Pace Analytical®
New Orleans Laboratory

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

June 19, 2007

Reissued w/ silica wet lts.

Client Services
Pace Kansas
9608 Loiret Boulevard
Lenexa, KS 66219

RE: Project: 2070518
RE: Project ID: 6023728

Dear Client Services:

Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Karen H Brown

Karen Brown

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF LABORATORY ANALYSIS

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Phone: 504.469.0333
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LELAP # 02006

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Project Number: 2070518

ACCREDITED IN ACCORDANCE WITH nelac

6/19/2007 16:30:13

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Sample Cross Reference Report

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: PASI Kansas

Project: 6023728

Project No.: 2070518

Sample ID	Lab ID	Matrix	Collection Date/Time		Received Date/Time	
MW-2S	6023728001	Water	06/05/2007	11:35	06/06/2007	10:30
FB-1	6023728002	Water	06/05/2007	16:30	06/06/2007	10:30
EB-1	6023728003	Water	06/05/2007	16:45	06/06/2007	10:30

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health .Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270
Pennsylvania DEP (NELAC) 68-04202

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Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2070518

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

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Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
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Phone: 504.469.0333
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LELAP # 02006

Project: 2070518

Analytical Method	Batch	Sample used for QC
SM 4500-Si C	87318	Client sample MW-1D from project 2070520

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from the a different client was used.

New Orleans Laboratory Certifications
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Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: MW-2S
Client: PASI Kansas
Project: 6023728
Site: None
Lab ID: 6023728001
Project No.: 2070518
Description: None
Matrix: Water
%Moisture: n/a
Collected: 06/05/07
Received: 06/06/07

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Silica	SM 4500-Si C	87318	1	18.6		mg/L	1.00	18-Jun-07	18-Jun-07	11:59 TAE	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
PF other than 1 denotes sample Prep Factor which accounts for a non-routine sample size.
DF denotes Dilution Factor of final sample.
Reporting/Detection Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

6/19/2007 16:30:48

New Orleans Laboratory Certifications
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Kansas Dept. of Health ,Environment - E-10266
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Pennsylvania DEP (NELAC) 68-04202

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: FB-4 **Client:** PASI Kansas

Project: 6023728 **Site:** None

Lab ID: 6023728002 **Project No.:** 2070518

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/05/07 **Received:** 06/06/07

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Silica	SM 4500-Si C	87318	1	ND		mg/L	1.00	18-Jun-07	18-Jun-07	11:59 TAE	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
PF other than 1 denotes sample Prep Factor which accounts for a non-routine sample size.
DF denotes Dilution Factor of final sample.
Reporting/Detection Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

6/19/2007 16:30:49

New Orleans Laboratory Certifications
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Florida Dept. of Health (NELAC) - E87595
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Report of Laboratory Analysis

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Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: EB-1 **Client:** PASI Kansas

Project: 6023728 **Site:** None

Lab ID: 6023728003 **Project No.:** 2070518

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/05/07 **Received:** 06/06/07

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Silica	SM 4500-Si C	87318	1	ND		mg/L	1.00	18-Jun-07	18-Jun-07 12:13	TAE	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
PF other than 1 denotes sample Prep Factor which accounts for a non-routine sample size.
DF denotes Dilution Factor of final sample.
Reporting/Detection Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

6/19/2007 16:30:49

New Orleans Laboratory Certifications
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Kansas Dept. of Health_Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270
Pennsylvania DEP (NELAC) 68-04202

Pace Analytical
New Orleans Laboratory

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2070518

Parameter	Batch	Blank	ARL	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	DUP RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Silica	87318	ND	1.00	mg/L	10	10.99	110									90 - 110	-		
Silica	87318			mg/L					8.77						0	-	-	20	

* denotes recovery outside of QC limits.
ARL denotes Adjusted Reporting Limit, corrected for sample size, dilution and moisture content as applicable.
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

6/19/2007 16:30:52

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health ,Environment - E-10266
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CHAIN-OF-CUSTODY / Analytical Request Document
The chain-of-Custody is a LEGAL DOCUMENT All relvant fields must be completed accurately

Page: of

LOD23723

Required Client Information: Section A		Required Client Information: Section B		Required Client Information:			
Company:	Paul C Rizzo Environmental	Report To:	Dan Carey	Email Results:			
Address:	602 Market Street, Box 103	P. O.		Requested Due Date		Copy To:	
	Fulton MO 65251	Project Name:	GROUND Surface Water Quality	Quote Reference:			
Phone:	573-676-6304	Site Address:		Project Manager		Invoice To	
Fax:	573-676-4206			Project #			
Location: (State)	Missouri	Project No:		Profile #			

ITEM NUMBER	Required Client Information: SAMPLE ID (print clearly)	Matrix ID: Water Tissue Soil Other: Oil Wipe Air	Sample Matrix	Date Collected	Time Collected	# of Containers	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	TSP or Na2s2O3	Methanol	Requested Analysis: Cl, NO2/NO3	Orthophosphate, Alk	ICP Metal (6010)	Ammonia, Total Phos	BOD, TSS, TDS, COLOR		Hardness			REMARKS / LAB ID
1	MW-25 1BP1u-1BP2u 1BP3S1.5		WATER	6/5/07	1135	5	3	1	1		1BP3N			X	X	X	X	X		X			001 Rizzo Ground Water
2	FB-4		"	"	1130	5	3	1	1					X	X	X	X	X		X			002
3	EB-1		"	"	1145	5	3	1	1					X	X	X	X	X		X			003
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM#	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Pick Up		6/5/07	1		MACTEC	6/5/07		PACE	06/6/07	0930
					PACE	6/5/07	2100		6/6/07	10:30
						6/6/07	(GS)			
					Fed Ex					

SAMPLER NAME AND SIGNATURE
PRINT NAME OF SAMPLER: JACK A RIESNER
SIGNATURE OF SAMPLER:
DATE SIGNED: 6/5/07

SAMPLE CONDITION:

Temp in C	2.7
Received on ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

5-4

Additional Comments:

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CHAIN-OF-CUSTODY / Analytical Request Document
The chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

Required Client Information: Section A		Required Client Information: Section B		Required Client Information:			
Company:	Paul C Rizzo Environmental	Report To:	Dan Carey	Email Results:			
Address:	602 Market Street, Box 103	P.O.		Requested Due Date:		Copy To	
	Fulton MO 65251	Project Name:	GROUND e Water Quality	Quote Reference:			
Phone:	573-676-6304	Site Address:		Project Manager		Invoice To:	
Fax:	573-676-4206			Project #			
Location: (State)	Missouri	Project No:		Profile #			

ITEM NUMBER	Required Client Information: SAMPLE ID (print clearly)	Matrix ID: Water, Tissue, Soil, Other: Oil, Wipe, Air	Sample Matrix	Date Collected	Time Collected	# of Containers	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	TSP or Na2s203	Methanol	Requested Analysis: ODOR	REMARKS / LAB ID
1	MW-25 1BP1A 1BP2A 1BP3C 1-T	WATER	WATER	6/5/07	1135	1	X		1BP2A	1BP3C		1-T		X	001
2	FB-4	"	"	"	1630	1	X							X	002
3	EB-1	"	"	"	1645	1	X							X	003
4															
5															
6															
7															
8															
9															
10															
11															
12															

U073725

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM#
Pick Up				

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible] / MACTEC	6/5/07	1930	[illegible] / PACE	6/5/07	1930
[illegible]	6/5/07	2400	[illegible]	6/6/07	10:30
[illegible]		1630			
[illegible]	[illegible]	[illegible]	[illegible]	6/6/07	0940

SAMPLER NAME AND SIGNATURE

PRINT NAME OF SAMPLER: JACK E FELSNER

SIGNATURE OF SAMPLER: JACK E FELSNER DATE SIGNED: 6/5/07

SAMPLE CONDITION:

Temp in C	2.7
Received on ice	(Y) N
Sealed Cooler	(Y) N
Sample Intact	(Y) N

5-4

SAMPLE NOTES:

Additional Comments:

PDC Laboratories, Inc.

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 06-Jun-07
Date Reported 13-Jun-07

Sample No: 07061673-1 Collect Date: 05-Jun-07 11:35
Client Id: GROUNDWATER Site: MW - 2S Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	06-Jun-07 15:10	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	06-Jun-07 15:10	JLK
Opinion	U			06-Jun-07 15:10	JLK
Total Coliform		120	mpn/100 ml	06-Jun-07 15:10	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	06-Jun-07 15:10	JLK

Sample No: 07061673-2 Collect Date: 05-Jun-07 16:30
Client Id: GROUNDWATER Site: FB-4 Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	06-Jun-07 15:10	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	06-Jun-07 15:10	JLK
Opinion	S			06-Jun-07 15:10	JLK
Total Coliform	<	1	mpn/100 ml	06-Jun-07 15:10	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	06-Jun-07 15:10	JLK

Sample No: 07061673-3 Collect Date: 05-Jun-07 16:45
Client Id: GROUNDWATER Site: EB-1 Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	06-Jun-07 15:10	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	06-Jun-07 15:10	JLK
Opinion	U			06-Jun-07 15:10	JLK
Total Coliform		10	mpn/100 ml	06-Jun-07 15:10	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	06-Jun-07 15:10	JLK

PDC Laboratories, Inc.

