login FA5775)
03:22	GN56467-CCV5	1		
03:39	GN56467-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN56467
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:56	GP21951-S1	1		
04:13	GP21951-S2	1		
04:30	FA5775-1	200		
04:47	ZZZZZZ	2		
05:03	ZZZZZZ	2		
05:23	ZZZZZZ	2		
05:40	ZZZZZZ	2		
05:57	ZZZZZZ	2		
06:14	FA5798-13	2		(sample used for QC only; not part of login FA5775)
06:31	GN56467-CCV6	1		
06:47	GN56467-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA5775
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313240601.TXT Date Analyzed: 06/24/13 Methods: EPA 300/SW846 9056A
Run ID: GN56467 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN56467-CCV1	Sulfate	45.6	2.0	0.60	50	91.2	90-110
GN56467-CCV2	Sulfate	48.7	2.0	0.60	50	97.4	90-110
GN56467-CCB1	Sulfate	0.60 U	2.0	0.60			
GN56467-CCV3	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN56467-CCB2	Sulfate	0.60 U	2.0	0.60			
GN56467-CCV4	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN56467-CCV5	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN56467-CCB3	Sulfate	0.60 U	2.0	0.60			
GN56467-CCV6	Sulfate	50.2	2.0	0.60	50	100.4	90-110
GN56467-CCB4	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits