Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507CDI **Lab ID: 10316268005** Collected: 07/29/15 15:25 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 01:39	7440-43-9	
Potassium	**0.28J**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 01:39	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	ND	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 03:56	7440-38-2	
Selenium	ND	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 03:56	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	ND	mg/L	1.2	0.60	1		07/30/15 22:04	16887-00-6	
Fluoride	ND	mg/L	0.050	0.0036	1		07/30/15 22:04	16984-48-8	
Nitrate as N	ND	mg/L	0.10	0.050	1		07/30/15 22:04	14797-55-8	
Sulfate	ND	mg/L	1.2	0.60	1		07/30/15 22:04	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:27	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	ND	mg/L	0.0050	0.0017	1		07/30/15 16:23		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

TECHNICAL REVIEW ACTION SUMMARY

TECHNICAL REVIEW ACTION SUMMARY
SDG 10316268

Arsenic	
Cadmium	J1, J+1, U1
Potassium	
Selenium	J-1
Phosphorus	

If the field is left blank no actions or qualifications were necessary.

J1	-	Positive result <PQL is flagged as estimated (J) due to uncertainty at the low level.
J+1	-	Positive results <2 PQL are flagged as estimated with the potential for high bias (J+) due to non-compliant CRI stability.
J-1	-	Results <2 PQL are flagged as estimated with the potential for low bias (J-) due to non-compliant CRI stability.
U1	-	Positive result is flagged as not-detected at the reported value (U) due to blank contamination.

SAMPLE ID CODES

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

SAMPLE SUMMARY

Project: FMC RCRA
Pace Project No.: 10316268

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10316268001	507115	Water	07/29/15 12:00	07/30/15 10:00
10316268002	507166	Water	07/29/15 12:40	07/30/15 10:00
10316268003	507113	Water	07/29/15 13:20	07/30/15 10:00
10316268004	507168	Water	07/29/15 14:50	07/30/15 10:00
10316268005	507CDI	Water	07/29/15 15:25	07/30/15 10:00
10316268006	507701	Water	07/29/15 15:40	07/30/15 10:00
10316268007	507104	Water	07/29/15 15:50	07/30/15 10:00
10316268008	507165	Water	07/29/15 17:40	07/31/15 10:00
10316268009	507167	Water	07/29/15 18:20	07/31/15 10:00
10316268010	507158	Water	07/29/15 19:05	07/31/15 10:00
10316268011	507183	Water	07/30/15 08:05	07/31/15 10:00
10316268012	507121A	Water	07/30/15 08:50	07/31/15 10:00
10316268013	507108A	Water	07/30/15 09:30	07/31/15 10:00
10316268014	507123 A,B,C	Water	07/30/15 10:15	07/31/15 10:00
10316268015	507122	Water	07/30/15 11:00	07/31/15 10:00
10316268016	507155	Water	07/30/15 12:00	07/31/15 10:00
10316268017	507156	Water	07/30/15 12:40	07/31/15 10:00
10316268018	507601	Water	07/30/15 13:05	07/31/15 10:00
10316268019	507157 A,B,C	Water	07/30/15 13:30	07/31/15 10:00
10316268020	507BTS	Water	07/30/15 14:00	07/31/15 10:00

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

LABORATORY CASE NARRATIVE

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 6010**
Description: 6010 MET ICP
Client: FMC
Date: August 13, 2015

General Information:
20 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/56575

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2038938)
  - Potassium
- MSD (Lab ID: 2038939)
  - Potassium

QC Batch: MPRP/56634

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316268014,10316268019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2038903)
  - Potassium
- MSD (Lab ID: 2038902)
  - Potassium
- MSD (Lab ID: 2038904)
  - Potassium

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 6010C**
Description: 6010C MET ICP
Client: FMC
Date: August 13, 2015

General Information:
4 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 6020**
Description: 6020 MET ICPMS
Client: FMC
Date: August 13, 2015

General Information:
20 samples were analyzed for EPA 6020. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3020 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **SM 4500F/C**
Description: SM4500F-C Fluoride
Client: FMC
Date: August 13, 2015

General Information:
4 samples were analyzed for SM 4500F/C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: FMC
Date: August 13, 2015

General Information:
20 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/24033

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019,10316268001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2036737)
  - Chloride
  - Fluoride
  - Sulfate
- MS (Lab ID: 2036739)
  - Chloride
  - Fluoride
  - Sulfate
- MSD (Lab ID: 2036738)
  - Chloride
  - Fluoride
  - Sulfate
- MSD (Lab ID: 2036740)
  - Chloride
  - Fluoride
  - Sulfate

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 2036737)
  - Nitrate as N

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: FMC
Date: August 13, 2015

QC Batch: WETA/24033

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019,10316268001

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MSD (Lab ID: 2036738)
  - Nitrate as N

QC Batch: WETA/24059

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316268014,10316268019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2039518)
  - Chloride
  - Fluoride
  - Nitrate as N
- MS (Lab ID: 2039520)
  - Chloride
  - Nitrate as N
  - Sulfate
- MSD (Lab ID: 2039519)
  - Chloride
  - Fluoride
  - Nitrate as N
- MSD (Lab ID: 2039521)
  - Chloride
  - Nitrate as N
  - Sulfate

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 2039518)
  - Sulfate
- MSD (Lab ID: 2039519)
  - Sulfate

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 350.1**
Description: 350.1 Ammonia
Client: FMC
Date: August 13, 2015

General Information:
20 samples were analyzed for EPA 350.1. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/24218

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316268014,10316268019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 2048408)
  - Nitrogen, Ammonia

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **SM 4500-P E**
Description: Phosphate, Ortho Low Level
Client: FMC
Date: August 13, 2015

General Information:
20 samples were analyzed for SM 4500-P E. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/24034

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058011,10316058019

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 2036822)
  - Orthophosphate as P
- MSD (Lab ID: 2036823)
  - Orthophosphate as P

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CHAIN-OF-CUSTODY

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10316268

Section A Required Client Information:

Company:	FMC
Address:	PO BOX 4111
	POCATELLO, ID 83202
Email To:	~~brian.mcginnis@fmc.com~~
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Ericka Vallance, Hydrometrics
Copy To:	Rob Hartman, MWH
	Bruce Wallin, ECCI
Purchase Order No.:	
Project Name:	FMC
Project Number:	RCRA

Section C Invoice Information:

Attention:	Brian McGinnis
Company Name:	FMC
Address:	PO BOX 4111 POCATELLO ID 83202
Pace Quote Reference:	
Pace Project Manager:	Kabor Xiong
Pace Profile #:	26442 line# 4

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☑ RCRA ☐ OTHER

Site Location STATE: ID

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	**WQP	TOTAL METALS 6020	TOTAL METALS 6010	FLUORIDE (ISE)	TOTAL PHOS by ICP	Ammonia	Ortho Phos	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	507 14B	WT	G	--	--	7/29/15	11:10		4	X	X	X							X	X	X	X		X	X		
2	507 14C	WT	G	--	--		11:10		4										X	X	X	X		X	X		
3	507 15	WT	G	--	--		12:00		3																		001
4	507 66	WT	G	--	--		12:40		3																		002
5	507 13	WT	G	--	--		13:20		3																		003
6	507 68	WT	G	--	--		14:50		3																		004
7	507 CDI	WT	G	--	--		15:25		3																		005
8	507 701	WT	G	--	--		15:40		3																		006
9	507 104	WT	G	--	--		15:50		3																		007
10	507	WT	G	--	--																						~~008~~ 7/30/15
11	507	WT	G	--	--																						
12	507	WT	G	--	--																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Fed Ex Air Bill # 8058 1698 6093	Walter Crane / Hydrometrics	7/29/15	16:15	[signature] / Pace	7/30/15	1000	4.7, 2.3	Y	N	Y
**WQP: 300.0- Cl, SO4, Nitrate, F										
6010: Cadmium, Potassium; 6020: Arsenic, Selenium										
Total Phos by ICP only on wells 108, 121, 122 & 123										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Walter Crane

SIGNATURE of SAMPLER: Walter Crane — DATE Signed (MM/DD/YY): 07/29/15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: F-MN-L-213-rev.13	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: FMC

Project #: WO#: 10316268

10316268

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 8058 1698 6082 / 8058 1698 6093

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: Temp Blank? ☑ Yes ☐ No

Thermometer Used: ☐ B88A9130516413 ☑ B88A912167504 ☐ B88A0143310098 Type of Ice: ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 0.7 2.3 Cooler Temp Corrected (°C): 0.7 2.3 Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C Correction Factor: +1.6 Date and Initials of Person Examining Contents: 7/30/15

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☐ Yes ☐ No Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present?	☑ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes ☐ No ☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes ☑ No ☐ N/A	6. Ortho Phos
Rush Turn Around Time Requested?	☐ Yes ☑ No ☐ N/A	7.
Sufficient Volume?	☑ Yes ☐ No ☐ N/A	8.
Correct Containers Used?	☑ Yes ☐ No ☐ N/A	9.
-Pace Containers Used?	☑ Yes ☐ No ☐ N/A	
Containers Intact?	☑ Yes ☐ No ☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☑ Yes ☐ No ☑ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes ☐ No ☐ N/A	12.
All containers needing acid/base preservation have been checked?	☑ Yes ☐ No ☐ N/A	13. ☑ HNO_3 2/2 ☑ H_2SO_4 1/1 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☑ Yes ☐ No ☐ N/A	Sample # 1-18
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes ☐ No ☑ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes ☐ No ☑ N/A	14.
Trip Blank Present?	☐ Yes ☐ No ☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes ☐ No ☑ N/A	
Pace Trip Blank Lot # (if purchased):		

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date: July 30, 2015

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10316268

Page: 1 of 2

Section A Required Client Information:

Company:	FMC
Address:	PO BOX 4111
	POCATELLO, ID 83202
Email To:	brian.mcginnis@fmc.com
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Ericka Vallance, Hydrometrics
Copy To:	Rob Hartman, MWH
	Bruce Wallin, ECCI
Purchase Order No.:	
Project Name:	FMC
Project Number:	RCRA

Section C Invoice Information:

Attention:	Brian McGinnis
Company Name:	FMC
Address:	PO BOX 4111 POCATELLO ID 83202
Pace Quote Reference:	
Pace Project Manager:	Kabor Xiong
Pace Profile #:	26442 line# 4

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☑ RCRA ☐ OTHER ____

Site Location STATE: ID

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): **WQP	TOTAL METALS 6020	TOTAL METALS 6010	FLUORIDE (ISE)	TOTAL PHOS by ICP	Ammonia	Ortho Phos					Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	507 165	WT	G	--	--	7/29/15	1740		3	X	X	X						X	X	X		X	X	X						008
2	507 167	WT	G	--	--	↓	1820		3	↓	↓	↓						↓	↓	↓			↓	↓						009
3	507 158	WT	G	--	--	↓	1905		3	↓	↓	↓						↓	↓	↓			↓	↓						010
4	507 183	WT	G	--	--	7/30/15	0805		3	↓	↓	↓						↓	↓	↓			↓	↓						011
5	507 121A	WT	G	--	--	↓	0850		4	↓	↓	↓						↓	↓	↓		X	↓	↓						012
6	507 108A	WT	G	--	--	↓	0930		4	↓	↓	↓						↓	↓	↓		X	↓	↓						013
7	507 123A	WT	G	--	--	↓	1015		4	↓	↓	↓						↓	↓	↓		X	↓	↓	Sample					014
8	507 123B	WT	G	--	--	↓	1015		4	↓	↓	↓						↓	↓	↓		X	↓	↓	Matrix Spike				MS	014
9	507 123C	WT	G	--	--	↓	1015		4	↓	↓	↓						↓	↓	↓		X	↓	↓	Matrix Spike Dup.				MSD	014
10	507 122	WT	G	--	--	↓	1100		4	↓	↓	↓						↓	↓	↓		X	↓	↓						015
11	507	WT	G	--	--																									
12	507	WT	G	--	--																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Fed Ex Air Bill # 3058 1698 6108	Walter Crane / Hydrometrics	7/30/15	1500	PACE	7/31/15	1000	4.5	Y	Y	Y
**WQP: 300.0- Cl, SO4, Nitrate, F O										
6010: Cadmium, Potassium; 6020: Arsenic, Selenium										
Total Phos by ICP only on wells 108, 121, 122 & 123										

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Walter Crane					
SIGNATURE of SAMPLER:	Walter Crane	DATE Signed (MM/DD/YY): 07/30/15				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company:	FMC
Address:	PO BOX 4111
	POCATELLO, ID 83202
Email To:	brian.mcginnis@fmc.com
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Ericka Vallance, Hydrometrics
Copy To:	Rob Hartman, MWH
	Bruce Wallin, ECCI
Purchase Order No.:	
Project Name:	FMC
Project Number:	RCRA

Section C Invoice Information:

Attention:	Brian McGinnis
Company Name:	FMC
Address:	PO BOX 4111 POCATELLO ID 83202
Pace Quote Reference:	
Pace Project Manager:	Kabor Xiong
Pace Profile #:	26442 line# 4

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☑ RCRA ☐ OTHER ____

Site Location STATE: ID

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): **WQP	TOTAL METALS 6020	TOTAL METALS 6010	FLUORIDE (ISE)	TOTAL PHOS by ICP	Ammonia	Ortho Phos					Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	507155	WT	G	--	--	7/30/15	1200		5	3	X	X						X	X	X	2		X	X						lab QA/QC 016
2	507156	WT	G	--	--		1240		5	3											2									" " 017
3	507601	WT	G	--	--		1305		5	3											2									" " 018
4	507157A	WT	G	--	--		1330		5	3											2									" " ~~MS~~ RX 7/31 21
5	507157B	WT	G	--	--		1330		5	3											2									" " MS 019
6	507157C	WT	G	--	--		1330		5	3											2									" " MSD 019
7	507BTS	WT	G	--	--		1400		3	X																				020
8	507	WT	G	--	--																									
9	507	WT	G	--	--																									
10	507	WT	G	--	--																									
11	507	WT	G	--	--																									
12	507	WT	G	--	--																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Fed Ex Air Bill # 8053 9728 9792	Walter Crave/Hydrometrics	7/30/15	1500	[signature] Pace	7/31/15	1000	6.7	Y	Y	Y
**WQP: 300.0- Cl, SO4, Nitrate, F										
6010: Cadmium, Potassium; 6020: Arsenic, Selenium										
Total Phos by ICP only on wells 108, 121, 122 & 123										