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 07-Jun-07
Date Reported 13-Jun-07

Sample No: 07061896-1 Collect Date: 06-Jun-07 13:15
Client Id: GROUNDWATER Site: MW-1D Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	07-Jun-07 14:10	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	07-Jun-07 14:10	JLK
Opinion	U			07-Jun-07 14:10	JLK
Total Coliform		3	mpn/100 ml	07-Jun-07 14:10	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	07-Jun-07 14:10	JLK

Sample No: 07061896-2 Collect Date: 06-Jun-07 15:50
Client Id: GROUNDWATER Site: FB-5 Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	07-Jun-07 14:10	JLK
SM (18) 9223B					
Fecal Coliform		2	mpn/100 ml	07-Jun-07 14:10	JLK
Opinion	U			07-Jun-07 14:10	JLK
Total Coliform		9	mpn/100 ml	07-Jun-07 14:10	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	07-Jun-07 14:10	JLK

Sample No: 07061896-3 Collect Date: 06-Jun-07 16:35
Client Id: GROUNDWATER Site: MW-5S Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	07-Jun-07 14:10	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	07-Jun-07 14:10	JLK
Opinion	U			07-Jun-07 14:10	JLK
Total Coliform		961	mpn/100 ml	07-Jun-07 14:10	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	07-Jun-07 14:10	JLK

PDC Laboratories, Inc.
P.O. Box 9071 • Peoria, IL 61612-9071
(309) 692-9688 • (800) 752-9551 • FAX (309) 692-9689

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 12-Jun-07
Date Reported 18-Jun-07

Sample No: 07062268-1 Collect Date: 11-Jun-07 13:20
Client Id: GROUNDWATER Site: MO 027390 Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	12-Jun-07 12:05	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	12-Jun-07 12:05	JLK
Opinion	S			12-Jun-07 12:05	JLK
Total Coliform	<	1	mpn/100 ml	12-Jun-07 12:05	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	12-Jun-07 12:05	JLK

Sample No: 07062268-2 Collect Date: 11-Jun-07 15:05
Client Id: GROUNDWATER Site: FB-6 Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	12-Jun-07 12:05	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	12-Jun-07 12:05	JLK
Opinion	S			12-Jun-07 12:05	JLK
Total Coliform	<	1	mpn/100 ml	12-Jun-07 12:05	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	12-Jun-07 12:05	JLK

Sample No: 07062268-3 Collect Date: 11-Jun-07 15:45
Client Id: GROUNDWATER Site: MW-12 Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	12-Jun-07 12:05	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	12-Jun-07 12:05	JLK
Opinion	U			12-Jun-07 12:05	JLK
Total Coliform		2400	mpn/100 ml	12-Jun-07 12:05	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	12-Jun-07 12:05	JLK

PDC Laboratories, Inc.

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 12-Jun-07
Date Reported 18-Jun-07

Sample No: 07062268-4 Collect Date: 11-Jun-07 16:10
Client Id: GROUNDWATER Site: GW-D Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	12-Jun-07 12:05	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	12-Jun-07 12:05	JLK
Opinion	U			12-Jun-07 12:05	JLK
Total Coliform		1200	mpn/100 ml	12-Jun-07 12:05	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	12-Jun-07 12:05	JLK

Sample No: 07062268-5 Collect Date: 11-Jun-07 18:25
Client Id: GROUNDWATER Site: EB-2 Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	12-Jun-07 12:05	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	12-Jun-07 12:05	JLK
Opinion	U			12-Jun-07 12:05	JLK
Total Coliform		73	mpn/100 ml	12-Jun-07 12:05	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	12-Jun-07 12:05	JLK

PDC Laboratories, Inc.

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 13-Jun-07
Date Reported 18-Jun-07

Sample No: 07062516-1 Collect Date: 12-Jun-07 9:45
Client Id: GROUNDWATER Site: MW-6S Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	13-Jun-07 12:05	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	13-Jun-07 12:05	JLK
Opinion	U			13-Jun-07 12:05	JLK
Total Coliform		91	mpn/100 ml	13-Jun-07 12:05	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	13-Jun-07 12:05	JLK

Sample No: 07062516-2 Collect Date: 12-Jun-07 11:25
Client Id: GROUNDWATER Site: EB-3 Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	13-Jun-07 12:05	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	13-Jun-07 12:05	JLK
Opinion	U			13-Jun-07 12:05	JLK
Total Coliform		2400	mpn/100 ml	13-Jun-07 12:05	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	13-Jun-07 12:05	JLK

Sample No: 07062516-3 Collect Date: 12-Jun-07 11:40
Client Id: GROUNDWATER Site: FB-7 Locator: SHALLOW AQUIFER

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	13-Jun-07 12:05	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	13-Jun-07 12:05	JLK
Opinion	U			13-Jun-07 12:05	JLK
Total Coliform		2	mpn/100 ml	13-Jun-07 12:05	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	13-Jun-07 12:05	JLK

PDC Laboratories, Inc.
[illegible]

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 13-Jun-07
Date Reported 18-Jun-07

Sample No: 07062516-4 Collect Date: 12-Jun-07 12:20
Client Id: GROUNDWATER Site: MW-3S Locator: SHALLOW AQUIFER

		Result	Units	Date / Time		Analyst
SM (18) 9222D						
Fecal Coliform	<	10	cfu/100 ml	13-Jun-07	12:05	JLK
SM (18) 9223B						
Fecal Coliform	<	1	mpn/100 ml	13-Jun-07	12:05	JLK
Opinion	U			13-Jun-07	12:05	JLK
Total Coliform		2400	mpn/100 ml	13-Jun-07	12:05	JLK
SM (18) 9230C						
Fecal Streptococcus	<	10	cfu/100 ml	13-Jun-07	12:05	JLK

PDC Laboratories, Inc.
[illegible]

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 31-May-07
Date Reported 15-Jun-07

Sample No: 07054249-1 Collect Date: 30-May-07 10:00
Client Id: SURFACE WATER Site: S-01 Locator: MISSOURI RIVER

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		4	mg/m3	31-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform		600	cfu/100 ml	31-May-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform		610	mpn/100 ml	31-May-07 15:00	JLK
Opinion	U			31-May-07 15:00	JLK
Total Coliform	>	2420	mpn/100 ml	31-May-07 15:00	JLK
SM (18) 9230C					
Fecal Streptococcus		90	cfu/100 ml	31-May-07 15:00	JLK

Sample No: 07054249-2 Collect Date: 30-May-07 11:00
Client Id: SURFACE WATER Site: S-02 Locator: MISSOURI RIVER

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		8	mg/m3	31-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform		2500	cfu/100 ml	31-May-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform		1600	mpn/100 ml	31-May-07 15:00	JLK
Opinion	U			31-May-07 15:00	JLK
Total Coliform	>	2420	mpn/100 ml	31-May-07 15:00	JLK
SM (18) 9230C					
Fecal Streptococcus		32	cfu/100 ml	31-May-07 15:00	JLK

Sample No: 07054249-3 Collect Date: 30-May-07 11:55
Client Id: SURFACE WATER Site: PG - 5 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a	<	4	mg/m3	31-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	31-May-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform		17	mpn/100 ml	31-May-07 15:00	JLK
Opinion	U			31-May-07 15:00	JLK
Total Coliform	>	2420	mpn/100 ml	31-May-07 15:00	JLK

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Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 31-May-07
Date Reported 15-Jun-07

Sample No: 07054249-3 Collect Date: 30-May-07 11:55
Client Id: SURFACE WATER Site: PG - 5 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	31-May-07 15:00	JLK

Sample No: 07054249-4 Collect Date: 30-May-07 12:35
Client Id: SURFACE WATER Site: PG - 4 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		6	mg/m3	31-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	31-May-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform		1	mpn/100 ml	31-May-07 15:00	JLK
Opinion	U			31-May-07 15:00	JLK
Total Coliform		520	mpn/100 ml	31-May-07 15:00	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	31-May-07 15:00	JLK

Sample No: 07054249-5 Collect Date: 30-May-07 13:00
Client Id: SURFACE WATER Site: SW-D Locator: GRAB

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a	<	4	mg/m3	31-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	31-May-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	31-May-07 15:00	JLK
Opinion	U			31-May-07 15:00	JLK
Total Coliform		480	mpn/100 ml	31-May-07 15:00	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	31-May-07 15:00	JLK

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Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 31-May-07
Date Reported 15-Jun-07

Sample No: 07054249-6 Collect Date: 30-May-07 13:40
Client Id: SURFACE WATER Site: PG - 3 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a	<	4	mg/m3	31-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform		900	cfu/100 ml	31-May-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform		91	mpn/100 ml	31-May-07 15:00	JLK
Opinion	U			31-May-07 15:00	JLK
Total Coliform	>	2420	mpn/100 ml	31-May-07 15:00	JLK
SM (18) 9230C					
Fecal Streptococcus		7	cfu/100 ml	31-May-07 15:00	JLK

Sample No: 07054249-7 Collect Date: 30-May-07 14:30
Client Id: SURFACE WATER Site: PG - 2 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		130	mg/m3	31-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform		300	cfu/100 ml	31-May-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform		68	mpn/100 ml	31-May-07 15:00	JLK
Opinion	U			31-May-07 15:00	JLK
Total Coliform		2420	mpn/100 ml	31-May-07 15:00	JLK
SM (18) 9230C					
Fecal Streptococcus		3	cfu/100 ml	31-May-07 15:00	JLK

Sample No: 07054249-8 Collect Date: 30-May-07 14:50
Client Id: SURFACE WATER Site: FB-2 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a	<	4	mg/m3	31-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	31-May-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	31-May-07 15:00	JLK
Opinion	S			31-May-07 15:00	JLK
Total Coliform	<	1	mpn/100 ml	31-May-07 15:00	JLK

PDC Laboratories, Inc.

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 31-May-07
Date Reported 15-Jun-07

Sample No: 07054249-8 Collect Date: 30-May-07 14:50
Client Id: SURFACE WATER Site: FB-2 Locator: LOGAN CREEK

	Result	Units	Date / Time	Analyst
SM (18) 9230C				
Fecal Streptococcus	< 10	cfu/100 ml	31-May-07 15:00	JLK

PDC Laboratories, Inc.
P.O. Box 9071 • Peoria, IL 61612-9071
(309) 692-9688 • (800) 752-3651 • FAX (309) 692-9689

ACCREDITED IN ACCORDANCE WITH nelac

Laboratory Results

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251
Attn : Mr. Daniel Carey

Date Received : 06/26/07 08:50
Report Date 06/27/07
Customer # : 261285
P.O. Number :
Facility :

Sample No: **07063823-1** Collect Date **06/25/07 10:25**
Client ID : **SURFACE WATER** Site : **PG-9** Locator : **LOGAN CREEK**

Parameter	Qualifier	Result	Analysis Date	Analyst
SM (18) 9223B				
Total Coliform	>	2420 mpn/100 ml	06/26/07 15:00	JLK
Fecal Coliform		5 mpn/100 ml	06/26/07 15:00	JLK
Opinion	U		06/26/07 15:00	JLK

Sample No: **07063823-2** Collect Date **06/25/07 10:36**
Client ID : **SURFACE WATER** Site : **PG-8** Locator : **LOGAN CREEK**

Parameter	Qualifier	Result	Analysis Date	Analyst
SM (18) 9223B				
Total Coliform	>	2420 mpn/100 ml	06/26/07 15:00	JLK
Fecal Coliform		1 mpn/100 ml	06/26/07 15:00	JLK
Opinion	U		06/26/07 15:00	JLK

Sample No: **07063823-3** Collect Date **06/25/07 10:57**
Client ID : **SURFACE WATER** Site : **PG-7** Locator : **LOGAN CREEK**

Parameter	Qualifier	Result	Analysis Date	Analyst
SM (18) 9223B				
Total Coliform	>	2420 mpn/100 ml	06/26/07 15:00	JLK
Fecal Coliform		9 mpn/100 ml	06/26/07 15:00	JLK
Opinion	U		06/26/07 15:00	JLK

Sample No: **07063823-4** Collect Date **06/25/07 10:45**
Client ID : **SURFACE WATER** Site : **PG-6** Locator : **LOGAN CREEK**

Parameter	Qualifier	Result	Analysis Date	Analyst
SM (18) 9223B				
Total Coliform	>	2420 mpn/100 ml	06/26/07 15:00	JLK
Fecal Coliform	<	1 mpn/100 ml	06/26/07 15:00	JLK
Opinion	U		06/26/07 15:00	JLK

recycled paper

PDC Laboratories, Inc.
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Laboratory Results

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251
Attn : Mr. Daniel Carey

Date Received : 06/26/07 08:50
Report Date 06/27/07
Customer # : 261285
P.O. Number :
Facility :

PDC Laboratories participates in the following laboratory accreditation/certification and proficiency programs. Endorsement by the Federal or State Government or their agencies is not implied.

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17533
Drinking Water Certifications: Indiana (C-IL-040); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)
Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (99829443)
Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)
UST Certification: Iowa (240)

Certified by : Elaine Kaufmann
Elaine Kaufmann, Project Manager

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07063823

PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

State where samples collected MO-Ameren Callaway NPP

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT) - (SAMPLE ACCEPTANCE POLICY ON REVERSE)

(1) CLIENT	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED	(3) ANALYSIS REQUESTED	(4) (FOR LAB USE ONLY)
Paul C. Rizzo Associates				Total Cal Term & (SM9222B/9221C-FC)	LOGIN 07063823-4
ADDRESS: 2055 Craigshire Suite 350	PHONE NUMBER	FAX NUMBER	DATE SHIPPED		LOGGED BY: RG
CITY STATE ZIP: St Louis, MO 63146	SAMPLER (PLEASE PRINT): Daniel A. Carey		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID L'CHT-LEACHATE OTHER: Soil - Surface Water		LAB PROJ. #:
CONTACT PERSON: Dan Carey	SAMPLER'S SIGNATURE: Daniel A. Carey				TEMPLATE:
					PROJ. MGR.:

(2) SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	REMARKS
* FB-062507	6/25/07	0950	X		SW	1	
PG-9 (Pond, Surface Water)	6/25/07	1025	X		SW	1	
PG-8 (Pond, Surface Water)	6/25/07	1036	X		SW	1	
PG-7 (Pond, Surface Water)	6/25/07	1057	X		SW	1	
PG-6 (Pond, Surface Water)	6/25/07	1045	X		SW	1	

(5) TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH — DATE RESULTS NEEDED
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
(FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

(6) *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.*

(7) RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME
Daniel A. Carey	6/25/07		
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED AT LAB BY: (SIGNATURE)	6/26/07 0830

(8) COMMENTS: (FOR LAB USE ONLY)
* Field Blank / RP
4 °C
SAMPLE TEMPERATURE UPON RECEIPT
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLE(S) RECEIVED ON ICE Y OR N
PROPER BOTTLES RECEIVED IN GOOD CONDITION Y OR N
BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) Y OR N
DATE AND TIME TAKEN FROM SAMPLE BOTTLE

Copies: white should accompany samples to PDC Labs. Yellow copy to be retained by the client.

PDC Laboratories, Inc.
[illegible] • Peoria, IL [illegible]
[illegible] • FAX [illegible]

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 30-May-07
Date Reported 18-Jun-07

Sample No: 07054124-1 Collect Date: 29-May-07 14:15
Client Id: SURFACE WATER Site: PG-9 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		5	mg/m3	30-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform		80	cfu/100 ml	30-May-07 15:55	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	30-May-07 14:00	JLK
SM 9222B/9221E-PA					
Colonies Read	*		cfu/100 ml		JLK
Opinion	LA				JLK
Total Coliform	*		cfu/100 ml		JLK

LA - Lab error; Sample disposed of before analysis

Sample No: 07054124-2 Collect Date: 29-May-07 15:15
Client Id: SURFACE WATER Site: PG-8 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a	<	4	mg/m3	30-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform		230	cfu/100 ml	30-May-07 13:55	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	30-May-07 14:00	JLK
SM 9222B/9221E-PA					
Colonies Read	*		cfu/100 ml		JLK
Opinion	LA				JLK
Total Coliform	*		cfu/100 ml		JLK

LA - Lab error; Sample disposed of before analysis

Sample No: 07054124-3 Collect Date: 29-May-07 16:00
Client Id: SURFACE WATER Site: PG-7 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a	<	4	mg/m3	30-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform		60	cfu/100 ml	30-May-07 13:55	JLK
SM (18) 9230C					
Fecal Streptococcus		70	cfu/100 ml	30-May-07 14:00	JLK

TNTC - Too numerous to count; greater than 200 colonies

This is a summary only. Please see final report for complete data.

PDC Laboratories, Inc.

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 30-May-07
Date Reported 18-Jun-07

Sample No: 07054124-3 Collect Date: 29-May-07 16:00
Client Id: SURFACE WATER Site: PG-7 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM 9222B/9221E-PA					
Colonies Read	*		cfu/100 ml		JLK
Opinion	LA				JLK
Total Coliform	*		cfu/100 ml		JLK

LA - Lab error; Sample disposed of before analysis

Sample No: 07054124-4 Collect Date: 29-May-07 16:55
Client Id: SURFACE WATER Site: PG-6 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a	<	4	mg/m3	30-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	30-May-07 13:55	JLK
SM (18) 9230C					
Fecal Streptococcus		10	cfu/100 ml	30-May-07 14:00	JLK
SM 9222B/9221E-PA					
Colonies Read	H TNTC		cfu/100 ml	31-May-07 10:00	JLK
Opinion	U			31-May-07 10:00	JLK
Total Coliform	P		cfu/100 ml	31-May-07 10:00	JLK

H - Method hold time exceeded

Sample No: 07054124-5 Collect Date: 29-May-07 17:20
Client Id: SURFACE WATER Site: FB-1 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a	<	4	mg/m3	30-May-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	30-May-07 13:55	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	30-May-07 14:00	JLK
SM 9222B/9221E-PA					
Colonies Read	H	4	cfu/100 ml	31-May-07 10:00	JLK
Opinion	S			31-May-07 10:00	JLK
Total Coliform	ND		cfu/100 ml	31-May-07 10:00	JLK

H - Method hold time exceeded

TNTC - Too numerous to count; greater than 200 colonies

PDC Laboratories, Inc.
P.O. Box 9081 • Peoria, IL 61612-9081
(800) 752-4537 • (800) 752-4561 • FAX (309) 692-4690

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 01-Jun-07
Date Reported 15-Jun-07

Sample No: 07061006-1 Collect Date: 31-May-07 13:35
Client Id: SURFACE WATER Site: SG - A3 Locator: AUXVASSE CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		6	mg/m3	01-Jun-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform		70	cfu/100 ml	01-Jun-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform		81	mpn/100 ml	01-Jun-07 15:00	JLK
Opinion	U			01-Jun-07 15:00	JLK
Total Coliform		1000	mpn/100 ml	01-Jun-07 15:00	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	01-Jun-07 15:00	JLK

Sample No: 07061006-2 Collect Date: 31-May-07 14:35
Client Id: SURFACE WATER Site: PG-1 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		4	mg/m3	01-Jun-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform		40	cfu/100 ml	01-Jun-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform		18	mpn/100 ml	01-Jun-07 15:00	JLK
Opinion	U			01-Jun-07 15:00	JLK
Total Coliform	>	2420	mpn/100 ml	01-Jun-07 15:00	JLK
SM (18) 9230C					
Fecal Streptococcus		46	cfu/100 ml	01-Jun-07 15:00	JLK

Sample No: 07061006-3 Collect Date: 31-May-07 15:05
Client Id: SURFACE WATER Site: SG-L1 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a	<	4	mg/m3	01-Jun-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform		410	cfu/100 ml	01-Jun-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform		580	mpn/100 ml	01-Jun-07 15:00	JLK
Opinion	U			01-Jun-07 15:00	JLK
Total Coliform	>	2420	mpn/100 ml	01-Jun-07 15:00	JLK

This is a summary only. Please see final report for complete data.