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Walter Crave					
SIGNATURE of SAMPLER:	Walter Crave	DATE Signed (MM/DD/YY): 07/30/15				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: F-MN-L-213-rev.13	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: PMC

Project #: WO#: 10316268

10316268

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 8058 1698 6108

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other PB Temp Blank? ☑ Yes ☐ No

Thermometer Used: ☐ B88A9130516413 ☐ B88A912167504 ☑ B88A0143310098 Type of Ice: ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 4.4 Cooler Temp Corrected (°C): 4.5 Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C Correction Factor: +0.1 Date and Initials of Person Examining Contents: KG 7/31/15

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☑ Yes	☐ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☑ HNO_3 ☑ H_2SO_4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	Sample # 1-4 1/1 1/1; 5-10 2/2 1/1
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes	☐ No	☑ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Karla Xiong Date: Aug 3, 2015

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

Chain of Custody

WO#: 1251081

PM: MMW Due Date: 08/12/15
CLIENT: PACE MPLS

Workorder: 10316268 **Workorder Name:** FMC RCRA **Owner Received Date:** 7/31/2015 **Results Requested By:** 8/12/2015

Report To

Kabor Xiong
Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone (612)607-1700
Fax (612)607-6444

Subcontract To

Pace Analytical Virginia MN
315 Chestnut Street
Virginia, MN 55792
Phone (218)742-1042

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3	Requested Analysis: Total phos by 6010	LAB USE ONLY
1	507121A	PS	7/30/2015 08:50	10316268012	Water	1	X	0012
2	507108A	PS	7/30/2015 09:30	10316268013	Water	1	X	003
3	507123 A,B,C	RQS	7/30/2015 10:15	10316268014	Water	2	X	004
4	507122	PS	7/30/2015 11:00	10316268015	Water	1	X	005
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Kabor Xiong	8/3/15 9:00	[illegible]	8/4/15 1145
2				
3				

Comments:
L4 data pkg due 8/20
X-10316268014 RQS sample

Cooler Temperature on Receipt 4.4°C **Custody Seal** (Y) or N **Received on Ice** (Y) or N **Samples Intact** (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: F-VM-C-001-Rev.09	Issuing Authority: Pace Virginia, Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Pace-MN

Project #: WO#: 1251081

1251081

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number:

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: Hazpnd Temp Blank? ☑ Yes ☐ No

Thermometer Used: ☑ 140792808 Type of Ice: ☑ Wet ☐ Blue ☐ None ☑ Samples on ice, cooling process has begun

Cooler Temp Read °C: 4.1 Cooler Temp Corrected °C: 4.4 Biological Tissue Frozen? ☐ Yes ☐ No ☑ NA

Temp should be above freezing to 6°C Correction Factor: +0.3 Date and Initials of Person Examining Contents: 8/4/15 CP

				Comments:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and Signature on COC?	☐ Yes	☑ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved containers.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation will be checked and documented in the pH logbook.	☑ Yes	☐ No	☐ N/A	See pH log for results and additional preservation documentation
Headspace in Methyl Mercury Container	☐ Yes	☐ No	☑ N/A	13.
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

FECAL WAIVER ON FILE Y N TEMPERATURE WAIVER ON FILE Y N

Project Manager Review: Date: 8/5/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

August 11, 2015

Ericka Vallance
Hydrometrics
3020 Bozeman Ave
Helena, MT 59601

RE: Project: RCRA
Pace Project No.: 10316058

Dear Ericka Vallance:
Enclosed are the analytical results for sample(s) received by the laboratory between July 29, 2015 and July 30, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kabor Xiong

Kabor Xiong
kabor.xiong@pacelabs.com
Project Manager

Enclosures

cc: Rob Hartman, MWH Americas, Inc.
Bradly Maddock, FMC
Carrie Ross, FMC
Bruce Wallin, ECCI

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

CERTIFICATIONS

Project: RCRA
Pace Project No.: 10316058

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

SAMPLE SUMMARY

Project: RCRA
Pace Project No.: 10316058

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10316058001	**507174**	Water	07/28/15 08:05	07/29/15 09:30
10316058002	**507177**	Water	07/28/15 08:50	07/29/15 09:30
10316058003	**507600**	Water	07/28/15 09:20	07/29/15 09:30
10316058004	**507154**	Water	07/28/15 09:30	07/29/15 09:30
10316058005	**507178**	Water	07/28/15 10:10	07/29/15 09:30
10316058006	**507173**	Water	07/28/15 11:05	07/29/15 09:30
10316058007	**507171**	Water	07/28/15 11:55	07/29/15 09:30
10316058008	**507180**	Water	07/28/15 12:45	07/29/15 09:30
10316058009	**507700**	Water	07/28/15 13:55	07/29/15 09:30
10316058010	**507172**	Water	07/28/15 14:25	07/29/15 09:30
10316058011	**507147**	Water	07/28/15 16:05	07/30/15 10:00
10316058012	**507148**	Water	07/28/15 16:45	07/30/15 10:00
10316058013	**507149**	Water	07/28/15 17:40	07/30/15 10:00
10316058014	**507128**	Water	07/28/15 18:20	07/30/15 10:00
10316058015	**507127**	Water	07/29/15 07:45	07/30/15 10:00
10316058016	**507126**	Water	07/29/15 08:20	07/30/15 10:00
10316058017	**507124**	Water	07/29/15 09:00	07/30/15 10:00
10316058018	**507131**	Water	07/29/15 10:00	07/30/15 10:00
10316058019	**507114 A,B,C**	Water	07/29/15 11:10	07/30/15 10:00

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

SAMPLE ANALYTE COUNT

Project: RCRA
Pace Project No.: 10316058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10316058001	**507174**	EPA 6010	WBS	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058002	**507177**	EPA 6010	WBS	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058003	**507600**	EPA 6010	WBS	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058004	**507154**	EPA 6010	WBS	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058005	**507178**	EPA 6010	WBS	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058006	**507173**	EPA 6010	WBS	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058007	**507171**	EPA 6010	WBS	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058008	**507180**	EPA 6010	WBS	2	PASI-M
		EPA 6020	RJS	2	PASI-M

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

SAMPLE ANALYTE COUNT

Project: RCRA
Pace Project No.: 10316058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058009	**507700**	EPA 6010	WBS	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058010	**507172**	EPA 6010	WBS	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058011	**507147**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058012	**507148**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058013	**507149**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058014	**507128**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058015	**507127**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

SAMPLE ANALYTE COUNT

Project: RCRA
Pace Project No.: 10316058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-P E	PH1	1	PASI-M
10316058016	**507126**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058017	**507124**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058018	**507131**	EPA 6010	IP	2	PASI-M
		EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 6020	TT3	2	PASI-M
		SM 4500F/C	JFP	1	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316058019	**507114 A,B,C**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		SM 4500F/C	JFP	1	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: RCRA
Pace Project No.: 10316058

Method: **EPA 6010**
Description: 6010 MET ICP
Client: FMC
Date: August 11, 2015

General Information:
19 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/56575

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2038938)
  - Potassium
- MSD (Lab ID: 2038939)
  - Potassium

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: RCRA
Pace Project No.: 10316058

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved
Client: FMC
Date: August 11, 2015

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: RCRA
Pace Project No.: 10316058

Method: **EPA 6020**
Description: 6020 MET ICPMS
Client: FMC
Date: August 11, 2015

General Information:
19 samples were analyzed for EPA 6020. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3020 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: RCRA
Pace Project No.: 10316058

Method: **EPA 6020**
Description: 6020 MET ICPMS, Dissolved
Client: FMC
Date: August 11, 2015

General Information:
1 sample was analyzed for EPA 6020. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3020 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: RCRA
Pace Project No.: 10316058

Method: **SM 4500F/C**
Description: SM4500F-C Fluoride
Client: FMC
Date: August 11, 2015

General Information:
2 samples were analyzed for SM 4500F/C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: RCRA
Pace Project No.: 10316058

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: FMC
Date: August 11, 2015

General Information:
19 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/24007

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10314966003,10316058010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2034964)
  - Nitrate as N
- MS (Lab ID: 2035153)
  - Chloride
  - Nitrate as N
  - Sulfate
- MSD (Lab ID: 2034965)
  - Nitrate as N
- MSD (Lab ID: 2035154)
  - Chloride
  - Nitrate as N
  - Sulfate

QC Batch: WETA/24033

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019,10316268001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2036737)
  - Chloride
  - Fluoride
  - Sulfate

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: RCRA
Pace Project No.: 10316058

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: FMC
Date: August 11, 2015

QC Batch: WETA/24033

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019,10316268001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2036739)
  - Chloride
  - Fluoride
  - Sulfate
- MSD (Lab ID: 2036738)
  - Chloride
  - Fluoride
  - Sulfate
- MSD (Lab ID: 2036740)
  - Chloride
  - Fluoride
  - Sulfate

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 2036737)
  - Nitrate as N
- MSD (Lab ID: 2036738)
  - Nitrate as N

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: RCRA
Pace Project No.: 10316058

Method: **EPA 350.1**
Description: 350.1 Ammonia
Client: FMC
Date: August 11, 2015

General Information:
19 samples were analyzed for EPA 350.1. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: RCRA
Pace Project No.: 10316058

Method: **SM 4500-P E**
Description: Phosphate, Ortho Low Level
Client: FMC
Date: August 11, 2015

General Information:
19 samples were analyzed for SM 4500-P E. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/24012

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058001,10316058010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2035222)
  - Orthophosphate as P

QC Batch: WETA/24034

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058011,10316058019

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 2036822)
  - Orthophosphate as P
- MSD (Lab ID: 2036823)
  - Orthophosphate as P

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507174 **Lab ID: 10316058001** Collected: 07/28/15 08:05 Received: 07/29/15 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 18:28	7440-43-9	
Potassium	**11.5**	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 18:28	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0035**	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 16:54	7440-38-2	
Selenium	**0.0050**	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 16:54	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**206**	mg/L	6.0	3.0	5		07/29/15 19:35	16887-00-6	
Fluoride	**0.74**	mg/L	0.050	0.0036	1		07/29/15 16:01	16984-48-8	
Nitrate as N	**4.7**	mg/L	0.10	0.050	1		07/29/15 16:01	14797-55-8	
Sulfate	**93.4**	mg/L	1.2	0.60	1		07/29/15 16:01	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:15	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.052**	mg/L	0.0050	0.0017	1		07/29/15 17:13		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507177 **Lab ID: 10316058002** Collected: 07/28/15 08:50 Received: 07/29/15 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 18:53	7440-43-9	
Potassium	**12.3**	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 18:53	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0044**	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 16:58	7440-38-2	
Selenium	**0.0045**	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 16:58	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**182**	mg/L	6.0	3.0	5		07/29/15 19:53	16887-00-6	
Fluoride	**0.69**	mg/L	0.050	0.0036	1		07/29/15 16:16	16984-48-8	
Nitrate as N	**4.2**	mg/L	0.10	0.050	1		07/29/15 16:16	14797-55-8	
Sulfate	**70.3**	mg/L	1.2	0.60	1		07/29/15 16:16	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:16	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.040**	mg/L	0.0050	0.0017	1		07/29/15 17:16		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507600 **Lab ID: 10316058003** Collected: 07/28/15 09:20 Received: 07/29/15 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 18:56	7440-43-9	
Potassium	**12.6**	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 18:56	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0044**	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 17:03	7440-38-2	
Selenium	**0.0045**	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 17:03	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**182**	mg/L	6.0	3.0	5		07/29/15 23:03	16887-00-6	
Fluoride	**0.69**	mg/L	0.050	0.0036	1		07/29/15 16:31	16984-48-8	
Nitrate as N	**4.2**	mg/L	0.10	0.050	1		07/29/15 16:31	14797-55-8	
Sulfate	**70.5**	mg/L	1.2	0.60	1		07/29/15 16:31	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:16	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.038**	mg/L	0.0050	0.0017	1		07/29/15 17:17		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507154 **Lab ID: 10316058004** Collected: 07/28/15 09:30 Received: 07/29/15 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 19:00	7440-43-9	
Potassium	**13.8**	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 19:00	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0045**	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 17:07	7440-38-2	
Selenium	**0.0031**	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 17:07	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**205**	mg/L	6.0	3.0	5		07/29/15 20:28	16887-00-6	
Fluoride	**0.99**	mg/L	0.050	0.0036	1		07/29/15 16:46	16984-48-8	
Nitrate as N	**2.8**	mg/L	0.10	0.050	1		07/29/15 16:46	14797-55-8	
Sulfate	**54.3**	mg/L	1.2	0.60	1		07/29/15 16:46	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:18	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.039**	mg/L	0.0050	0.0017	1		07/29/15 17:18		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507178 **Lab ID: 10316058005** Collected: 07/28/15 10:10 Received: 07/29/15 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 19:04	7440-43-9	
Potassium	**23.1**	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 19:04	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0090**	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 17:11	7440-38-2	
Selenium	**0.0062**	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 17:11	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**595**	mg/L	24.0	12.0	20		07/29/15 21:03	16887-00-6	
Fluoride	**0.30**	mg/L	0.050	0.0036	1		07/29/15 17:01	16984-48-8	
Nitrate as N	**5.9**	mg/L	0.10	0.050	1		07/29/15 17:01	14797-55-8	
Sulfate	**407**	mg/L	6.0	3.0	5		07/29/15 20:46	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:18	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.049**	mg/L	0.0050	0.0017	1		07/29/15 17:19		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507173 **Lab ID: 10316058006** Collected: 07/28/15 11:05 Received: 07/29/15 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 19:09	7440-43-9	
Potassium	**13.8**	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 19:09	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0033**	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 17:16	7440-38-2	
Selenium	**0.0044**	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 17:16	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**258**	mg/L	6.0	3.0	5		07/29/15 21:21	16887-00-6	
Fluoride	**0.80**	mg/L	0.050	0.0036	1		07/29/15 17:16	16984-48-8	
Nitrate as N	**3.3**	mg/L	0.10	0.050	1		07/29/15 17:16	14797-55-8	
Sulfate	**65.9**	mg/L	1.2	0.60	1		07/29/15 17:16	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:20	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.032**	mg/L	0.0050	0.0017	1		07/29/15 17:20		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507171 **Lab ID: 10316058007** Collected: 07/28/15 11:55 Received: 07/29/15 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 19:13	7440-43-9	
Potassium	**21.2**	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 19:13	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.019**	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 17:20	7440-38-2	
Selenium	**0.0030**	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 17:20	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**205**	mg/L	6.0	3.0	5		07/29/15 21:38	16887-00-6	
Fluoride	**0.51**	mg/L	0.050	0.0036	1		07/29/15 17:31	16984-48-8	
Nitrate as N	**5.8**	mg/L	0.10	0.050	1		07/29/15 17:31	14797-55-8	
Sulfate	**89.7**	mg/L	1.2	0.60	1		07/29/15 17:31	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:20	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.12**	mg/L	0.0050	0.0017	1		07/29/15 17:20		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507180 **Lab ID: 10316058008** Collected: 07/28/15 12:45 Received: 07/29/15 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 19:17	7440-43-9	
Potassium	**29.0**	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 19:17	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.039**	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 17:25	7440-38-2	
Selenium	**0.0038**	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 17:25	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**135**	mg/L	6.0	3.0	5		07/29/15 22:26	16887-00-6	
Fluoride	**0.53**	mg/L	0.050	0.0036	1		07/29/15 17:47	16984-48-8	
Nitrate as N	**35.6**	mg/L	0.50	0.25	5		07/29/15 22:26	14797-55-8	
Sulfate	**133**	mg/L	6.0	3.0	5		07/29/15 22:26	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:21	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.38**	mg/L	0.025	0.0087	5		07/29/15 17:30		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507700 **Lab ID: 10316058009** Collected: 07/28/15 13:55 Received: 07/29/15 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 19:23	7440-43-9	
Potassium	ND	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 19:23	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	ND	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 17:38	7440-38-2	
Selenium	ND	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 17:38	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	ND	mg/L	1.2	0.60	1		07/29/15 18:02	16887-00-6	
Fluoride	ND	mg/L	0.050	0.0036	1		07/29/15 18:02	16984-48-8	
Nitrate as N	ND	mg/L	0.10	0.050	1		07/29/15 18:02	14797-55-8	
Sulfate	ND	mg/L	1.2	0.60	1		07/29/15 18:02	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:25	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	ND	mg/L	0.0050	0.0017	1		07/29/15 17:24		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507172 **Lab ID: 10316058010** Collected: 07/28/15 14:25 Received: 07/29/15 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 19:27	7440-43-9	
Potassium	**24.8**	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 19:27	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.022**	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 17:43	7440-38-2	
Selenium	**0.0042**	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 17:43	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**130**	mg/L	2.4	1.2	2		07/29/15 22:45	16887-00-6	M1
Fluoride	**0.56**	mg/L	0.050	0.0036	1		07/29/15 18:17	16984-48-8	
Nitrate as N	**9.5**	mg/L	0.20	0.10	2		07/29/15 22:45	14797-55-8	M1
Sulfate	**71.7**	mg/L	1.2	0.60	1		07/29/15 18:17	14808-79-8	M1
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:27	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.38**	mg/L	0.025	0.0087	5		07/29/15 17:31		M1

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507147 **Lab ID: 10316058011** Collected: 07/28/15 16:05 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 01:59	7440-43-9	
Potassium	**14.0**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 01:59	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0045**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 04:10	7440-38-2	
Selenium	**0.0040**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 04:10	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**157**	mg/L	6.0	3.0	5		07/31/15 00:51	16887-00-6	
Fluoride	**0.67**	mg/L	0.050	0.0036	1		07/30/15 15:28	16984-48-8	
Nitrate as N	**4.3**	mg/L	0.10	0.050	1		07/30/15 15:28	14797-55-8	
Sulfate	**65.1**	mg/L	1.2	0.60	1		07/30/15 15:28	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:31	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.043**	mg/L	0.0050	0.0017	1		07/30/15 15:33		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507148 **Lab ID: 10316058012** Collected: 07/28/15 16:45 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 02:03	7440-43-9	
Potassium	**16.1**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 02:03	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0060**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 04:29	7440-38-2	
Selenium	**0.0041**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 04:29	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**182**	mg/L	6.0	3.0	5		07/31/15 01:09	16887-00-6	
Fluoride	**0.74**	mg/L	0.050	0.0036	1		07/30/15 15:43	16984-48-8	
Nitrate as N	**3.5**	mg/L	0.10	0.050	1		07/30/15 15:43	14797-55-8	
Sulfate	**85.5**	mg/L	1.2	0.60	1		07/30/15 15:43	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:31	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.078**	mg/L	0.0050	0.0017	1		07/30/15 16:06		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507149 **Lab ID: 10316058013** Collected: 07/28/15 17:40 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 02:06	7440-43-9	
Potassium	**14.8**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 02:06	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0070**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 04:34	7440-38-2	
Selenium	**0.0025**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 04:34	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**141**	mg/L	6.0	3.0	5		07/31/15 01:26	16887-00-6	
Fluoride	**0.96**	mg/L	0.050	0.0036	1		07/30/15 15:58	16984-48-8	
Nitrate as N	**2.4**	mg/L	0.10	0.050	1		07/30/15 15:58	14797-55-8	
Sulfate	**64.7**	mg/L	1.2	0.60	1		07/30/15 15:58	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:32	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.085**	mg/L	0.0050	0.0017	1		07/30/15 16:17		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507128 **Lab ID: 10316058014** Collected: 07/28/15 18:20 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 02:10	7440-43-9	
Potassium	**22.0**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 02:10	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.014**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 04:38	7440-38-2	
Selenium	**0.0037**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 04:38	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**297**	mg/L	6.0	3.0	5		07/31/15 01:44	16887-00-6	
Fluoride	**0.43**	mg/L	0.050	0.0036	1		07/30/15 16:14	16984-48-8	
Nitrate as N	**7.5**	mg/L	0.10	0.050	1		07/30/15 16:14	14797-55-8	
Sulfate	**124**	mg/L	6.0	3.0	5		07/31/15 01:44	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:33	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.19**	mg/L	0.0050	0.0017	1		07/30/15 16:08		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507127 **Lab ID: 10316058015** Collected: 07/29/15 07:45 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 02:16	7440-43-9	
Potassium	**18.6**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 02:16	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0071**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 04:43	7440-38-2	
Selenium	**0.0059**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 04:43	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**298**	mg/L	6.0	3.0	5		07/31/15 04:06	16887-00-6	
Fluoride	**0.56**	mg/L	0.050	0.0036	1		07/30/15 19:48	16984-48-8	
Nitrate as N	**5.7**	mg/L	0.10	0.050	1		07/30/15 19:48	14797-55-8	
Sulfate	**217**	mg/L	6.0	3.0	5		07/31/15 04:06	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:34	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.092**	mg/L	0.0050	0.0017	1		07/30/15 16:11		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507126 **Lab ID: 10316058016** Collected: 07/29/15 08:20 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 02:22	7440-43-9	
Potassium	**12.4**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 02:22	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0075**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 04:47	7440-38-2	
Selenium	**0.0023**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 04:47	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**93.1**	mg/L	1.2	0.60	1		07/30/15 20:03	16887-00-6	
Fluoride	**0.90**	mg/L	0.050	0.0036	1		07/30/15 20:03	16984-48-8	
Nitrate as N	**2.2**	mg/L	0.10	0.050	1		07/30/15 20:03	14797-55-8	
Sulfate	**88.2**	mg/L	1.2	0.60	1		07/30/15 20:03	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:35	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.083**	mg/L	0.0050	0.0017	1		07/30/15 16:12		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507124 **Lab ID: 10316058017** Collected: 07/29/15 09:00 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 02:25	7440-43-9	
Potassium	**16.6**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 02:25	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0086**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 04:52	7440-38-2	
Selenium	**0.0034**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 04:52	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**189**	mg/L	6.0	3.0	5		07/31/15 04:24	16887-00-6	
Fluoride	**0.76**	mg/L	0.050	0.0036	1		07/30/15 20:18	16984-48-8	
Nitrate as N	**3.2**	mg/L	0.10	0.050	1		07/30/15 20:18	14797-55-8	
Sulfate	**88.9**	mg/L	1.2	0.60	1		07/30/15 20:18	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:36	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.10**	mg/L	0.0050	0.0017	1		07/30/15 16:13		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507131 **Lab ID: 10316058018** Collected: 07/29/15 10:00 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.0031**	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 02:37	7440-43-9	
Potassium	**18.2**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 02:37	7440-09-7	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium, Dissolved	**0.0025J**	mg/L	0.0030	0.00065	1	07/31/15 10:55	08/03/15 00:58	7440-43-9	
Potassium, Dissolved	**17.7**	mg/L	2.5	0.13	1	07/31/15 10:55	08/03/15 00:58	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.047**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 04:56	7440-38-2	
Selenium	**0.00081**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 04:56	7782-49-2	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic, Dissolved	**0.049**	mg/L	0.00050	0.00011	1	07/31/15 11:39	08/03/15 10:51	7440-38-2	
Selenium, Dissolved	**0.00078**	mg/L	0.00050	0.00020	1	07/31/15 11:39	08/03/15 10:51	7782-49-2	
SM4500F-C Fluoride	Analytical Method: SM 4500F/C								
Fluoride	**0.19J**	mg/L	1.0	0.051	1		08/08/15 13:47	16984-48-8	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**201**	mg/L	6.0	3.0	5		07/30/15 22:52	16887-00-6	
Fluoride	**76.0**	mg/L	5.0	0.36	100		07/31/15 04:59	16984-48-8	
Nitrate as N	ND	mg/L	0.10	0.050	1		07/30/15 20:33	14797-55-8	
Sulfate	**171**	mg/L	6.0	3.0	5		07/30/15 22:52	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.028J**	mg/L	0.040	0.020	1		08/10/15 10:38	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**7.0**	mg/L	0.20	0.070	40		07/30/15 16:26		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: RCRA
Pace Project No.: 10316058

Sample: 507114 A,B,C **Lab ID: 10316058019** Collected: 07/29/15 11:10 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.0048**	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 02:42	7440-43-9	
Potassium	**37.4**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 02:42	7440-09-7	M1
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.12**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 05:10	7440-38-2	
Selenium	**0.0021**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 05:10	7782-49-2	
SM4500F-C Fluoride	Analytical Method: SM 4500F/C								
Fluoride	**0.95J**	mg/L	1.0	0.051	1		08/08/15 13:51	16984-48-8	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**135**	mg/L	2.4	1.2	2		07/31/15 02:03	16887-00-6	M1
Fluoride	**3.3**	mg/L	0.10	0.0073	2		07/31/15 02:03	16984-48-8	M1
Nitrate as N	ND	mg/L	0.10	0.050	1		07/30/15 16:31	14797-55-8	
Sulfate	**100**	mg/L	2.4	1.2	2		07/31/15 02:03	14808-79-8	M1
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.9**	mg/L	0.040	0.020	1		08/10/15 10:40	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**1.6**	mg/L	0.10	0.035	20		07/30/15 16:27		M6

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: MPRP/56545 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 10316058001, 10316058002, 10316058003, 10316058004, 10316058005, 10316058006, 10316058007, 10316058008, 10316058009, 10316058010

METHOD BLANK: 2035959 — Matrix: Water
Associated Lab Samples: 10316058001, 10316058002, 10316058003, 10316058004, 10316058005, 10316058006, 10316058007, 10316058008, 10316058009, 10316058010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	mg/L	ND	0.0030	07/30/15 18:20	
Potassium	mg/L	ND	2.5	07/30/15 18:20	

LABORATORY CONTROL SAMPLE: 2035960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/L	1	0.91	91	86-108	
Potassium	mg/L	10	9.0	90	85-108	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035961 — 2035962

Parameter	Units	10316058001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	mg/L	ND	1	1	0.96	0.95	96	95	83-112	1	20	
Potassium	mg/L	11.5	10	10	22.1	21.9	106	104	82-118	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: MPRP/56575 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 10316058011, 10316058012, 10316058013, 10316058014, 10316058015, 10316058016, 10316058017, 10316058018, 10316058019

METHOD BLANK: 2036713 — Matrix: Water
Associated Lab Samples: 10316058011, 10316058012, 10316058013, 10316058014, 10316058015, 10316058016, 10316058017, 10316058018, 10316058019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	mg/L	ND	0.0030	08/03/15 01:09	
Potassium	mg/L	ND	2.5	08/03/15 01:09	

LABORATORY CONTROL SAMPLE: 2036714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/L	1	1.0	103	86-108	
Potassium	mg/L	10	10.0	100	85-108	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2038938 — 2038939

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	mg/L	0.0048	1	1	1.0	1.1	102	108	83-112	6	20	
Potassium	mg/L	37.4	10	10	51.4	55.0	140	176	82-118	7	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: MPRP/56593
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 10316058018

METHOD BLANK: 2037362
Matrix: Water
Associated Lab Samples: 10316058018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	mg/L	ND	0.0030	08/03/15 00:36	
Potassium, Dissolved	mg/L	ND	2.5	08/03/15 00:36	

LABORATORY CONTROL SAMPLE: 2037363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	mg/L	1	0.99	99	86-108	
Potassium, Dissolved	mg/L	10	9.4	94	85-108	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2037364 2037365