PDC Laboratories, Inc.
[illegible]

Paul C. Rizzo Associates, Inc.
602 Market Street
#103
Fulton, MO 65251

Attn: Mr. Daniel Carey

Date Received 01-Jun-07
Date Reported 15-Jun-07

Sample No: 07061006-3 Collect Date: 31-May-07 15:05
Client Id: SURFACE WATER Site: SG-L1 Locator: LOGAN CREEK

		Result	Units	Date / Time	Analyst
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	01-Jun-07 15:00	JLK

Sample No: 07061006-4 Collect Date: 31-May-07 15:25
Client Id: SURFACE WATER Site: FB-3 Locator: GRAB

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a	<	4	mg/m3	01-Jun-07 15:00	JLK
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	01-Jun-07 15:00	JLK
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	01-Jun-07 15:00	JLK
Opinion	S			01-Jun-07 15:00	JLK
Total Coliform	<	1	mpn/100 ml	01-Jun-07 15:00	JLK
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	01-Jun-07 15:00	JLK

Paul C. Rizzo Associates, Inc.
ENGINEERS & CONSULTANTS

DATE	6 25 07
NO.	1
SHEET	1 OF 1

FIELD ACTIVITY DAILY LOG

PROJECT NAME: Ameren-Callaway NPP | PROJECT NO.: 06-30624

FIELD ACTIVITY SUBJECT: Water Quality Sampling – 1ST Event – Total Coliform

DESCRIPTION ON DAILY ACTIVITIES AND EVENTS:

0600 Prep bottles, paperwork, check email – DAC
0700 DAC Leaves for Ameren Callaway NPP
0900 DAC Arrives Ameren Callaway NPP, Returns messages, Emails.
0950 DAC collects field blank, FB-062507, ASTM Type II water. Dropped cap on floor, labeled new bottle & discarded entire bottle with dropped cap & changed gloves. Old FB-062507 discarded & destroyed. New FB-062507 ready for shipment.
1025 DAC collects PG-9 sample
1036 DAC collects PG-8 sample. PG-8 pond pretty low; sampling difficult. Very muddy.
1045 DAC collects PG-6
1057 DAC collects PG-7
1130 DAC returns to St. Louis to mail samples.
1215 DAC purchased ice, repacked coolers w/ ice.
1338 DAC sent samples via UPS to PDC Labs.

VISITORS ON SITE: Michele Sebacher	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None
WEATHER CONDITIONS: Sunny, Clear	IMPORTANT TELEPHONE CALLS: None

PERSONNEL ON SITE: Dan Carey, Michele Sebacher

FIELD ENGINEER: Dan Carey Daniel A. Carey DATE: 6/25/07

F-133

PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

State where samples collected: MO-Ameren Callaway NPP

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT) - (SAMPLE ACCEPTANCE POLICY ON REVERSE)

1 CLIENT	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
Paul C. Rizzo Associates			
ADDRESS	**PHONE NUMBER**	**FAX NUMBER**	**DATE SHIPPED**
2055 Craigshire, Suite 350			
CITY, STATE, ZIP	**SAMPLER (PLEASE PRINT)**		**MATRIX TYPES:** WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, OTHER SW - Surface Water
St. Louis, MO 63146	Daniel A. Carey		
CONTACT PERSON	**SAMPLER'S SIGNATURE**		
Dan Carey	Daniel A. Carey		

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	3 ANALYSIS REQUESTED: Total Coliform & (SM9222B/9221-PA)	4 (FOR LAB USE ONLY) REMARKS
FB-062507	6/25/07	0950	X		SW	1	X	
P6-9 (Pond, Surface Water)	6/25/07	1025	X		SW	1	X	
P6-8 (Pond, Surface Water)	6/25/07	1036	X		SW	1	X	
P6-7 (Pond, Surface Water)	6/25/07	1057	X		SW	1	X	
P6-6 (Pond, Surface Water)	6/25/07	1045	X		SW	1	X	

4 LOGIN #:
LOGGED BY:
LAB PROJ. #:
TEMPLATE:
PROJ. MGR.:

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH — DATE RESULTS NEEDED
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* _____

7 RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME
Daniel A. Carey	6/25/07 1338 CDT		
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED AT LAB BY: (SIGNATURE)	DATE / TIME

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT _____ °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLE(S) RECEIVED ON ICE Y OR N
PROPER BOTTLES RECEIVED IN GOOD CONDITION Y OR N
BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S) Y OR N
(EXCLUDES TYPICAL FIELD PARAMETERS)
DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____

Copies: white should accompany samples to PDC Labs. Yellow copy to be retained by the client.

Paul C. Rizzo Associates, Inc.
ENGINEERS & CONSULTANTS

DATE	5/29/07
NO.	
SHEET	1 OF 1

FIELD ACTIVITY DAILY LOG

PROJECT NAME: Rizzo Baseline Water Quality | PROJECT NO.:

FIELD ACTIVITY SUBJECT: Surface Water Sampling

DESCRIPTION ON DAILY ACTIVITIES AND EVENTS:

1200 J. Friesner / J. Grib (MACTEC) arrive on site @ Rizzo Trailer. Had to pick up distilled water and ice for sample coolers prior to arrival. Will sort through sample containers to verify all sample containers present.

1325 Arrive at Date Near PG-9. Had to contact laboratory regarding odor analysis. D. Varney (PACE) instructed to collect odor along with BOD/color/TSS/TDS and send to PACE in Lenexa. They will send sample to lab directly (2nd lab). Tomorrow, sample containers specifically for odor analysis will arrive.

1335 Water Quality meter (HORIBA U-10, ~~S/N~~ MACTEC # MQ14-10) calibrated with auto-cal solution (LOT #5309, EXP 6/5/08). Results

Solution	Results
pH 4.00	pH 4.01
SC 4490 µS/cm²	SC 4500 µS/cm
TURB 0.0 NTU	TURB -10 → zeroed to 0
~~Temp~~ jef	Temp 25.7°C
	DO 8.80

1415 Sample collected at PG-9 (see sample sheet)
1515 Sample collected at PG-8 (see sample sheet)
1600 Sample collected at PG-7 (see sample sheet)
1655 Sample collected at PG-6 (see sample sheet)
1720 Field Blank collected w/ distilled water purchased from store. No Type II available. NOTE no equipment blank will be collected — no equipment required for decon between locations ~~location~~ jef
1730 Storm moving in. Beginning to rain lightly. Will drop off coolers at rizzo trailer (empty containers) and leave for St. Louis. (cannot make drop in @ Jefferson city)

VISITORS ON SITE:

CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.
No type II DI; used distilled from store. Heading back to St. Louis instead of staying in Jeff City due to lake work (miss drop)

WEATHER CONDITIONS
Overcast to partly cloudy.
Warm (low 80's).
Storm front move through ~1715-1730

IMPORTANT TELEPHONE CALLS

PERSONNEL ON SITE: JEF, JG

FIELD ENGINEER: Jef Leuder — DATE 5/29/07

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Paul C. Rizzo Associates, Inc.
ENGINEERS & CONSULTANTS

DATE	5	30	07
NO.			
SHEET	1	OF	

FIELD ACTIVITY DAILY LOG

PROJECT NAME: ~~GREENWAY~~ BASELINE WATER QUALITY | PROJECT NO.

FIELD ACTIVITY SUBJECT: Surface Water Sampling

DESCRIPTION ON DAILY ACTIVITIES AND EVENTS:

0850 JACK FRIESNER / JOE GILL (MACTEC) ARRIVE at RIZZO TRAILER. HAD STOPPED PRIOR TO GET more DISTILLED water and ICE for coolers. Loading up truck. D. ~~CARTER~~ will ESCORT TO RIVER LOCATIONS (MO RIVER; S-01, S-02)

0930 ARRIVE AT S-01 Location

0940 MACTEC CALIBRATES HORIBA U-10 WQ meter (mactec # M014-10) with Auto-cal solution (LOT 5245, EXP 4/11/08)

Cal Standards
pH = 4.00
SC = 4490 µS/cm
TURB = 0

Cal Results:
pH = 4.00
SC = 4490 µS/cm
DO = 8.43 mg/L
TURB = 0 NTU
Temp = 24.3°C

1000 SAMPLE COLLECTED at S-01 (See sheet)

1100 SAMPLE COLLECTED AT S-02

1155 SAMPLE COLLECTED AT PG-5

1230 Recalibrate WQ meter. RESULTS pH = 3.98
USED AUTO CAL LOT # 5309 SC = 4510 µS/cm
EXP 6/6/08 TURB = 0 NTU
DO = 8.18
Temp = 24.6°C

1235 SAMPLE COLLECTED AT PG-4

~~1300~~ DUPLICATE MARKED SW-D with time of 1300

1340 SAMPLE COLLECTED AT PG-3.

1420 SAMPLE COLLECTED AT PG-2

1450 Field blank # 2 ~~FB-003~~ set (FB-2) collected with distilled water (no Type 2 Lab DI available). Combined/mixed 2.5 gal DI prior to field blank collection; ~~4.5~~ jugs (1-gal each)

1545 Equipment/supplies unloaded and stored in RIZZO TRAILER. Will depart site and pick up ice for sample coolers, pack coolers and prep for shipment.