Parameter	Units	10315419001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium, Dissolved	mg/L	ND	1	1	1.1	1.0	107	102	83-112	5	20	
Potassium, Dissolved	mg/L	3880 ug/L	10	10	15.6	15.2	117	113	82-118	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: MPRP/56548 — Analysis Method: EPA 6020
QC Batch Method: EPA 3020 — Analysis Description: 6020 MET
Associated Lab Samples: 10316058001, 10316058002, 10316058003, 10316058004, 10316058005, 10316058006, 10316058007, 10316058008, 10316058009, 10316058010

METHOD BLANK: 2036058 — Matrix: Water
Associated Lab Samples: 10316058001, 10316058002, 10316058003, 10316058004, 10316058005, 10316058006, 10316058007, 10316058008, 10316058009, 10316058010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.00050	07/31/15 16:45	
Selenium	mg/L	ND	0.00050	07/31/15 16:45	

LABORATORY CONTROL SAMPLE: 2036059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.08	0.082	102	92-110	
Selenium	mg/L	.08	0.081	101	93-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036060 — 2036061

Parameter	Units	10316082001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	14.4 ug/L	.08	.08	0.095	0.094	101	100	89-114	1	20	
Selenium	mg/L	ND	.08	.08	0.084	0.082	102	101	85-117	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: MPRP/56577 — Analysis Method: EPA 6020
QC Batch Method: EPA 3020 — Analysis Description: 6020 MET
Associated Lab Samples: 10316058011, 10316058012, 10316058013, 10316058014, 10316058015, 10316058016, 10316058017, 10316058018, 10316058019

METHOD BLANK: 2036727 — Matrix: Water
Associated Lab Samples: 10316058011, 10316058012, 10316058013, 10316058014, 10316058015, 10316058016, 10316058017, 10316058018, 10316058019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.00050	08/07/15 03:34	
Selenium	mg/L	ND	0.00050	08/07/15 03:34	

LABORATORY CONTROL SAMPLE: 2036728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.08	0.082	103	92-110	
Selenium	mg/L	.08	0.085	106	93-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2038583 2038584

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.12	.08	.08	0.21	0.21	112	110	89-114	1	20	
Selenium	mg/L	0.0021	.08	.08	0.088	0.087	107	107	85-117	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: MPRP/56596 | Analysis Method: EPA 6020
QC Batch Method: EPA 3020 | Analysis Description: 6020 MET Dissolved
Associated Lab Samples: 10316058018

METHOD BLANK: 2037376 | Matrix: Water
Associated Lab Samples: 10316058018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	mg/L	ND	0.00050	08/03/15 10:46	
Selenium, Dissolved	mg/L	ND	0.00050	08/03/15 10:46	

LABORATORY CONTROL SAMPLE: 2037377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	mg/L	.08	0.084	105	92-110	
Selenium, Dissolved	mg/L	.08	0.086	107	93-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2037378 2037379

Parameter	Units	10315751001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	mg/L	1.2 ug/L	.08	.08	0.084	0.084	104	104	89-114	0	20	
Selenium, Dissolved	mg/L	ND	.08	.08	0.084	0.085	105	106	85-117	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: WET/43408 | Analysis Method: SM 4500F/C
QC Batch Method: SM 4500F/C | Analysis Description: SM4500F-C Fluoride
Associated Lab Samples: 10316058018, 10316058019

METHOD BLANK: 2045865 | Matrix: Water
Associated Lab Samples: 10316058018, 10316058019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	1.0	08/08/15 13:35	

LABORATORY CONTROL SAMPLE: 2045866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	5	4.7	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2045867 2045868

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	0.95J	5	5	5.5	5.6	91	93	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2045869 2045870

Parameter	Units	10316268019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	0.27J	5	5	4.6	4.7	86	89	80-120	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: WETA/24007 | Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 | Analysis Description: 300.0 IC Anions
Associated Lab Samples: 10316058001, 10316058002, 10316058003, 10316058004, 10316058005, 10316058006, 10316058007, 10316058008, 10316058009, 10316058010

METHOD BLANK: 2034962 | Matrix: Water
Associated Lab Samples: 10316058001, 10316058002, 10316058003, 10316058004, 10316058005, 10316058006, 10316058007, 10316058008, 10316058009, 10316058010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.2	07/29/15 15:00	
Fluoride	mg/L	ND	0.050	07/29/15 15:00	
Nitrate as N	mg/L	ND	0.10	07/29/15 15:00	
Sulfate	mg/L	ND	1.2	07/29/15 15:00	

LABORATORY CONTROL SAMPLE: 2034963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	12.5	12.1	97	90-110	
Fluoride	mg/L	1	1.0	101	90-110	
Nitrate as N	mg/L	1	0.92	92	90-110	
Sulfate	mg/L	12.5	11.9	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2034964 2034965

Parameter	Units	10314966003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	12.5	12.5	12.1	12.1	94	95	90-110	0	20	
Fluoride	mg/L	ND	1	1	1.0	0.98	100	98	90-110	2	20	
Nitrate as N	mg/L	ND	1	1	0.92	0.92	89	89	90-110	0	20	M1
Sulfate	mg/L	ND	12.5	12.5	11.8	11.8	95	94	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035153 2035154

Parameter	Units	10316058010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	130	25	25	138	139	35	36	90-110	0	20	M1
Fluoride	mg/L	0.56	1	1	1.5	1.5	91	90	90-110	0	20	
Nitrate as N	mg/L	9.5	2	2	10.5	10.5	47	49	90-110	0	20	M1
Sulfate	mg/L	71.7	12.5	12.5	76.5	76.6	38	39	90-110	0	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: WETA/24033 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions
Associated Lab Samples: 10316058011, 10316058012, 10316058013, 10316058014, 10316058015, 10316058016, 10316058017, 10316058018, 10316058019

METHOD BLANK: 2036735 — Matrix: Water
Associated Lab Samples: 10316058011, 10316058012, 10316058013, 10316058014, 10316058015, 10316058016, 10316058017, 10316058018, 10316058019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.2	07/30/15 19:18	
Fluoride	mg/L	ND	0.050	07/30/15 19:18	
Nitrate as N	mg/L	ND	0.10	07/30/15 19:18	
Sulfate	mg/L	ND	1.2	07/30/15 19:18	

LABORATORY CONTROL SAMPLE: 2036736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	12.5	12.4	99	90-110	
Fluoride	mg/L	1	0.96	96	90-110	
Nitrate as N	mg/L	1	0.95	95	90-110	
Sulfate	mg/L	12.5	12.0	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036737 — 2036738

Parameter	Units	10316268001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	150	62.5	62.5	196	196	74	74	90-110	0	20	M1
Fluoride	mg/L	1.1	1	1	1.9	1.9	83	83	90-110	0	20	M1
Nitrate as N	mg/L	172	50	50	205	205	66	66	90-110	0	20	M6
Sulfate	mg/L	355	62.5	62.5	382	382	42	42	90-110	0	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036739 — 2036740

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	135	25	25	148	148	53	53	90-110	0	20	M1
Fluoride	mg/L	3.3	2	2	4.9	4.4	82	55	90-110	11	20	M1
Nitrate as N	mg/L	ND	1	1	0.96	0.94	91	90	90-110	1	20	
Sulfate	mg/L	100	25	25	118	118	71	72	90-110	0	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: WETA/24084 — Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 — Analysis Description: 350.1 Ammonia
Associated Lab Samples: 10316058001, 10316058002, 10316058003, 10316058004, 10316058005, 10316058006, 10316058007, 10316058008, 10316058009, 10316058010

METHOD BLANK: 2040629 — Matrix: Water
Associated Lab Samples: 10316058001, 10316058002, 10316058003, 10316058004, 10316058005, 10316058006, 10316058007, 10316058008, 10316058009, 10316058010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.040	08/04/15 17:58	

LABORATORY CONTROL SAMPLE: 2040630

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.99	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2040631 2040632

Parameter	Units	10316318001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	1	1	1.0	0.99	100	97	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2040633 2040634

Parameter	Units	10316058008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	1	1	0.96	0.98	96	98	90-110	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: WETA/24140 | Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 | Analysis Description: 350.1 Ammonia
Associated Lab Samples: 10316058011, 10316058012, 10316058013, 10316058014, 10316058015, 10316058016, 10316058017, 10316058018, 10316058019

METHOD BLANK: 2043337 | Matrix: Water
Associated Lab Samples: 10316058011, 10316058012, 10316058013, 10316058014, 10316058015, 10316058016, 10316058017, 10316058018, 10316058019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.040	08/10/15 10:16	

LABORATORY CONTROL SAMPLE: 2043338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.98	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2043339 2043340

Parameter	Units	10316268003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	1	1	0.94	0.93	94	93	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2043341 2043342

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	1.9	1	1	2.8	3.0	93	109	90-110	6	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: WETA/24012 | Analysis Method: SM 4500-P E
QC Batch Method: SM 4500-P E | Analysis Description: SM4500P-E, Phosphate, Ortho
Associated Lab Samples: 10316058001, 10316058002, 10316058003, 10316058004, 10316058005, 10316058006, 10316058007, 10316058008, 10316058009, 10316058010

METHOD BLANK: 2035218 | Matrix: Water
Associated Lab Samples: 10316058001, 10316058002, 10316058003, 10316058004, 10316058005, 10316058006, 10316058007, 10316058008, 10316058009, 10316058010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Orthophosphate as P	mg/L	ND	0.0050	07/29/15 17:28	

LABORATORY CONTROL SAMPLE: 2035219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	.1	0.10	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035220 2035221

Parameter	Units	10316058001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Orthophosphate as P	mg/L	0.052	.1	.1	0.14	0.14	88	88	80-120	0	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035222 2035223

Parameter	Units	10316058010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Orthophosphate as P	mg/L	0.38	.1	.1	0.40	0.47	16	91	80-120	17	30	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: RCRA
Pace Project No.: 10316058

QC Batch: WETA/24034 — Analysis Method: SM 4500-P E
QC Batch Method: SM 4500-P E — Analysis Description: SM4500P-E, Phosphate, Ortho
Associated Lab Samples: 10316058011, 10316058012, 10316058013, 10316058014, 10316058015, 10316058016, 10316058017, 10316058018, 10316058019

METHOD BLANK: 2036818 — Matrix: Water
Associated Lab Samples: 10316058011, 10316058012, 10316058013, 10316058014, 10316058015, 10316058016, 10316058017, 10316058018, 10316058019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Orthophosphate as P	mg/L	ND	0.0050	07/30/15 16:35	

LABORATORY CONTROL SAMPLE: 2036819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	.1	0.10	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036820 — 2036821

Parameter	Units	10316058011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Orthophosphate as P	mg/L	0.043	.1	.1	0.15	0.15	108	104	80-120	3	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036822 — 2036823

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Orthophosphate as P	mg/L	1.6	.1	.1	1.6	1.6	74	66	80-120	0	30	M6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALIFIERS

Project: RCRA
Pace Project No.: 10316058

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: RCRA
Pace Project No.: 10316058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10316058001	**507174**	EPA 3010	MPRP/56545	EPA 6010	ICP/24767
10316058002	**507177**	EPA 3010	MPRP/56545	EPA 6010	ICP/24767
10316058003	**507600**	EPA 3010	MPRP/56545	EPA 6010	ICP/24767
10316058004	**507154**	EPA 3010	MPRP/56545	EPA 6010	ICP/24767
10316058005	**507178**	EPA 3010	MPRP/56545	EPA 6010	ICP/24767
10316058006	**507173**	EPA 3010	MPRP/56545	EPA 6010	ICP/24767
10316058007	**507171**	EPA 3010	MPRP/56545	EPA 6010	ICP/24767
10316058008	**507180**	EPA 3010	MPRP/56545	EPA 6010	ICP/24767
10316058009	**507700**	EPA 3010	MPRP/56545	EPA 6010	ICP/24767
10316058010	**507172**	EPA 3010	MPRP/56545	EPA 6010	ICP/24767
10316058011	**507147**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316058012	**507148**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316058013	**507149**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316058014	**507128**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316058015	**507127**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316058016	**507126**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316058017	**507124**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316058018	**507131**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316058019	**507114 A,B,C**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316058018	**507131**	EPA 3010	MPRP/56593	EPA 6010	ICP/24786
10316058001	**507174**	EPA 3020	MPRP/56548	EPA 6020	ICPM/25665
10316058002	**507177**	EPA 3020	MPRP/56548	EPA 6020	ICPM/25665
10316058003	**507600**	EPA 3020	MPRP/56548	EPA 6020	ICPM/25665
10316058004	**507154**	EPA 3020	MPRP/56548	EPA 6020	ICPM/25665
10316058005	**507178**	EPA 3020	MPRP/56548	EPA 6020	ICPM/25665
10316058006	**507173**	EPA 3020	MPRP/56548	EPA 6020	ICPM/25665
10316058007	**507171**	EPA 3020	MPRP/56548	EPA 6020	ICPM/25665
10316058008	**507180**	EPA 3020	MPRP/56548	EPA 6020	ICPM/25665
10316058009	**507700**	EPA 3020	MPRP/56548	EPA 6020	ICPM/25665
10316058010	**507172**	EPA 3020	MPRP/56548	EPA 6020	ICPM/25665
10316058011	**507147**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316058012	**507148**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316058013	**507149**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316058014	**507128**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316058015	**507127**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316058016	**507126**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316058017	**507124**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316058018	**507131**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316058019	**507114 A,B,C**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316058018	**507131**	EPA 3020	MPRP/56596	EPA 6020	ICPM/25696
10316058018	**507131**	SM 4500F/C	WET/43408		
10316058019	**507114 A,B,C**	SM 4500F/C	WET/43408		
10316058001	**507174**	EPA 300.0	WETA/24007		
10316058002	**507177**	EPA 300.0	WETA/24007		
10316058003	**507600**	EPA 300.0	WETA/24007		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: RCRA
Pace Project No.: 10316058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10316058004	**507154**	EPA 300.0	WETA/24007		
10316058005	**507178**	EPA 300.0	WETA/24007		
10316058006	**507173**	EPA 300.0	WETA/24007		
10316058007	**507171**	EPA 300.0	WETA/24007		
10316058008	**507180**	EPA 300.0	WETA/24007		
10316058009	**507700**	EPA 300.0	WETA/24007		
10316058010	**507172**	EPA 300.0	WETA/24007		
10316058011	**507147**	EPA 300.0	WETA/24033		
10316058012	**507148**	EPA 300.0	WETA/24033		
10316058013	**507149**	EPA 300.0	WETA/24033		
10316058014	**507128**	EPA 300.0	WETA/24033		
10316058015	**507127**	EPA 300.0	WETA/24033		
10316058016	**507126**	EPA 300.0	WETA/24033		
10316058017	**507124**	EPA 300.0	WETA/24033		
10316058018	**507131**	EPA 300.0	WETA/24033		
10316058019	**507114 A,B,C**	EPA 300.0	WETA/24033		
10316058001	**507174**	EPA 350.1	WETA/24084		
10316058002	**507177**	EPA 350.1	WETA/24084		
10316058003	**507600**	EPA 350.1	WETA/24084		
10316058004	**507154**	EPA 350.1	WETA/24084		
10316058005	**507178**	EPA 350.1	WETA/24084		
10316058006	**507173**	EPA 350.1	WETA/24084		
10316058007	**507171**	EPA 350.1	WETA/24084		
10316058008	**507180**	EPA 350.1	WETA/24084		
10316058009	**507700**	EPA 350.1	WETA/24084		
10316058010	**507172**	EPA 350.1	WETA/24084		
10316058011	**507147**	EPA 350.1	WETA/24140		
10316058012	**507148**	EPA 350.1	WETA/24140		
10316058013	**507149**	EPA 350.1	WETA/24140		
10316058014	**507128**	EPA 350.1	WETA/24140		
10316058015	**507127**	EPA 350.1	WETA/24140		
10316058016	**507126**	EPA 350.1	WETA/24140		
10316058017	**507124**	EPA 350.1	WETA/24140		
10316058018	**507131**	EPA 350.1	WETA/24140		
10316058019	**507114 A,B,C**	EPA 350.1	WETA/24140		
10316058001	**507174**	SM 4500-P E	WETA/24012		
10316058002	**507177**	SM 4500-P E	WETA/24012		
10316058003	**507600**	SM 4500-P E	WETA/24012		
10316058004	**507154**	SM 4500-P E	WETA/24012		
10316058005	**507178**	SM 4500-P E	WETA/24012		
10316058006	**507173**	SM 4500-P E	WETA/24012		
10316058007	**507171**	SM 4500-P E	WETA/24012		
10316058008	**507180**	SM 4500-P E	WETA/24012		
10316058009	**507700**	SM 4500-P E	WETA/24012		
10316058010	**507172**	SM 4500-P E	WETA/24012		
10316058011	**507147**	SM 4500-P E	WETA/24034		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: RCRA
Pace Project No.: 10316058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10316058012	**507148**	SM 4500-P E	WETA/24034		
10316058013	**507149**	SM 4500-P E	WETA/24034		
10316058014	**507128**	SM 4500-P E	WETA/24034		
10316058015	**507127**	SM 4500-P E	WETA/24034		
10316058016	**507126**	SM 4500-P E	WETA/24034		
10316058017	**507124**	SM 4500-P E	WETA/24034		
10316058018	**507131**	SM 4500-P E	WETA/24034		
10316058019	**507114 A,B,C**	SM 4500-P E	WETA/24034		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

SHORT HOLD KJ 7/29/15

10316058

Page: 1 of 1

Section A Required Client Information:

Company:	FMC
Address:	PO BOX 4111
	POCATELLO, ID 83202
Email To:	brian.mcginnis@fmc.com
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Ericka Vallance, Hydrometrics
Copy To:	Rob Hartman, MWH
	Bruce Wallin, ECCI
Purchase Order No.:	
Project Name:	FMC
Project Number:	RCRA

Section C Invoice Information:

Attention:	Brian McGinnis
Company Name:	FMC
Address:	PO BOX 4111 POCATELLO ID 83202
Pace Quote Reference:	
Pace Project Manager:	Kabor Xiong
Pace Profile #:	26442 line# 4

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☑ RCRA ☐ OTHER _____

Site Location STATE: ID

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) **WQP	TOTAL METALS 6020	TOTAL METALS 6010	FLUORIDE (ISE)	TOTAL PHOS by ICP	Ammonia	Ortho Phos	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	507174	WT	G	--	--	7/28/15	0805		3	1	1	1						X	X	X			X	X		001
2	507177	WT	G	--	--		0850																			002
3	507600	WT	G	--	--		0920																			003
4	507154	WT	G	--	--		0930																			004
5	507178	WT	G	--	--		1010																			005
6	507173	WT	G	--	--		1105																			006
7	507171	WT	G	--	--		1155																			007
8	507180	WT	G	--	--		1245																			008
9	507700	WT	G	--	--		1355																			009
10	507172	WT	G	--	--		1425																			010
11	507	WT	G	--	--																					
12	507	WT	G	--	--																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Fed Ex Air Bill # 805816986071	Walter Crane / Hydrometrics	7/28/15	1500	[signature] - PACE	7/29/15	0930	0-4	Y	Y	Y
**WQP: 300.0- Cl, SO4, Nitrate, F										
6010: Cadmium, Potassium; 6020: Arsenic, Selenium										
Total Phos by ICP only on wells 108, 121, 122 & 123										

	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Walter Crane

SIGNATURE of SAMPLER: Walter Crane — DATE Signed (MM/DD/YY): 07/28/15

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: **F-MN-L-213-rev.13**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: FMC

Project #: **WO# : 10316058**

10316058

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 8058 1698 6071

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☐ Yes ☐ No

Thermometer Used: ☐ B88A9130516413 ☑ B88A912167504 ☐ B88A0143310098 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 0.4 **Cooler Temp Corrected (°C):** 0.4 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Correction Factor:** true **Date and Initials of Person Examining Contents:** KG 7/29/15

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☑ Yes	☐ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☑ H_2SO_4 ☐ NaOH ☐ HCl Sample # 1-10 1/1 1/1
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes	☐ No	☑ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Karla Xiong **Date:** July 29, 2015

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10316058

Page: 1 of 2

Section A Required Client Information:

Company:	FMC
Address:	PO BOX 4111
	POCATELLO, ID 83202
Email To:	brian.mcginnis@fmc.com
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Ericka Vallance, Hydrometrics
Copy To:	Rob Hartman, MWH
	Bruce Wallin, ECCI
Purchase Order No.:	
Project Name:	FMC
Project Number:	RCRA

Section C Invoice Information:

Attention:	Brian McGinnis
Company Name:	FMC
Address:	PO BOX 4111 POCATELLO ID 83202
Pace Quote Reference:	
Pace Project Manager:	Kabor Xiong
Pace Profile #:	26442 line# 4

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☑ RCRA ☐ OTHER _____

Site Location STATE: ID

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	**WQP	TOTAL METALS 6020	TOTAL METALS 6010	FLUORIDE (ISE)	TOTAL PHOS by ICP	Ammonia	Ortho Phos	Dis. Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	507 147	WT	G	--	--	7/28/15	1605		3	1	1	1							X	X	X			X	X			7/31/15 001 011
2	507 148	WT	G	--	--		1645																					002 012
3	507 149	WT	G	--	--		1740																					003 013
4	507 128	WT	G	--	--		1820																					004 014
5	507 127	WT	G	--	--	7/29/15	0745																					005 015
6	507 126	WT	G	--	--		0820																					054 016
7	507 124	WT	G	--	--		0900																					017
8	507 131	WT	G	--	--		1000		5													X			X			008 018
9	507 114A	WT	G	--	--		1110		4													X			1 extra ISE FL for lab QA			009 019
10	~~507 114B~~	WT	G	--	--																							
11	507	WT	G	--	--																							
12	507	WT	G	--	--																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Fed Ex Air Bill # 8058 1698 6082	Walter Crane / Hydrometrics	7/29/15	16:15	[signature] Pace	7/30/15	10:00	0.7, 2.3	Y	N	Y
**WQP: 300.0- Cl, SO4, Nitrate, F										
6010: Cadmium, Potassium; 6020: Arsenic, Selenium										
Total Phos by ICP only on wells 108, 121, 122 & 123										

Dis. Metals were field filtered

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Walter Crane		
SIGNATURE of SAMPLER:	Walter Crane	DATE Signed (MM/DD/YY):	07/29/15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company:	FMC
Address:	PO BOX 4111
	POCATELLO, ID 83202
Email To:	~~brian.mcginnis@fmc.com~~
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Ericka Vallance, Hydrometrics
Copy To:	Rob Hartman, MWH
	Bruce Wallin, ECCI
Purchase Order No.:	
Project Name:	FMC
Project Number:	RCRA

Section C Invoice Information:

Attention:	Brian McGinnis
Company Name:	FMC
Address:	PO BOX 4111 POCATELLO ID 83202
Pace Quote Reference:	
Pace Project Manager:	Kabor Xiong
Pace Profile #:	26442 line# 4

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☑ RCRA ☐ OTHER

Site Location STATE: ID

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	**WQP	TOTAL METALS 6020	TOTAL METALS 6010	FLUORIDE (ISE)	TOTAL PHOS by ICP	Ammonia	Ortho Phos	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	507 114B	WT	G	--	--	7/29/15	11:10		4	X	X	X							X	X	X	X		X	X		73015 TM 009 014
2	507 114C	WT	G	--	--		11:10		4										X	X	X	X		X	X		009 019
3	507 115	WT	G	--	--		12:00		3																		
4	507 166	WT	G	--	--		12:40		3																		
5	507 113	WT	G	--	--		13:20		3																		
6	507 168	WT	G	--	--		14:50		3																		
7	507 CDI	WT	G	--	--		15:25		3																		
8	507 701	WT	G	--	--		15:40		3																		
9	507 104	WT	G	--	--		15:50		3																		
10	507	WT	G	--	--																						
11	507	WT	G	--	--																						
12	507	WT	G	--	--																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
Fed Ex Air Bill # 8058 1698 6093	Walter Crane/Hydrometrics	7/29/15	16:15	Pace	7/30/15	1000	3.7,23 Y	N	Y
**WQP: 300.0- Cl, SO4, Nitrate, F									
6010: Cadmium, Potassium; 6020: Arsenic, Selenium									
Total Phos by ICP only on wells 108, 121, 122 & 123									

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Walter Crane					
SIGNATURE of SAMPLER:	Walter Crane	DATE Signed (MM/DD/YY): 07/29/15				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: F-MN-L-213-rev.13	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: FMC

Project #: WO#: 10316058

10316058

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 805816986082 805816986093

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☑ Yes ☐ No

Thermometer Used: ☐ B88A9130516413 ☑ B88A912167504 ☐ B88A0143310098 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 0.7 2.3 **Cooler Temp Corrected (°C):** 0.7 2.3 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Correction Factor:** tnr **Date and Initials of Person Examining Contents:** JM 7/30 7/30/15 JM 7/30/15

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	JM 7/30 ☑ Yes	☑ No	☐ N/A	6. Ortho Phos
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☑ Yes	☐ No	☑ N/A JM 7/30/15	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	12.
-Includes Date/Time/ID/Analysis Matrix: WT				
All containers needing acid/base preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☑ HNO_3 2/2 ☑ H_2SO_4 1/1 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	Sample # 1 - 18 JM 7/30/15 11
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes	☐ No	☑ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Karla Xiong **Date:** July 30, 2015

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

August 13, 2015

Ericka Vallance
Hydrometrics
3020 Bozeman Ave
Helena, MT 59601

RE: Project: FMC RCRA
Pace Project No.: 10316268

Dear Ericka Vallance:
Enclosed are the analytical results for sample(s) received by the laboratory between July 30, 2015 and July 31, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kabor Xiong

Kabor Xiong
kabor.xiong@pacelabs.com
Project Manager

Enclosures

cc: Rob Hartman, MWH Americas, Inc.
Bradly Maddock, FMC
Carrie Ross, FMC
Bruce Wallin, ECCI

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

CERTIFICATIONS

Project: FMC RCRA
Pace Project No.: 10316268

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

Virginia Minnesota Certification ID's

315 Chestnut Street, Virginia, MN 55792
Alaska Certification #MN01084
Arizona Department of Health Certification #AZ0785
Minnesota Dept of Health Certification #: 027-137-445
North Dakota Certification: # R-203
Wisconsin DNR Certification # : 998027470
WA Department of Ecology Lab ID# C1007
Nevada DNR #MN010842015-1

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

SAMPLE SUMMARY

Project: FMC RCRA
Pace Project No.: 10316268

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10316268001	**507115**	Water	07/29/15 12:00	07/30/15 10:00
10316268002	**507166**	Water	07/29/15 12:40	07/30/15 10:00
10316268003	**507113**	Water	07/29/15 13:20	07/30/15 10:00
10316268004	**507168**	Water	07/29/15 14:50	07/30/15 10:00
10316268005	**507CDI**	Water	07/29/15 15:25	07/30/15 10:00
10316268006	**507701**	Water	07/29/15 15:40	07/30/15 10:00
10316268007	**507104**	Water	07/29/15 15:50	07/30/15 10:00
10316268008	**507165**	Water	07/29/15 17:40	07/31/15 10:00
10316268009	**507167**	Water	07/29/15 18:20	07/31/15 10:00
10316268010	**507158**	Water	07/29/15 19:05	07/31/15 10:00
10316268011	**507183**	Water	07/30/15 08:05	07/31/15 10:00
10316268012	**507121A**	Water	07/30/15 08:50	07/31/15 10:00
10316268013	**507108A**	Water	07/30/15 09:30	07/31/15 10:00
10316268014	**507123 A,B,C**	Water	07/30/15 10:15	07/31/15 10:00
10316268015	**507122**	Water	07/30/15 11:00	07/31/15 10:00
10316268016	**507155**	Water	07/30/15 12:00	07/31/15 10:00
10316268017	**507156**	Water	07/30/15 12:40	07/31/15 10:00
10316268018	**507601**	Water	07/30/15 13:05	07/31/15 10:00
10316268019	**507157 A,B,C**	Water	07/30/15 13:30	07/31/15 10:00
10316268020	**507BTS**	Water	07/30/15 14:00	07/31/15 10:00