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.
WEATHER CONDITIONS	IMPORTANT TELEPHONE CALLS

PERSONNEL ON SITE: JEF / JJG

FIELD ENGINEER: [signature] DATE 5/30/07

F-133 Leader

Paul C. Rizzo Associates, Inc.
ENGINEERS & CONSULTANTS

DATE	5/31/07
NO.	
SHEET	1 OF 1

FIELD ACTIVITY DAILY LOG

PROJECT NAME: Baseline Water Quality	PROJECT NO.
FIELD ACTIVITY SUBJECT: Surface Water	

DESCRIPTION ON DAILY ACTIVITIES AND EVENTS:

1230 Jack Friesner & Joe Grib (Mactec) arrive at Rizzo Trailer to get sample supplies to collect remaining surface water samples from SG-L1, SG-A3 and ~~SG~~ PG-1.

1310 Arrive at SG-A3 (Auvasse Creek location)

1315 Calibrate Horiba U-10 (Mactec MO14-10): Results
pH 4.01
SC 4490 uS/cm
Turb 0 NTU
DO 8.44 mg/L
T 24.8
Used Auto cal Solution
Lot # : 5309
Exp date : 6/15/08
(pH 4.00, Turb = 0 NTU, SC = 4490 uS/cm)

1335 Samples collected at SG-A3.

1435 Samples collected at ~~SG~~ PG-1.

1505 Samples collected at SG-L1.

1525 Field Blank #3 collected. Mixed 2.5 gal of Distilled water prior to filling containers.

1550 Departing site. Will Return to St. Louis to ship off samples (Note PACE samples will be handed over to local Representative).

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.
WEATHER CONDITIONS	IMPORTANT TELEPHONE CALLS
PERSONNEL ON SITE: Jack Friesner, Joe Grib	
FIELD ~~ENGINEER~~ Leader	DATE 5/31/07

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Paul C. Rizzo Associates, Inc.
ENGINEERS & CONSULTANTS

DATE	6	04	07
NO.			
SHEET	1	OF	1

FIELD ACTIVITY DAILY LOG

PROJECT NAME: Rizzo Baseline Water Quality	PROJECT NO.
FIELD ACTIVITY SUBJECT: Groundwater Sampling	

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

0900 J. Fellenor (JEF) & ~~Jeff~~ J Grib (JJG) (MACTEC) arrive on site. Deposit sampling equipment next to MW-1D.

0930 Praxair arrives with nitrogen tanks for bladder pumps. JEF/JJG to meet delivery truck in parking lot outside gates.

1000 Tanks dropped off in cage next to Rizzo Trailer (cage = tank cage for temporary storage provided by Ameren). Need field supplies (clamp for tubing, air fitting for pump line, etc). JEF/JJG heading to Fuzzy's.

1200 Return to MW-1D. Picked up tanks from cage along the way. Set up air tanks near well against protective post.

1350 Tanks not stable as set up. Will have to prop against side of truck between side doors. DW (Carey) obtained OK from Ameren (Carey) to lay tanks on ground strapped together while using. Will

1420 Begin Pumping.

1425 Water bubbling in return line. Bubbling constant through fill/discharge cycles. JEF believes bladder is ruptured. Need to call Pine Environmental (pump rental supplier).

1500 Pine concurs JEF's analysis. They will send 2nd pump (at their cost) to arrive tomorrow. In at Mactec office before 8:00 am, purging will resume at MW-1D. Defective pump and tubing left in well (hung from fitting). Will remove/replace when needed.

1555 JEF/JJG Depart site

NOTE: Horiba U-22 calibrated at 1400 with auto cal Solution (Lot #5301, Exp 6/08) (pH 4.00, SC 4490 us/cm, turbidity 0) (MACTEC #MO15-12)
Results: pH = 4.00, SC = 4520 us/cm, turb = 0.0, DO = 7.47 mg/L, T = 24.8 C, orp = 149 mv). JEF

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.
WEATHER CONDITIONS: Mostly clear, warm (mid 70's)	IMPORTANT TELEPHONE CALLS

PERSONNEL ON SITE: Jack Fellenor (JEF) and Joe Grib (JJG)

FIELD ENGINEER: [signature] DATE 6/4/07

F-133 Leace

Paul C. Rizzo Associates, Inc.
ENGINEERS & CONSULTANTS

DATE	6/05/07
NO.	
SHEET	OF

FIELD ACTIVITY DAILY LOG

PROJECT NAME: Rizzo Baseline Water Quality | PROJECT NO.:

FIELD ACTIVITY SUBJECT: Groundwater Sampling

DESCRIPTION ON DAILY ACTIVITIES AND EVENTS:

0915 J. Friesner / J. Erb (MACTEC) arrive. No bladder pump. Will do shallow wells today.

0945 Set up on MW-25

0950 Hydrolab calibrated. Readings (pH = 4.00, SC = 4490 µS/cm, turb = 0, DO = 8.53, T = 21.5°C, ORP = 131 mV)

1135 Sample collected from MW-25. Will Dispose of water at Facility water treatment basin.

1240 Set up on MW-35.

1330 Phone conversation with DAN CAREY:

WATER LEVEL NOT STABILIZING IN MW-35. Discussed alternatives (either volume purging or continue with low-flow utilizing ASTM Boundary limits). Since well is 4" diameter and a storage/transport tank is not available, Low Flow techniques will be used to purge/sample the wells even if drawdown is greater than allowed by ASTM.

1445 DAN CAREY phone conversation: Bob Holden asked if the pump could be cycled off and on in order to achieve stabilization. JEF believed it could but questioned the validity of the method. Decided that water level stabilization could not be achieved and proposed to stop pumping and return tomorrow with tank and sample MW-35 by 3 well volume purge method. Dan Carey agreed to proposed. Packing up equipment will discard purge water prior to moving to next well.

1525 Set up on MW-55

1605 Purging ceased at MW-55 due to excessive drawdown. Will have to purge

1630 Field blank collected (FB-4) MW-55 similar to MW-35. Will collect equipment blank and field blanks.

1645 Equipment Blank collected (EB-1). 1725 Leaving Site

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.
WEATHER CONDITIONS	IMPORTANT TELEPHONE CALLS

PERSONNEL ON SITE:

FIELD ~~ENGINEER~~ Leader

DATE 6/5/07

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Paul C. Rizzo Associates, Inc.
ENGINEERS & CONSULTANTS

DATE	6	6	07
NO.			
SHEET	1	OF	1

FIELD ACTIVITY DAILY LOG

PROJECT NAME Rizzo Baseline Water Quality	PROJECT NO.
FIELD ACTIVITY SUBJECT: Groundwater Samplings	

DESCRIPTION ON DAILY ACTIVITIES AND EVENTS:

0900 J. Fliesner & Joe Geib (Mactec) arrive on site. Loading up sample equipment for MW-1D. Pump (replacement) arrived at Mactec office. Will pull pump from MW-1D (left down well until replacement arrived) and reset with new pump.

0945 Begin Set up on MW-1D. See sample sheets for details
1000 Calibrated Horiba U-22 (see below)
1023 discovered leak in air supply line. Will repair and resume pumping
1155 Pump cycling with no water return. Will call Pine Environmental (pump rental supply) for assistance
1235 Water to cell. Pump is operating as expected.
1315 Samples collected from MW-1D. Will pull pump/tubing and breakdown for storage.
1515 Set up at MW-55. Will purge at least 3 well volumes (or until dry) prior to collecting sample.
1550 Field blank collected <FB-5>
1613 Well MW-55 Purged dry. Allow time to recover then sample.
1635 Samples collected at MW-55 Packing up equipment. Will Dump water (purge) at basin on site (water treatment basin).
1730 Departing Site

CALIBRATION:

~~VISITORS ON SITE:~~ Equipment Horiba U-22 (Mactec M015-02 Auto Cal Solution (Lot 5309, Exp 4/5/08) pH 4.0 Turbs: 0 NTU SC = 4490 µS/cm Results: pH = 4.00 SC = 4500 µS/cm Turbs 0.2 NTU DO = 8.3 mg/L ORP = 152 Temp 23.0°C	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.
WEATHER CONDITIONS	IMPORTANT TELEPHONE CALLS
PERSONNEL ON SITE: Jack Fliesner, Joe Geib	
FIELD ~~ENGINEER~~ Leader	DATE 6/6/07

F-133

Paul C. Rizzo Associates, Inc.
ENGINEERS & CONSULTANTS

DATE	6 11 07
NO.	
SHEET	1 OF

FIELD ACTIVITY DAILY LOG

PROJECT NAME: Rizzo Baseline Water Quality | PROJECT NO.:

FIELD ACTIVITY SUBJECT: Ground water sampling

DESCRIPTION ON DAILY ACTIVITIES AND EVENTS:

1000 Jack Friesner & Joe Gribs (Rizzo) Arrives on site. Loading up equipment to conduct GW sampling

1045 Arrive at MW-35. Set up equipment. Attempted low flow previously. Will Purge/Sample

1105 Calibrated U-22 Water quality meter (Horiba model U-22) with auto-cal solution (pH = 4.00, SC = 4490 uS/cm, 0 NTU) (Lot #5309, Exp 6/5/08)
Results: pH = 4.00, SC = 4490 uS/cm, TURB = 0 NTU, DO = 5.46 mg/L, T = 23.8°C, ORP = 168

1205 Well MW-35 Purged dry. Will allow time to recover and sample

1235 Recovery ~1 ft. Will pick up equipment (pull/decon pump) and go to Wildwood to sample PWS well.

1320 Samples collected at Wildwood well (MO 0273902). Water quality as follows
pH = 8.46 DO 1.68 (aerated) (mg/L)
SC = 830 uS/cm Temp 16.8°C
Turb = 30.4 NTU ORP -187 mV.