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

SAMPLE ANALYTE COUNT

Project: FMC RCRA
Pace Project No.: 10316268

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10316268001	**507115**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316268002	**507166**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316268003	**507113**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316268004	**507168**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316268005	**507CDI**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316268006	**507701**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316268007	**507104**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	PH1	1	PASI-M
10316268008	**507165**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

SAMPLE ANALYTE COUNT

Project: FMC RCRA
Pace Project No.: 10316268

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268009	**507167**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268010	**507158**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268011	**507183**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268012	**507121A**	EPA 6010	IP	2	PASI-M
		EPA 6010C	MAR	1	PASI-V
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268013	**507108A**	EPA 6010	IP	2	PASI-M
		EPA 6010C	MAR	1	PASI-V
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268014	**507123 A,B,C**	EPA 6010	IP	2	PASI-M
		EPA 6010C	MAR	1	PASI-V
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268015	**507122**	EPA 6010	IP	2	PASI-M

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

SAMPLE ANALYTE COUNT

Project: FMC RCRA
Pace Project No.: 10316268

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010C	MAR	1	PASI-V
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268016	**507155**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		SM 4500F/C	JFP	1	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268017	**507156**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		SM 4500F/C	JFP	1	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268018	**507601**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		SM 4500F/C	JFP	1	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268019	**507157 A,B,C**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		SM 4500F/C	JFP	1	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M
10316268020	**507BTS**	EPA 6010	IP	2	PASI-M
		EPA 6020	RJS	2	PASI-M
		EPA 300.0	KEO	4	PASI-M
		EPA 350.1	PH1	1	PASI-M
		SM 4500-P E	MWD	1	PASI-M

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 6010**
Description: 6010 MET ICP
Client: FMC
Date: August 13, 2015

General Information:
20 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/56575

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2038938)
  - Potassium
- MSD (Lab ID: 2038939)
  - Potassium

QC Batch: MPRP/56634

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316268014,10316268019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2038903)
  - Potassium
- MSD (Lab ID: 2038902)
  - Potassium
- MSD (Lab ID: 2038904)
  - Potassium

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 6010C**
Description: 6010C MET ICP
Client: FMC
Date: August 13, 2015

General Information:
4 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 6020**
Description: 6020 MET ICPMS
Client: FMC
Date: August 13, 2015

General Information:
20 samples were analyzed for EPA 6020. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3020 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **SM 4500F/C**
Description: SM4500F-C Fluoride
Client: FMC
Date: August 13, 2015

General Information:
4 samples were analyzed for SM 4500F/C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: FMC
Date: August 13, 2015

General Information:
20 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/24033

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019,10316268001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2036737)
  - Chloride
  - Fluoride
  - Sulfate
- MS (Lab ID: 2036739)
  - Chloride
  - Fluoride
  - Sulfate
- MSD (Lab ID: 2036738)
  - Chloride
  - Fluoride
  - Sulfate
- MSD (Lab ID: 2036740)
  - Chloride
  - Fluoride
  - Sulfate

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 2036737)
  - Nitrate as N

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: FMC
Date: August 13, 2015

QC Batch: WETA/24033

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019,10316268001

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MSD (Lab ID: 2036738)
  - Nitrate as N

QC Batch: WETA/24059

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316268014,10316268019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2039518)
  - Chloride
  - Fluoride
  - Nitrate as N
- MS (Lab ID: 2039520)
  - Chloride
  - Nitrate as N
  - Sulfate
- MSD (Lab ID: 2039519)
  - Chloride
  - Fluoride
  - Nitrate as N
- MSD (Lab ID: 2039521)
  - Chloride
  - Nitrate as N
  - Sulfate

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 2039518)
  - Sulfate
- MSD (Lab ID: 2039519)
  - Sulfate

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **EPA 350.1**
Description: 350.1 Ammonia
Client: FMC
Date: August 13, 2015

General Information:
20 samples were analyzed for EPA 350.1. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/24218

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316268014,10316268019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 2048408)
  - Nitrogen, Ammonia

Additional Comments:

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

PROJECT NARRATIVE

Project: FMC RCRA
Pace Project No.: 10316268

Method: **SM 4500-P E**
Description: Phosphate, Ortho Low Level
Client: FMC
Date: August 13, 2015

General Information:
20 samples were analyzed for SM 4500-P E. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/24034

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058011,10316058019

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 2036822)
  - Orthophosphate as P
- MSD (Lab ID: 2036823)
  - Orthophosphate as P

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507115 **Lab ID: 10316268001** Collected: 07/29/15 12:00 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.0097**	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 01:16	7440-43-9	
Potassium	**20.0**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 01:16	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.24**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 03:39	7440-38-2	
Selenium	**0.0038**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 03:39	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**150**	mg/L	6.0	3.0	5		07/31/15 02:48	16887-00-6	M1
Fluoride	**1.1**	mg/L	0.050	0.0036	1		07/30/15 16:46	16984-48-8	M1
Nitrate as N	**172**	mg/L	5.0	2.5	50		07/30/15 17:16	14797-55-8	M6
Sulfate	**355**	mg/L	6.0	3.0	5		07/31/15 02:48	14808-79-8	M1
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.088**	mg/L	0.040	0.020	1		08/10/15 10:20	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**3.4**	mg/L	0.10	0.035	20		07/30/15 16:29		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507166 **Lab ID: 10316268002** Collected: 07/29/15 12:40 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.00096J**	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 01:22	7440-43-9	
Potassium	**45.7**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 01:22	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.018**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 03:43	7440-38-2	
Selenium	**0.0057**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 03:43	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**257**	mg/L	24.0	12.0	20		07/30/15 23:09	16887-00-6	
Fluoride	**0.67**	mg/L	0.050	0.0036	1		07/30/15 20:48	16984-48-8	
Nitrate as N	**43.4**	mg/L	2.0	1.0	20		07/30/15 23:09	14797-55-8	
Sulfate	**237**	mg/L	24.0	12.0	20		07/30/15 23:09	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:22	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.31**	mg/L	0.010	0.0035	2		07/30/15 16:32		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507113 **Lab ID: 10316268003** Collected: 07/29/15 13:20 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.0017J**	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 01:28	7440-43-9	
Potassium	**21.1**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 01:28	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.026**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 03:48	7440-38-2	
Selenium	**0.0034**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 03:48	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**125**	mg/L	2.4	1.2	2		07/31/15 00:03	16887-00-6	
Fluoride	**0.45**	mg/L	0.050	0.0036	1		07/30/15 21:34	16984-48-8	
Nitrate as N	**9.2**	mg/L	0.20	0.10	2		07/31/15 00:03	14797-55-8	
Sulfate	**86.6**	mg/L	1.2	0.60	1		07/30/15 21:34	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.40	0.20	10		08/10/15 16:04	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.24**	mg/L	0.010	0.0035	2		07/30/15 16:33		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507168 **Lab ID: 10316268004** Collected: 07/29/15 14:50 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.0010J**	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 01:33	7440-43-9	
Potassium	**25.0**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 01:33	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.022**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 03:52	7440-38-2	
Selenium	**0.064**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 03:52	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**53.9**	mg/L	1.2	0.60	1		07/30/15 21:49	16887-00-6	
Fluoride	**3.7**	mg/L	0.050	0.0036	1		07/30/15 21:49	16984-48-8	
Nitrate as N	**22.3**	mg/L	1.0	0.50	10		07/30/15 23:27	14797-55-8	
Sulfate	**1320**	mg/L	24.0	12.0	20		07/31/15 04:42	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.44**	mg/L	0.040	0.020	1		08/10/15 10:25	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.11**	mg/L	0.0050	0.0017	1		07/30/15 16:22		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507CDI **Lab ID: 10316268005** Collected: 07/29/15 15:25 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 01:39	7440-43-9	
Potassium	**0.28J**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 01:39	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	ND	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 03:56	7440-38-2	
Selenium	ND	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 03:56	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	ND	mg/L	1.2	0.60	1		07/30/15 22:04	16887-00-6	
Fluoride	ND	mg/L	0.050	0.0036	1		07/30/15 22:04	16984-48-8	
Nitrate as N	ND	mg/L	0.10	0.050	1		07/30/15 22:04	14797-55-8	
Sulfate	ND	mg/L	1.2	0.60	1		07/30/15 22:04	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:27	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	ND	mg/L	0.0050	0.0017	1		07/30/15 16:23		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507701 **Lab ID: 10316268006** Collected: 07/29/15 15:40 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 01:43	7440-43-9	
Potassium	**0.14J**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 01:43	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	ND	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 04:01	7440-38-2	
Selenium	ND	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 04:01	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	ND	mg/L	1.2	0.60	1		07/30/15 22:19	16887-00-6	
Fluoride	ND	mg/L	0.050	0.0036	1		07/30/15 22:19	16984-48-8	
Nitrate as N	ND	mg/L	0.10	0.050	1		07/30/15 22:19	14797-55-8	
Sulfate	ND	mg/L	1.2	0.60	1		07/30/15 22:19	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/10/15 10:29	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	ND	mg/L	0.0050	0.0017	1		07/30/15 16:24		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507104 **Lab ID: 10316268007** Collected: 07/29/15 15:50 Received: 07/30/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.0017J**	mg/L	0.0030	0.00065	1	08/01/15 14:53	08/03/15 01:47	7440-43-9	
Potassium	**313**	mg/L	2.5	0.13	1	08/01/15 14:53	08/03/15 01:47	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.036**	mg/L	0.00050	0.00011	1	08/01/15 14:37	08/07/15 04:06	7440-38-2	
Selenium	**0.0031**	mg/L	0.00050	0.00020	1	08/01/15 14:37	08/07/15 04:06	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**109**	mg/L	12.0	6.0	10		07/30/15 23:44	16887-00-6	
Fluoride	**2.9**	mg/L	0.050	0.0036	1		07/30/15 22:34	16984-48-8	
Nitrate as N	**19.0**	mg/L	1.0	0.50	10		07/30/15 23:44	14797-55-8	
Sulfate	**126**	mg/L	12.0	6.0	10		07/30/15 23:44	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**3.2**	mg/L	0.080	0.040	2		08/10/15 11:53	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**1.1**	mg/L	0.050	0.017	10		07/30/15 16:34		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507165 **Lab ID: 10316268008** Collected: 07/29/15 17:40 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 17:00	7440-43-9	
Potassium	**13.2**	mg/L	2.5	0.13	1	08/02/15 15:28	08/04/15 22:50	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.023**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 16:55	7440-38-2	
Selenium	**0.0064**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 16:55	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**310**	mg/L	6.0	3.0	5		07/31/15 22:39	16887-00-6	
Fluoride	**0.21**	mg/L	0.050	0.0036	1		07/31/15 15:33	16984-48-8	
Nitrate as N	**4.9**	mg/L	0.10	0.050	1		07/31/15 15:33	14797-55-8	
Sulfate	**193**	mg/L	6.0	3.0	5		07/31/15 22:39	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 15:50	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.28**	mg/L	0.050	0.017	10		07/31/15 16:57		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507167 **Lab ID: 10316268009** Collected: 07/29/15 18:20 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.00090J**	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 17:07	7440-43-9	
Potassium	**13.1**	mg/L	2.5	0.13	1	08/02/15 15:28	08/04/15 22:56	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.044**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 16:59	7440-38-2	
Selenium	**0.0019**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 16:59	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**142**	mg/L	2.4	1.2	2		07/31/15 22:58	16887-00-6	
Fluoride	**0.93**	mg/L	0.050	0.0036	1		07/31/15 15:48	16984-48-8	
Nitrate as N	**0.061J**	mg/L	0.10	0.050	1		07/31/15 15:48	14797-55-8	
Sulfate	**149**	mg/L	2.4	1.2	2		07/31/15 22:58	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 15:51	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**5.5**	mg/L	0.50	0.17	100		07/31/15 16:58		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507158 **Lab ID: 10316268010** Collected: 07/29/15 19:05 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 17:13	7440-43-9	
Potassium	**20.6**	mg/L	2.5	0.13	1	08/02/15 15:28	08/04/15 23:03	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.012**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:04	7440-38-2	
Selenium	**0.0048**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:04	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**105**	mg/L	12.0	6.0	10		07/31/15 23:46	16887-00-6	
Fluoride	**0.16**	mg/L	0.050	0.0036	1		07/31/15 16:03	16984-48-8	
Nitrate as N	**3.0**	mg/L	0.10	0.050	1		07/31/15 16:03	14797-55-8	
Sulfate	**578**	mg/L	12.0	6.0	10		07/31/15 23:46	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 15:52	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.10**	mg/L	0.0050	0.0017	1		07/31/15 16:59		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507183 **Lab ID: 10316268011** Collected: 07/30/15 08:05 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 17:20	7440-43-9	
Potassium	**13.5**	mg/L	2.5	0.13	1	08/02/15 15:28	08/04/15 23:09	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.015**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:08	7440-38-2	
Selenium	**0.0043**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:08	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**103**	mg/L	6.0	3.0	5		08/01/15 00:03	16887-00-6	
Fluoride	**0.32**	mg/L	0.050	0.0036	1		07/31/15 16:18	16984-48-8	
Nitrate as N	**1.8**	mg/L	0.10	0.050	1		07/31/15 16:18	14797-55-8	
Sulfate	**215**	mg/L	6.0	3.0	5		08/01/15 00:03	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 15:53	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.070**	mg/L	0.0050	0.0017	1		07/31/15 17:00		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507121A **Lab ID: 10316268012** Collected: 07/30/15 08:50 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3010								
Phosphorus	**814**	ug/L	100	12.9	1	08/07/15 11:54	08/11/15 09:51	7723-14-0	
Cadmium	ND	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 17:26	7440-43-9	
Potassium	**61.1**	mg/L	2.5	0.13	1	08/02/15 15:28	08/04/15 23:16	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0088**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:27	7440-38-2	
Selenium	**0.014**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:27	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**509**	mg/L	12.0	6.0	10		08/01/15 00:21	16887-00-6	
Fluoride	**0.16**	mg/L	0.050	0.0036	1		07/31/15 16:34	16984-48-8	
Nitrate as N	**17.8**	mg/L	1.0	0.50	10		08/01/15 00:21	14797-55-8	
Sulfate	**400**	mg/L	12.0	6.0	10		08/01/15 00:21	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 15:53	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.78**	mg/L	0.050	0.017	10		07/31/15 17:01		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507108A **Lab ID: 10316268013** Collected: 07/30/15 09:30 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3010								
Phosphorus	**669**	ug/L	100	12.9	1	08/07/15 11:54	08/11/15 09:54	7723-14-0	
Cadmium	ND	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 17:33	7440-43-9	
Potassium	**133**	mg/L	2.5	0.13	1	08/02/15 15:28	08/04/15 23:23	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.021**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:31	7440-38-2	
Selenium	**0.014**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:31	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**420**	mg/L	12.0	6.0	10		08/01/15 00:38	16887-00-6	
Fluoride	**0.47**	mg/L	0.050	0.0036	1		07/31/15 16:49	16984-48-8	
Nitrate as N	**18.6**	mg/L	1.0	0.50	10		08/01/15 00:38	14797-55-8	
Sulfate	**355**	mg/L	12.0	6.0	10		08/01/15 00:38	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 15:55	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.63**	mg/L	0.050	0.017	10		07/31/15 17:02		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507123 A,B,C **Lab ID: 10316268014** Collected: 07/30/15 10:15 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3010								
Phosphorus	**573**	ug/L	100	12.9	1	08/07/15 11:54	08/11/15 09:57	7723-14-0	
Cadmium	**0.0047**	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 17:47	7440-43-9	
Potassium	**26.4**	mg/L	2.5	0.13	1	08/02/15 15:28	08/10/15 08:43	7440-09-7	M1
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.17**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:49	7440-38-2	
Selenium	**0.14**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:49	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**91.4**	mg/L	1.2	0.60	1		07/31/15 15:03	16887-00-6	M1
Fluoride	**0.95**	mg/L	0.050	0.0036	1		07/31/15 15:03	16984-48-8	M1
Nitrate as N	**2.8**	mg/L	0.10	0.050	1		07/31/15 15:03	14797-55-8	M1
Sulfate	**505**	mg/L	12.0	6.0	10		07/31/15 19:50	14808-79-8	M6
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**3.5**	mg/L	0.080	0.040	2		08/12/15 17:10	7664-41-7	M1
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.58**	mg/L	0.050	0.017	10		07/31/15 17:04		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507122 **Lab ID: 10316268015** Collected: 07/30/15 11:00 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3010								
Phosphorus	**10300**	ug/L	100	12.9	1	08/07/15 11:54	08/11/15 10:13	7723-14-0	
Cadmium	**0.0013J**	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 18:13	7440-43-9	
Potassium	**123**	mg/L	2.5	0.13	1	08/02/15 15:28	08/10/15 09:09	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.050**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:36	7440-38-2	
Selenium	**0.0080**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:36	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**309**	mg/L	12.0	6.0	10		08/01/15 00:56	16887-00-6	
Fluoride	**0.066**	mg/L	0.050	0.0036	1		07/31/15 17:34	16984-48-8	
Nitrate as N	**18.6**	mg/L	1.0	0.50	10		08/01/15 00:56	14797-55-8	
Sulfate	**348**	mg/L	12.0	6.0	10		08/01/15 00:56	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 16:00	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**10.5**	mg/L	0.50	0.17	100		07/31/15 17:07		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507155 **Lab ID: 10316268016** Collected: 07/30/15 12:00 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.0028J**	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 18:19	7440-43-9	
Potassium	**411**	mg/L	2.5	0.13	1	08/02/15 15:28	08/10/15 09:16	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.095**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:40	7440-38-2	
Selenium	**0.0048**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:40	7782-49-2	
SM4500F-C Fluoride	Analytical Method: SM 4500F/C								
Fluoride	**0.18J**	mg/L	1.0	0.051	1		08/08/15 14:03	16984-48-8	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**193**	mg/L	6.0	3.0	5		08/01/15 01:14	16887-00-6	
Fluoride	**0.13**	mg/L	0.050	0.0036	1		07/31/15 17:49	16984-48-8	
Nitrate as N	**5.6**	mg/L	0.10	0.050	1		07/31/15 17:49	14797-55-8	
Sulfate	**246**	mg/L	6.0	3.0	5		08/01/15 01:14	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.39**	mg/L	0.040	0.020	1		08/12/15 16:01	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**17.2**	mg/L	1.2	0.44	250		07/31/15 17:08		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507156 **Lab ID: 10316268017** Collected: 07/30/15 12:40 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.0045**	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 18:26	7440-43-9	
Potassium	**1210**	mg/L	25.0	1.3	10	08/02/15 15:28	08/10/15 09:22	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.14**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:45	7440-38-2	
Selenium	**0.00023J**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:45	7782-49-2	
SM4500F-C Fluoride	Analytical Method: SM 4500F/C								
Fluoride	**0.12J**	mg/L	1.0	0.051	1		08/08/15 14:24	16984-48-8	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**345**	mg/L	6.0	3.0	5		08/01/15 01:31	16887-00-6	
Fluoride	**41.6**	mg/L	2.5	0.18	50		08/01/15 08:49	16984-48-8	
Nitrate as N	ND	mg/L	0.10	0.050	1		07/31/15 18:04	14797-55-8	
Sulfate	**249**	mg/L	6.0	3.0	5		08/01/15 01:31	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**9.8**	mg/L	0.40	0.20	10		08/12/15 18:18	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**181**	mg/L	12.5	4.4	2500		07/31/15 17:16		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507601 **Lab ID: 10316268018** Collected: 07/30/15 13:05 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.0048**	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 18:32	7440-43-9	
Potassium	**1240**	mg/L	25.0	1.3	10	08/02/15 15:28	08/10/15 09:27	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.14**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 18:23	7440-38-2	
Selenium	**0.00028J**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 18:23	7782-49-2	
SM4500F-C Fluoride	Analytical Method: SM 4500F/C								
Fluoride	**0.10J**	mg/L	1.0	0.051	1		08/08/15 14:34	16984-48-8	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**344**	mg/L	6.0	3.0	5		08/01/15 02:06	16887-00-6	
Fluoride	**41.8**	mg/L	2.5	0.18	50		08/01/15 09:07	16984-48-8	
Nitrate as N	ND	mg/L	0.10	0.050	1		07/31/15 18:19	14797-55-8	
Sulfate	**248**	mg/L	6.0	3.0	5		08/01/15 02:06	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**9.9**	mg/L	0.40	0.20	10		08/12/15 18:18	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**190**	mg/L	12.5	4.4	2500		07/31/15 17:16		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507157 A,B,C **Lab ID: 10316268019** Collected: 07/30/15 13:30 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	**0.0028J**	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 18:45	7440-43-9	
Potassium	**299**	mg/L	2.5	0.13	1	08/02/15 15:28	08/10/15 09:38	7440-09-7	M1
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.090**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 18:31	7440-38-2	
Selenium	ND	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 18:31	7782-49-2	
SM4500F-C Fluoride	Analytical Method: SM 4500F/C								
Fluoride	**0.27J**	mg/L	1.0	0.051	1		08/08/15 14:59	16984-48-8	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**241**	mg/L	6.0	3.0	5		07/31/15 21:06	16887-00-6	M1
Fluoride	**27.6**	mg/L	5.0	0.36	100		07/31/15 21:51	16984-48-8	
Nitrate as N	ND	mg/L	0.10	0.050	1		07/31/15 15:18	14797-55-8	M1
Sulfate	**303**	mg/L	6.0	3.0	5		07/31/15 21:06	14808-79-8	M1
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**2.3**	mg/L	0.080	0.040	2		08/12/15 17:19	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**44.2**	mg/L	2.5	0.87	500		07/31/15 17:10		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