1405 Set up on MW-12.

1545 Samples collected at MW-12. Duplicate Sample collected at MW-12 (GW-D) time designated as 1610.

1645 Set up on MW-65.

1800 Well Purged dry. Cannot wait for recovery due to need for sample shipment. Will Return tomorrow and purge for final field parameters and sample (same for MW-35).

1825 Equipment blank #2 collected (EB-2) Packing up equipment. Will Have to ship samples from FedEx in ~~St. Louis~~ Jefferson City St. Louis.

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.
WEATHER CONDITIONS: Partly cloudy, warm/hot (85°F)	IMPORTANT TELEPHONE CALLS
PERSONNEL ON SITE: Jack Friesner, Joe Gribs	
FIELD ENGINEER: [signature]	DATE 6/11/07

F-133 Updated

Paul C. Rizzo Associates, Inc.
ENGINEERS & CONSULTANTS

DATE	6	12	07
NO.			
SHEET	1 OF 1		

FIELD ACTIVITY DAILY LOG

PROJECT NAME: Rizzo Baseline Water Quality | PROJECT NO.:

FIELD ACTIVITY SUBJECT: Ground water sampling / surface water quality parameters

DESCRIPTION ON DAILY ACTIVITIES AND EVENTS:

0910 JET/JSG (MACTEC) arrive at MW-65. Well was purged dry at 1800 on day before. Will set pump half way in water and pump at a rate for sampling. up to 3 readings (WQ Parameters) will be recorded prior to sample collection (~3 min between readings).

0920 Calibrated WQ meter Horiba U-22 (Mactec MO15-02) with auto cal solution (Lot 5309, Exp 6/5/08

Results: pH = 4.00
SC = 4490 µS/cm
Turb = 0
DO = 1.53
T = 22.8
ORP = 177

0945 Sample collected at MW-65. Pack up equipment and move to MW-35. Will stop by Trailer to get DI water and sample containers.

1115 Set up on MW-35. Haul dumped purge water (stored in tank from previous day) at treatment basin on site prior to arrival.
1125 Equipment Blank #3 collected <EB-3>
1140 Field blank #7 collected <FB-7>
1220 Sample collected from MW-35 Packing up equipment
1330 Field Sheet from 5/29/07 lost. Will Revisit PG-9, -8, -7 and -6 and collect water quality field data.
1335 Recalibrate U-22 with auto cal solution Lot = 5345 Exp 4/11/08 Results pH 3.98 SC 4500 Turb 0 DO 8.33 Temp 26.3 ORP 179
1400 Last Readings collected. New electric fence around pond for PG-7. No Access.
1415 Depart Site.

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.
WEATHER CONDITIONS: Mostly clear, warm/hot	IMPORTANT TELEPHONE CALLS

PERSONNEL ON SITE: Jack Fleischer, JoeCamb

FIELD ~~ENGINEER~~ Leader [signature] DATE 6/12/07

F-133

MACTEC

Surface Water Sampling Record

Project Name: Pinto Baseline Water Quality

Project Number: 3250075219.16.11

Field Team: T. Fellner / J. Gribb

Weather/ Conditions: Ptly cloudy

Start Date: 5/29/07

Equipment Used: Horiba U-10 (MACTEC #014-10)

Sample Location	Sample Date	Sample Time	Temperature (deg. C)	pH (standard units)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Analytes (see codes below)	Water Condition/Comments
PG-9	5/29/07	1115	27.4	8.23	1560	8.44	—	71	ALL	Slightly cloudy, tan
Sample Identification Number: PG-9			Chain-of-Custody Form Number:							
PG-8	5/29/07	1515	32.8	7.82	179	5.47	—	61	ALL	Slightly cloudy, light tan
Sample Identification Number: PG-8			Chain-of-Custody Form Number:							
PG-7	5/29/07	1100	30.7	7.90	413	5.64	—	146	ALL	cloudy, tan
Sample Identification Number: PG-7			Chain-of-Custody Form Number:							
PG-6	5/29/07	1655	27.7	8.23	2856	6.65	—	74	ALL	cloudy, tan w/ greenish hue
Sample Identification Number: PG-6			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							

Analytical Parameters: Anions (A), Biological (B), Total Metals (TM), Dissolved Metals (DM), Nitrogen (N), Water Quality (WQ), Radiological (R)

Signature: [signature]

Date: 5/29/07

Form Modified 5/23/07

MACTEC

Surface Water Sampling Record

Project Name: Rizzo Baseline Water Quality

Project Number: 32500752I9.(D.11

Field Team: JEF / JJG

Weather/ Conditions: Mostly cloudy, warm (70°-75°F)

Start Date: 5/30/07

Equipment Used: HORIBA U-10 (MACTEC M014-10) WQ Meter

Sample Location	Sample Date	Sample Time	Temperature (deg. C)	pH (standard units)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Analytes (see codes below)	Water Condition/Comments
S-01	5/30/07	1000	21.1	7.22	257	5.62	—	999 (MAX)	ALL	Very turbid/silty, brown
Sample Identification Number: S-01			Chain-of-Custody Form Number: 0960420 (INORGANICS, MW'S RAIN)							>20"
S-02	5/30/07	1100	21.2	7.49	255	5.50	—	999 (MAX)	ALL	Very turbid/silty, brown >20"
Sample Identification Number: S-02			Chain-of-Custody Form Number:							
PG-5	5/30/07	1155	26.4	7.32	223	1.29	—	90	ALL	Clear to v. slightly turbid, yellowish tan 6"
Sample Identification Number: PG-5			Chain-of-Custody Form Number:							
PG-4	5/30/07	1235	24.9	9.29	127	10.72	—	11	ALL	v. slightly turbid/cloudy, tan, 12"
Sample Identification Number: PG-4 / SW-D			Chain-of-Custody Form Number:			DUPLICATE COLLECTED; LABELLED SW-D w/ time of 1300				
PG-3	5/30/07	1340	25.0	7.94	358	7.71	—	13	ALL	Clear to v. slightly turbid, light tan 6"
Sample Identification Number:			Chain-of-Custody Form Number:							
PG-2	5/30/07	1430	27.2	7.68	203	7.01	—	176	ALL	cloudy, tan, 8"; green algae floating in water.
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							

Analytical Parameters: Anions (A); Biological (B); Total Metals (TM); Dissolved Metals (DM); Nitrogen (N); Water Quality (WQ); Radiological (R)

Signature: [signature]

Date: 5/30/07

Form Modified 5/23/07

MACTEC

Surface Water Sampling Record

Project Name: Rizzo Baseline Water Quality

Project Number: 325007 5219.10.11

Field Team: JEF/SJG

Weather/ Conditions: Mostly Clear

Start Date: 5/31/07

Equipment Used: Horiba U-10 (MACTEC M014-10)

Sample Location	Sample Date	Sample Time	Temperature (deg. C)	pH (standard units)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Analytes (see codes below)	Water Condition/Comments
SG-A3	5/31/07	1335	25.0	7.38	303	10.36	—	35	ALL	Slightly turbid, light tan 24"
Sample Identification Number:			Chain-of-Custody Form Number:							
PG-1	5/31/07	1435	28.9	8.13	105	9.23	—	22	ALL	slightly turbid, light tan 6" vegetated area
Sample Identification Number:			Chain-of-Custody Form Number:							
SG-L1	5/31/07	1505	25.2	8.05	258	10.89	—	8	ALL	clear, light yellow 6"
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							

Analytical Parameters: Anions (A), Biological (B), Total Metals (TM), Dissolved Metals (DM), Nitrogen (N), Water Quality (WQ), Radiological (R)

Signature: [signature]

Date: 5/31/07

Form Modified 5/23/07

MACTEC

Surface Water Sampling Record

Project Name: Rizzo Baseline Water Quality

Project Number: 32500752 19.10.11

Field Team: JEF, JJC

Weather/ Conditions: ~~Mostly Cloudy~~ Mostly Clear, hot (85°F)

Start Date: 6/12/07

Equipment Used: Horiba U-22 (MACTEC M015-07)

Sample Location	Sample Date	Sample Time	Temperature (deg. C)	pH (standard units)	Specific Conductivity µS (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Analytes (see codes below)	Water Condition/Comments
PG-9		1335	27.5	7.56	1910	7.05	117	20.4	—	6" deep
Sample Identification Number:			Chain-of-Custody Form Number:							
PG-8		1345	33.5	8.38	348	8.78	61	6.2	—	4" deep
Sample Identification Number:			Chain-of-Custody Form Number:							
PG-7	No Access -	New Electric ~~Fence~~ around pond								
Sample Identification Number:			Chain-of-Custody Form Number:							
PG-6		1400	27.8	8.89	451	9.55	49	16.9		12" deep
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							
Sample Identification Number:			Chain-of-Custody Form Number:							

Analytical Parameters: Anions (A), Biological (B), Total Metals (TM), Dissolved Metals (DM), Nitrogen (N), Water Quality (WQ), Radiological (RAD), etc.

Signature: [signature]

Date: 6/12/07

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality

Project Number: 3259[illegible]9.10.11

Field Team: JEF | JSG

Date: 6/4/07

Start Time: 1215

Weather/ Conditions: partly cloudy, warm

Well Number: MW-1D

Low-Flow Sampling? (YES) NO

Sampling Method: DDB (BP) PP IP Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: _____ ft. BTOC Initial Water Level: 292.97 ft. BTOC Water Column: _____ ft Well Volume: _____ gal Purge Volume: _____ gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1420	Pump ON								
1425	BLADDER FAILURE.								

Sample Collection Time:	
Sample Identification Number:	
Chain-of-Custody Form Number:	

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: _____ Date: 6/4/07

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Buzzo Bushline Water Quality
Date: 6/6/07
Well Number: MW-1D

Project Number: 32500752 19.10.11
Start Time: 0945
Low Flow Sampling? (YES) NO

Field Team: JKF, JJG
Weather/ Conditions: mostly clear, windy, warm (75-80°)
Sampling Method: DDB (BP) PP IP Other:
(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: ft. BTOC
Initial Water Level: 292.95 ft. BTOC
Water Column: ft.
Well Volume: gal
Purge Volume: gal
(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity µS~~mS~~/cm	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1116	Pump ON								
1123	Discovered leak in air line. Have to replace compression fitting.								
1140	Resume pumping								
1155	Called pump supplier for assistance in pump settings								
1235	WATER TO CELL								
1235	Initial	293.30	17.0	6.83	755	1.10	51	78.3	Flow = 400mL/70 sec
1242		293.22	17.1	7.32	750	0.06	8	81.7	
1246		293.~~12~~ 00	17.0	7.42	750	0.00	-3	95.2	WATER LEVEL @ END OF DISCHARGE CYCLE
1250		292.90	17.0	7.51	748	0.00	-13	~~89~~ 37.6	
1254		293.10	16.9	7.55	759	0.00	-20	40.6	
Sample Collection Time:	—								
Sample Identification Number:	—								
Chain-of-Custody Form Number:	—								
Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological									

Signature: —
Date:

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality
Date: 6/6/07
Well Number: MW-1D

Project Number: 32500752I9.10.11
Start Time: 0945
Low Flow Sampling? (YES) NO

Field Team: JEF, JJC
Weather/ Conditions: mostly clear, warm
Sampling Method: DDB (BP) PP IP Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: ft. BTOC Initial Water Level: ft. BTOC Water Column: ft. Well Volume: gal Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (µS ~~mS~~/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1258		292.90	17.2	7.59	754	0.00	-30	37.0	
1302		292.70	18.3	7.61	759	0.00	-34	33.4	
1306		292.70	17.7	7.64	766	0.00	-40	15.2	
1310		292.70	17.8	7.66	764	0.00	-44	19.4	
1314		292.70	17.7	7.67	760	0.00	-50	13.4	

Sample Collection Time: 1315

Sample Identification Number: MW-1D

Chain-of-Custody Form Number:

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: [signature] Date: 6/6/07

MACTEC

Well Purging/Sampling Record

Project Name: RIZZO Baseline Water Quality
Date: 6/5/07
Well Number: MW-25

Project Number: 325007521G.10.11
Start Time: 0945
Low Flow Sampling? (YES) NO

Field Team: JEF, JSG
Weather/ Conditions: clear, mild (low 70's)
Sampling Method: DDB BP PP (IP) Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: ft. BTOC Initial Water Level: 12.61 ft BTOC Water Column: ft. Well Volume: gal Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or ml.)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity µS ~~mS~~/cm	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1004	Pump ON								
1009	Initial	12.70	14.8	6.92	797	2.71	97	999 (max)	
1014		12.64	14.9	6.92	793	2.39	103	999 (max)	Flow ≈ 352 mL/min (by volume timing)
1019		12.60	14.9	6.94	794	2.92	107	659	
1024		12.56	15.4	7.00	788	3.16	108	526	
1029		12.50	15.4	7.04	791	3.37	109	455	
1034		12.60	15.3	7.02	780	3.12	109	365	
1039		12.72	14.7	7.02	784	3.32	108	444	
1044		12.75	14.6	7.01	780	3.25	108	408	
1049		12.90	14.5	7.01	777	3.45	107	~~591~~ 449	Reduced flow rate to 300 mL/min

Sample Collection Time:	—
Sample Identification Number:	
Chain-of-Custody Form Number:	

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: — Date:

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Bossenna Water Quality
Date: 6/5/07
Well Number: MW-25

Project Number: 32500752919.10.11
Start Time: 0945
Low Flow Sampling? (YES) NO

Field Team: JEF, JSG
Weather/ Conditions:
Sampling Method: DDB BP PP (IP) Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: ft. BTOC Initial Water Level: ft. BTOC Water Column: ft. Well Volume: gal Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity µmS/cm	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1053		12.60	15.3	7.03	774	3.65	109	361	
1058		12.60	15.3	7.00	769	3.56	109	356	
1100	BATTERY DISCONNECTED - LOST FLOW								
1101		12.90	14.9	7.06	1150	4.22	107	380	FLOW very high (> 500 mL/min)
1105		12.60	15.4	7.07	1170	3.61	107	369	Reduce flow to 325 mL/min JSF
1109		12.66	15.1	7.06	1150	3.57	106	157	
1113		12.51	15.5	7.09	1170	3.64	109	148	
1117		12.56	15.5	7.08	1170	3.59	108	144	
1122		12.52	15.9	7.07	1160	3.49	111	112	
1126		12.52	15.7	7.08	1160	3.44	108	116	

Sample Collection Time:	
Sample Identification Number:	
Chain-of-Custody Form Number:	

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: _____ Date: _____

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality

Project Number: 3256075219.10.11

Field Team: JEF, JJG

Date: 6/5/07

Start Time: 0945

Weather/ Conditions:

Well Number: MW-25

Low Flow Sampling? (YES) NO

Sampling Method: DDB BP PP (P) Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, P=Impeller Pump)

Well Depth: ft. BTOC Initial Water Level: ft. BTOC Water Column: ft Well Volume: gal Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1130		12.52	16.0	7.08	1160	3.42	108	104	

Sample Collection Time:	1135
Sample Identification Number:	MW-25
Chain-of-Custody Form Number:	
1135	Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: [signature]

Date: 6/5/07

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Brocure Water Quality
Date: 6/5/07
Well Number: MW 35

Project Number: 3242007529.10.11
Start Time: 1250
Low Flow Sampling? (YES) NO

Field Team: JEF, JJC
Weather/ Conditions: partly cloudy, mid 70's
Sampling Method: DDB BP PP (IP) Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: ft. BTOC
Initial Water Level: 19.61 ft. BTOC
Water Column: ft.
Well Volume: gal
Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1304	Pump on								
1313	Initial	~~19~~ 20.14	16.3	7.26	731	5.15	72	999 (max)	
1320		20.58	18.8	6.93	715	3.85	93	999 (max)	Pump rate ~ 210 mL/min
1324		20.76	19.9	7.15	713	4.14	89	867	
* 1332		21.20	18.2	~~7.37~~	701	4.82	80	999 (max)	
1336		21.47	17.2	7.37	726	5.46	79	793	Increased pump rate to ~300 mL/min
1340		21.56	17.2	7.38	722	4.93	74	601	
1344		22.26	17.1	7.40	719	4.83	73	493	
1350		22.97	16.2	7.46	724	5.46	68	353	
1357		23.70	15.0	7.45	719	5.25	65	255	

Sample Collection Time:

Sample Identification Number:

Chain-of-Custody Form Number:

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

* Post recoverable drawdown per ASTM ; continue until WL stabilizes.

Signature: Date:

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality
Date: 6/5/07
Well Number: MW-35

Project Number: 3250075219.10.11
Start Time:
Low Flow Sampling? (YES) NO

Field Team: JEF, JJG
Weather/ Conditions:
Sampling Method: DDB BP PP (IP) Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: ft. BTOC Initial Water Level: ft. BTOC Water Column: ft. Well Volume: gal Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity ~~uS (mS/cm)~~	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1402		24.56	15.5	7.45	714	~~2~~4.92	62	230	
1408		25.35	16.5	7.52	709	4.64	60	201	
1412		25.86	15.5	7.51	707	5.10	57	191	
1422		27.40	15.8	7.52	699	4.88	55	353	
1432		28.29	17.0	7.52	689	4.77	58	239	
1443	Stop Purging — 4 Stabilization not attainable								

Sample Collection Time:	
Sample Identification Number:	
Chain-of-Custody Form Number:	

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: Date: 6/5/07

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality
Date: 6/11/07
Well Number: MW-35
Project Number: 3125067S219.10.11
Start Time: 1045
Low Flow Sampling? YES (NO)
Field Team: JEF, JJS
Weather/ Conditions: Partly cloudy, warm
Sampling Method: DDB BP PP (IP) Other:
(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: 58.46 ft. BTOC
Initial Water Level: 22.20 ft. BTOC
Water Column: 36.26 ft.
Well Volume: 23.68 gal
Purge Volume: 71.04 (72) gal
(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1112	Purge Initiated		16.8	6.87	1150	9.07	101	999 (max)	Silty, light reddish tan
1134	12 gal	46.67	13.9	7.54	731	6.06	23	999 (max)	Turbid, light reddish tan (pinkish) silt
1145	24 gal	52.12	14.3	7.43	737	6.83	45	999 (max)	" " w/ increased silt
1205	35 gal	Well purged dry. Pump set at bottom – pull up ~ 2 ft. and wait for recovery.							
1235		57.2	Water slow to recharge. Will turn Pump and go to next location and return to collect Sample.						
			Return on 6/12 to collect sample (within 24 hours of being purged dry)						