ANALYTICAL RESULTS

Project: FMC RCRA
Pace Project No.: 10316268

Sample: 507BTS **Lab ID: 10316268020** Collected: 07/30/15 14:00 Received: 07/31/15 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Cadmium	ND	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 19:10	7440-43-9	
Potassium	**6.8**	mg/L	2.5	0.13	1	08/02/15 15:28	08/10/15 10:04	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3020								
Arsenic	**0.0046**	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 18:27	7440-38-2	
Selenium	**0.0012**	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 18:27	7782-49-2	
300.0 IC Anions	Analytical Method: EPA 300.0								
Chloride	**30.2**	mg/L	1.2	0.60	1		07/31/15 18:35	16887-00-6	
Fluoride	**0.54**	mg/L	0.050	0.0036	1		07/31/15 18:35	16984-48-8	
Nitrate as N	**2.8**	mg/L	0.10	0.050	1		07/31/15 18:35	14797-55-8	
Sulfate	**58.8**	mg/L	1.2	0.60	1		07/31/15 18:35	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 16:06	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	**0.76**	mg/L	0.050	0.017	10		07/31/15 17:15		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: MPRP/5663 Analysis Method: EPA 6010C
QC Batch Method: EPA 3010 Analysis Description: 6010C MET
Associated Lab Samples: 10316268012, 10316268013, 10316268014, 10316268015

METHOD BLANK: 235906 Matrix: Water
Associated Lab Samples: 10316268012, 10316268013, 10316268014, 10316268015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	ug/L	ND	100	08/11/15 09:45	

LABORATORY CONTROL SAMPLE: 235907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	ug/L	5000	5260	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 235908 235909

Parameter	Units	10316268014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	ug/L	573	5000	5000	6020	6010	109	109	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: MPRP/56575 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 10316268001, 10316268002, 10316268003, 10316268004, 10316268005, 10316268006, 10316268007

METHOD BLANK: 2036713 Matrix: Water
Associated Lab Samples: 10316268001, 10316268002, 10316268003, 10316268004, 10316268005, 10316268006, 10316268007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	mg/L	ND	0.0030	08/03/15 01:09	
Potassium	mg/L	ND	2.5	08/03/15 01:09	

LABORATORY CONTROL SAMPLE: 2036714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/L	1	1.0	103	86-108	
Potassium	mg/L	10	10.0	100	85-108	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2038938 2038939

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	mg/L	0.0048	1	1	1.0	1.1	102	108	83-112	6	20	
Potassium	mg/L	37.4	10	10	51.4	55.0	140	176	82-118	7	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: MPRP/56634 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 10316268008, 10316268009, 10316268010, 10316268011, 10316268012, 10316268013, 10316268014, 10316268015, 10316268016, 10316268017, 10316268018, 10316268019, 10316268020

METHOD BLANK: 2038851 — Matrix: Water
Associated Lab Samples: 10316268008, 10316268009, 10316268010, 10316268011, 10316268012, 10316268013, 10316268014, 10316268015, 10316268016, 10316268017, 10316268018, 10316268019, 10316268020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	mg/L	ND	0.0030	08/06/15 16:52	
Potassium	mg/L	ND	2.5	08/04/15 22:41	

LABORATORY CONTROL SAMPLE: 2038852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/L	1	1.0	101	86-108	
Potassium	mg/L	10	9.7	97	85-108	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2038901 2038902

Parameter	Units	10316268014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	mg/L	0.0047	1	1	1.1	1.0	107	103	83-112	3	20	
Potassium	mg/L	26.4	10	10	38.0	40.4	115	140	82-118	6	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2038903 2038904

Parameter	Units	10316268019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	mg/L	0.0028J	1	1	1.0	1.1	103	107	83-112	5	20	
Potassium	mg/L	299	10	10	290	315	-82	162	82-118	8	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: MPRP/56577 | Analysis Method: EPA 6020
QC Batch Method: EPA 3020 | Analysis Description: 6020 MET
Associated Lab Samples: 10316268001, 10316268002, 10316268003, 10316268004, 10316268005, 10316268006, 10316268007

METHOD BLANK: 2036727 | Matrix: Water
Associated Lab Samples: 10316268001, 10316268002, 10316268003, 10316268004, 10316268005, 10316268006, 10316268007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.00050	08/07/15 03:34	
Selenium	mg/L	ND	0.00050	08/07/15 03:34	

LABORATORY CONTROL SAMPLE: 2036728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.08	0.082	103	92-110	
Selenium	mg/L	.08	0.085	106	93-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2038583 2038584

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.12	.08	.08	0.21	0.21	112	110	89-114	1	20	
Selenium	mg/L	0.0021	.08	.08	0.088	0.087	107	107	85-117	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: MPRP/56636 — Analysis Method: EPA 6020
QC Batch Method: EPA 3020 — Analysis Description: 6020 MET
Associated Lab Samples: 10316268008, 10316268009, 10316268010, 10316268011, 10316268012, 10316268013, 10316268014, 10316268015, 10316268016, 10316268017, 10316268018, 10316268019, 10316268020

METHOD BLANK: 2038860 — Matrix: Water
Associated Lab Samples: 10316268008, 10316268009, 10316268010, 10316268011, 10316268012, 10316268013, 10316268014, 10316268015, 10316268016, 10316268017, 10316268018, 10316268019, 10316268020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.00050	08/07/15 16:32	
Selenium	mg/L	ND	0.00050	08/07/15 16:32	

LABORATORY CONTROL SAMPLE: 2038861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.08	0.082	102	92-110	
Selenium	mg/L	.08	0.081	102	93-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2038895 2038896

Parameter	Units	10316268014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.17	.08	.08	0.25	0.25	98	102	89-114	1	20	
Selenium	mg/L	0.14	.08	.08	0.22	0.23	99	108	85-117	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2038897 2038898

Parameter	Units	10316268019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.090	.08	.08	0.17	0.17	106	106	89-114	0	20	
Selenium	mg/L	ND	.08	.08	0.082	0.082	103	102	85-117	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: WET/43408 — Analysis Method: SM 4500F/C
QC Batch Method: SM 4500F/C — Analysis Description: SM4500F-C Fluoride
Associated Lab Samples: 10316268016, 10316268017, 10316268018, 10316268019

METHOD BLANK: 2045865 — Matrix: Water
Associated Lab Samples: 10316268016, 10316268017, 10316268018, 10316268019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	1.0	08/08/15 13:35	

LABORATORY CONTROL SAMPLE: 2045866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	5	4.7	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2045867 — 2045868

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	0.95J	5	5	5.5	5.6	91	93	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2045869 — 2045870

Parameter	Units	10316268019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	0.27J	5	5	4.6	4.7	86	89	80-120	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: WETA/24033 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 10316268001, 10316268002, 10316268003, 10316268004, 10316268005, 10316268006, 10316268007

METHOD BLANK: 2036735 Matrix: Water
Associated Lab Samples: 10316268001, 10316268002, 10316268003, 10316268004, 10316268005, 10316268006, 10316268007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.2	07/30/15 19:18	
Fluoride	mg/L	ND	0.050	07/30/15 19:18	
Nitrate as N	mg/L	ND	0.10	07/30/15 19:18	
Sulfate	mg/L	ND	1.2	07/30/15 19:18	

LABORATORY CONTROL SAMPLE: 2036736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	12.5	12.4	99	90-110	
Fluoride	mg/L	1	0.96	96	90-110	
Nitrate as N	mg/L	1	0.95	95	90-110	
Sulfate	mg/L	12.5	12.0	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036737 2036738

Parameter	Units	10316268001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	150	62.5	62.5	196	196	74	74	90-110	0	20	M1
Fluoride	mg/L	1.1	1	1	1.9	1.9	83	83	90-110	0	20	M1
Nitrate as N	mg/L	172	50	50	205	205	66	66	90-110	0	20	M6
Sulfate	mg/L	355	62.5	62.5	382	382	42	42	90-110	0	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036739 2036740

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	135	25	25	148	148	53	53	90-110	0	20	M1
Fluoride	mg/L	3.3	2	2	4.9	4.4	82	55	90-110	11	20	M1
Nitrate as N	mg/L	ND	1	1	0.96	0.94	91	90	90-110	1	20	
Sulfate	mg/L	100	25	25	118	118	71	72	90-110	0	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: WETA/24059 | Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 | Analysis Description: 300.0 IC Anions
Associated Lab Samples: 10316268008, 10316268009, 10316268010, 10316268011, 10316268012, 10316268013, 10316268014, 10316268015, 10316268016, 10316268017, 10316268018, 10316268019, 10316268020

METHOD BLANK: 2039516 | Matrix: Water
Associated Lab Samples: 10316268008, 10316268009, 10316268010, 10316268011, 10316268012, 10316268013, 10316268014, 10316268015, 10316268016, 10316268017, 10316268018, 10316268019, 10316268020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.2	07/31/15 14:33	
Fluoride	mg/L	ND	0.050	07/31/15 14:33	
Nitrate as N	mg/L	ND	0.10	07/31/15 14:33	
Sulfate	mg/L	ND	1.2	07/31/15 14:33	

LABORATORY CONTROL SAMPLE: 2039517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	12.5	12.2	98	90-110	
Fluoride	mg/L	1	0.96	96	90-110	
Nitrate as N	mg/L	1	0.94	94	90-110	
Sulfate	mg/L	12.5	11.8	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2039518 2039519

Parameter	Units	10316268014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	91.4	12.5	12.5	94.4	94.5	24	25	90-110	0	20	M1
Fluoride	mg/L	0.95	1	1	1.8	1.8	85	85	90-110	0	20	M1
Nitrate as N	mg/L	2.8	1	1	3.5	3.5	72	73	90-110	0	20	M1
Sulfate	mg/L	505	125	125	577	576	58	57	90-110	0	20	M6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2039520 2039521

Parameter	Units	10316268019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	241	62.5	62.5	276	275	57	56	90-110	0	20	M1
Fluoride	mg/L	27.6	100	100	119	120	92	92	90-110	0	20	
Nitrate as N	mg/L	ND	1	1	0.92	0.93	88	89	90-110	1	20	M1
Sulfate	mg/L	303	62.5	62.5	335	334	51	49	90-110	0	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: WETA/24140 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 10316268001, 10316268002, 10316268003, 10316268004, 10316268005, 10316268006, 10316268007

METHOD BLANK: 2043337 Matrix: Water
Associated Lab Samples: 10316268001, 10316268002, 10316268003, 10316268004, 10316268005, 10316268006, 10316268007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.040	08/10/15 10:16	

LABORATORY CONTROL SAMPLE: 2043338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.98	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2043339 2043340

Parameter	Units	10316268003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	1	1	0.94	0.93	94	93	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2043341 2043342

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	1.9	1	1	2.8	3.0	93	109	90-110	6	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: WETA/24218 | Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 | Analysis Description: 350.1 Ammonia
Associated Lab Samples: 10316268008, 10316268009, 10316268010, 10316268011, 10316268012, 10316268013, 10316268014, 10316268015, 10316268016, 10316268017, 10316268018, 10316268019, 10316268020

METHOD BLANK: 2048405 | Matrix: Water
Associated Lab Samples: 10316268008, 10316268009, 10316268010, 10316268011, 10316268012, 10316268013, 10316268014, 10316268015, 10316268016, 10316268017, 10316268018, 10316268019, 10316268020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.040	08/12/15 15:41	

LABORATORY CONTROL SAMPLE: 2048406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.98	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2048407 2048408

Parameter	Units	10316268014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	3.5	1	1	4.5	4.3	98	80	90-110	4	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2048409 2048410

Parameter	Units	10316268019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	2.3	1	1	3.4	3.4	101	102	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: WETA/24034 — Analysis Method: SM 4500-P E
QC Batch Method: SM 4500-P E — Analysis Description: SM4500P-E, Phosphate, Ortho
Associated Lab Samples: 10316268001, 10316268002, 10316268003, 10316268004, 10316268005, 10316268006, 10316268007

METHOD BLANK: 2036818 — Matrix: Water
Associated Lab Samples: 10316268001, 10316268002, 10316268003, 10316268004, 10316268005, 10316268006, 10316268007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Orthophosphate as P	mg/L	ND	0.0050	07/30/15 16:35	

LABORATORY CONTROL SAMPLE: 2036819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	.1	0.10	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036820 2036821

Parameter	Units	10316058011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Orthophosphate as P	mg/L	0.043	.1	.1	0.15	0.15	108	104	80-120	3	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036822 2036823

Parameter	Units	10316058019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Orthophosphate as P	mg/L	1.6	.1	.1	1.6	1.6	74	66	80-120	0	30	M6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA

Project: FMC RCRA
Pace Project No.: 10316268

QC Batch: WETA/24052 | Analysis Method: SM 4500-P E
QC Batch Method: SM 4500-P E | Analysis Description: SM4500P-E, Phosphate, Ortho
Associated Lab Samples: 10316268008, 10316268009, 10316268010, 10316268011, 10316268012, 10316268013, 10316268014, 10316268015, 10316268016, 10316268017, 10316268018, 10316268019, 10316268020

METHOD BLANK: 2037738 | Matrix: Water
Associated Lab Samples: 10316268008, 10316268009, 10316268010, 10316268011, 10316268012, 10316268013, 10316268014, 10316268015, 10316268016, 10316268017, 10316268018, 10316268019, 10316268020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Orthophosphate as P	mg/L	ND	0.0050	07/31/15 16:54	FS

LABORATORY CONTROL SAMPLE: 2037739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	.1	0.10	101	90-110	FS

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2037740 2037741

Parameter	Units	10316268014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Orthophosphate as P	mg/L	0.58	1	1	1.6	1.6	104	105	80-120	1	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2039580 2039581

Parameter	Units	10316268019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Orthophosphate as P	mg/L	44.2	50	50	98.0	96.5	108	105	80-120	2	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALIFIERS

Project: FMC RCRA
Pace Project No.: 10316268

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis
PASI-V	Pace Analytical Services - Virginia

ANALYTE QUALIFIERS

FS	The sample was filtered in the laboratory prior to analysis.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FMC RCRA
Pace Project No.: 10316268

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10316268001	**507115**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316268002	**507166**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316268003	**507113**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316268004	**507168**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316268005	**507CDI**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316268006	**507701**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316268007	**507104**	EPA 3010	MPRP/56575	EPA 6010	ICP/24782
10316268008	**507165**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268009	**507167**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268010	**507158**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268011	**507183**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268012	**507121A**	EPA 3010	MPRP/5663	EPA 6010C	ICP/4473
10316268012	**507121A**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268013	**507108A**	EPA 3010	MPRP/5663	EPA 6010C	ICP/4473
10316268013	**507108A**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268014	**507123 A,B,C**	EPA 3010	MPRP/5663	EPA 6010C	ICP/4473
10316268014	**507123 A,B,C**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268015	**507122**	EPA 3010	MPRP/5663	EPA 6010C	ICP/4473
10316268015	**507122**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268016	**507155**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268017	**507156**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268018	**507601**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268019	**507157 A,B,C**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268020	**507BTS**	EPA 3010	MPRP/56634	EPA 6010	ICP/24797
10316268001	**507115**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316268002	**507166**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316268003	**507113**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316268004	**507168**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316268005	**507CDI**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316268006	**507701**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316268007	**507104**	EPA 3020	MPRP/56577	EPA 6020	ICPM/25756
10316268008	**507165**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268009	**507167**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268010	**507158**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268011	**507183**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268012	**507121A**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268013	**507108A**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268014	**507123 A,B,C**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268015	**507122**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268016	**507155**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268017	**507156**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268018	**507601**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268019	**507157 A,B,C**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FMC RCRA
Pace Project No.: 10316268

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10316268020	**507BTS**	EPA 3020	MPRP/56636	EPA 6020	ICPM/25785
10316268016	**507155**	SM 4500F/C	WET/43408		
10316268017	**507156**	SM 4500F/C	WET/43408		
10316268018	**507601**	SM 4500F/C	WET/43408		
10316268019	**507157 A,B,C**	SM 4500F/C	WET/43408		
10316268001	**507115**	EPA 300.0	WETA/24033		
10316268002	**507166**	EPA 300.0	WETA/24033		
10316268003	**507113**	EPA 300.0	WETA/24033		
10316268004	**507168**	EPA 300.0	WETA/24033		
10316268005	**507CDI**	EPA 300.0	WETA/24033		
10316268006	**507701**	EPA 300.0	WETA/24033		
10316268007	**507104**	EPA 300.0	WETA/24033		
10316268008	**507165**	EPA 300.0	WETA/24059		
10316268009	**507167**	EPA 300.0	WETA/24059		
10316268010	**507158**	EPA 300.0	WETA/24059		
10316268011	**507183**	EPA 300.0	WETA/24059		
10316268012	**507121A**	EPA 300.0	WETA/24059		
10316268013	**507108A**	EPA 300.0	WETA/24059		
10316268014	**507123 A,B,C**	EPA 300.0	WETA/24059		
10316268015	**507122**	EPA 300.0	WETA/24059		
10316268016	**507155**	EPA 300.0	WETA/24059		
10316268017	**507156**	EPA 300.0	WETA/24059		
10316268018	**507601**	EPA 300.0	WETA/24059		
10316268019	**507157 A,B,C**	EPA 300.0	WETA/24059		
10316268020	**507BTS**	EPA 300.0	WETA/24059		
10316268001	**507115**	EPA 350.1	WETA/24140		
10316268002	**507166**	EPA 350.1	WETA/24140		
10316268003	**507113**	EPA 350.1	WETA/24140		
10316268004	**507168**	EPA 350.1	WETA/24140		
10316268005	**507CDI**	EPA 350.1	WETA/24140		
10316268006	**507701**	EPA 350.1	WETA/24140		
10316268007	**507104**	EPA 350.1	WETA/24140		
10316268008	**507165**	EPA 350.1	WETA/24218		
10316268009	**507167**	EPA 350.1	WETA/24218		
10316268010	**507158**	EPA 350.1	WETA/24218		
10316268011	**507183**	EPA 350.1	WETA/24218		
10316268012	**507121A**	EPA 350.1	WETA/24218		
10316268013	**507108A**	EPA 350.1	WETA/24218		
10316268014	**507123 A,B,C**	EPA 350.1	WETA/24218		
10316268015	**507122**	EPA 350.1	WETA/24218		
10316268016	**507155**	EPA 350.1	WETA/24218		
10316268017	**507156**	EPA 350.1	WETA/24218		
10316268018	**507601**	EPA 350.1	WETA/24218		
10316268019	**507157 A,B,C**	EPA 350.1	WETA/24218		
10316268020	**507BTS**	EPA 350.1	WETA/24218		
10316268001	**507115**	SM 4500-P E	WETA/24034		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
150 N Ninth Street
Billings, MT 59101
(406)254-7226

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FMC RCRA
Pace Project No.: 10316268

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10316268002	**507166**	SM 4500-P E	WETA/24034		
10316268003	**507113**	SM 4500-P E	WETA/24034		
10316268004	**507168**	SM 4500-P E	WETA/24034		
10316268005	**507CDI**	SM 4500-P E	WETA/24034		
10316268006	**507701**	SM 4500-P E	WETA/24034		
10316268007	**507104**	SM 4500-P E	WETA/24034		
10316268008	**507165**	SM 4500-P E	WETA/24052		
10316268009	**507167**	SM 4500-P E	WETA/24052		
10316268010	**507158**	SM 4500-P E	WETA/24052		
10316268011	**507183**	SM 4500-P E	WETA/24052		
10316268012	**507121A**	SM 4500-P E	WETA/24052		
10316268013	**507108A**	SM 4500-P E	WETA/24052		
10316268014	**507123 A,B,C**	SM 4500-P E	WETA/24052		
10316268015	**507122**	SM 4500-P E	WETA/24052		
10316268016	**507155**	SM 4500-P E	WETA/24052		
10316268017	**507156**	SM 4500-P E	WETA/24052		
10316268018	**507601**	SM 4500-P E	WETA/24052		
10316268019	**507157 A,B,C**	SM 4500-P E	WETA/24052		
10316268020	**507BTS**	SM 4500-P E	WETA/24052		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..