Sample Collection Time: —
Sample Identification Number: —
Chain-of-Custody Form Number: —

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: [signature]
Date: 6/11/07

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality

Project Number: 3250075219.1011

Field Team: JLF | JJG

Date: 6/12/07

Start Time: 1115

Weather/ Conditions: mostly clear, warm, hot 80°F

Well Number: MW-38

Low Flow Sampling? YES (NO)

Sampling Method: DDB BP PP (IP) Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: ft. BTOC Initial Water Level: 50.09 ft. BTOC Water Column: ft. Well Volume: gal Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1203	Pump on								
1211	Initial	50.21	19.2	7.25	744	2.64	88	161	
1214		50.37	17.5	6.47	771	1.69	110	107	
1217		50.62	16.5	6.26	767	1.50	122	83.8	clear to slightly turbid

Sample Collection Time: 1220

Sample Identification Number: MW-38

Chain-of-Custody Form Number:

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: [signature]

Date: 6/12/07

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality

Project Number: 3275007529.1011

Field Team: JEF, JSG

Date: 6/5/07

Start Time: 1525

Weather/ Conditions: partly cloudy, 80°F

Well Number: MW-55

Low Flow Sampling? (YES) NO

Sampling Method: DDB BP PP (IP) Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: ft. BTOC Initial Water Level: 29.08 ft. BTOC Water Column: ft Well Volume: gal Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1536	Pump on								
1549	Initial	30.20	~~7.13~~ 16.4	7.13	1970	10.50	85	198	Water level dropping rapidly
1553		30.50							while pumping at lowest
↓		↓							rate (Q = 200 mL/min
↓		↓							
1557		30.26	16.4	6.81	1970	7.12	94	108	
1603		31.93	Stop purging - well will not stabilize (water level dropping)						

Sample Collection Time: —

Sample Identification Number: —

Chain-of-Custody Form Number:

X Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: [signature]

Date: 6/5/07

Page 1 of 1

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality
Date: 6/6/07
Well Number: MW-55
Project Number: 325007521 9.10.11
Start Time: 1515
Low Flow Sampling? YES (NO)
Field Team: JLF, JJG
Weather/ Conditions: mostly clear, warm/hot (85°F)
Sampling Method: DDB BP PP (IP) Other:
(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: 55.14 ~~29.67~~ BTOC Initial Water Level: 29.67 ft BTOC Water Column: 25.47 ft. Well Volume: 4.15 gal Purge Volume: 12.5 gal
(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1530	Pump on								
1531	Initial	30.80	19.4	7.45	1910	8.17	71	84.5	
1544	~~1.5~~ 3 gal	35.66	14.7	7.11	1970	6.33	65	~~66~~ 63.2	WATER CLEAR
1550	4.5	37.15	14.6	7.28	1920	6.86	56	26.8	Flow at ~1 L/min; will increase
1554	6.0	39.46	14.0	7.24	1950	6.90	54	32.7	Flow at ~1.4 L/min
1557	7.5	44.07	14.1	7.13	2050	7.20	53	144	WATER TURNED CLOUDY, WILL Reduce flow
1559	9.0	44.50	14.7	7.22	2040	7.17	54	140	Flow Reduced to ~400 mL/min
1603	10.0	44.94	14.6	7.20	2080	7.17	52	116	
1608	11.5	45.10	14.6	7.23	2100	7.10	52	191	Turbidity increasing, Will increase flow to purge dry.
1611	14 gal	51.00	14.7	7.24	1970	7.13	51	244	

Sample Collection Time:	—
Sample Identification Number:	—
Chain-of-Custody Form Number:	

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: — Date:

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality
Date: 6/6/07
Well Number: MW-55

Project Number: 3200075219.10.U
Start Time: 1515
Low Flow Sampling? YES (NO)

Field Team: JEP/JJG
Weather/ Conditions:
Sampling Method: DDB BP PP (IP) Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: ft. BTOC Initial Water Level: ft. BTOC Water Column: ft. Well Volume: gal Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1613	15.5gal		Well purged dry.		Allow time for recovery and			sample	

Sample Collection Time:	1635
Sample Identification Number:	MW-55
Chain-of-Custody Form Number:	

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: Date: 6/6/07

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality
Date: 6/11/07
Well Number: MW-65

Project Number: 325007529.10.11
Start Time: 1645
Low Flow Sampling? (YES) NO

Field Team: JEF | ~~JS~~
Weather/ Conditions: partly cloudy, v. warm (80's-85°)
Sampling Method: DDB BP PP (IP) Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: 52.44 ft. BTOC
Initial Water Level: 21.98 ft. BTOC
Water Column: 30.46 ft.
Well Volume: 4.96 gal
Purge Volume: 14.88 (15) gal
(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1711	Pump on								
1716	Initial	22.90	17.8	6.97	640	8.96	80	999 (max)	
1719		24.00	17.5	6.65	694	6.08	96	999 (max)	Flowrate (Q) ≤ 150 mL/min (lowest setting)
1722		24.44	18.8	6.72	695	6.43	100	999 (max)	
1725		24.96	17.8	6.79	699	6.92	100	999 (max)	Water level not stabilizing at min flowrate (approx ≥ 150 mL/min). Decrease → ASTM guidance. Will purge 3 well vol's then sample.
1735	5 gal	34.50	14.1	7.39	1070	6.29	25	889	
1740	10 gal	42.20	14.3	7.30	1100	6.93	42	999 (max)	
1800	15 gal			7.45	7		48	999 (max)	Well purged dry during final parameters
									Pump failed during interval. New pump being installed and brought online
		Will not meet hold times if we wait for recovery. Will sample tomorrow. JEF.							

Sample Collection Time:	—
Sample Identification Number:	—
Chain-of-Custody Form Number:	—

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: [signature]
Date: 6/11/07

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality

Project Number: 3250875219.10.11

Field Team: JEF/JSG

Date: 6/12/07

Start Time: 0910

Weather/ Conditions: mostly clear, warm (75°F)

Well Number: MW-6S

Low Flow Sampling? YES (NO)

Sampling Method: DDB BP PP (B) Other:

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, B=Impeller Pump)

Well Depth: ft. BTOC

Initial Water Level: 22.41 ft. BTOC

Water Column: ft.

Well Volume: gal

Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
0933	Pump on								
0936		23.71	15.3	6.58	1400	9.44	180	569	
0939		24.57	14.7	6.46	1360	8.74	171	744	
0942		25.84	15.0	6.55	1350	8.50	168	687	turbid, tan
									Water clearing during
									sample collection

Sample Collection Time:	0945
Sample Identification Number:	MW-6S
Chain-of-Custody Form Number:	

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: [signature]

Date: 6/12/07

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

Project Name: Rizzo Baseline Water Quality
Date: 6/11/07
Well Number: MW-12
Project Number: 3250075249.10.11
Start Time: 1405
Low Flow Sampling? YES NO
Field Team: JCP/JBC
Weather/ Conditions: partly cloudy, warm (80°)
Sampling Method: DDB BP PP IP Other:
(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: 57.88 ft. BTOC
Initial Water Level: 26.70 ft. BTOC
Water Column: 31.18 ft
Well Volume: 5.08 gal
Purge Volume: 15.24 (16) gal
(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
1422	Pump on								
1428		27.52	18.1	7.21	960	9.66	67	285	Purge rate (Q) ≈ 150mL/min
1432		28.06	19.6	6.97	953	7.77	97	233	
1434		28.50	19.1	7.00	947	6.92	101	232	Q≈150 mL/mn
1440		29.48	18.1	6.95	955	6.55	105	260	Water level dropping too great. Will switch to 3 well volume purge.
1443	2 gal	36.30							
1449	5 gal	39.73	14.4	7.23	945	6.24	49	224	turbid, tan
1457	10 gal	50.12	14.2	7.30	948	5.87	50	275	
1502	13 gal		Purged dry. Allow Time for Recovery						

Sample Collection Time: 1545 (Duplicate <GW-D> collected, marked with time 1610)
Sample Identification Number: MW-12 (GW-D)
Chain-of-Custody Form Number:
Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature:
Date: 6/11/07

Form Modified 5/23/07

MACTEC

Well Purging/Sampling Record

(Wildwood Well)

Project Name: Rizza Baseline Water Quality

Project Number: 3250C752 19.10.11

Field Team: JET, JVB

Date: 6/11/07

Start Time: 1305

Weather/ Conditions: Partly cloudy, warm (50°-55°)

Well Number: MO 027390

Low Flow Sampling? YES (NO)

Sampling Method: DDB BP PP IP Other: GRAB

(DDB=Dedicated Disposable Bailer, BP=Bladder Pump, PP=Peristaltic Pump, IP=Impeller Pump)

Well Depth: ft. BTOC Initial Water Level: ft. BTOC Water Column: ft. Well Volume: gal Purge Volume: gal

(1" = 0.041 gal/ft., 2" = 0.163 gal/ft., 4" = 0.653 gal/ft., 6" = 1.47 gal/ft.)

Time	Volume Removed (gal or mL)	Water Level (ft BTOC)	Temperature (deg. C)	pH (standard units)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Condition/Comments
	Collecting water from tap immediately out of wellhead (prior to treatment)								
	Water on for ~5 minutes @ 10 gal/min prior to sample collection (pump running)								
			16.8	8.46	830	1.68 (corrected)	-187	30.4	Sulphur odor.

Sample Collection Time: 1320

Sample Identification Number: MO 027390

Chain-of-Custody Form Number:

Analytical Parameters: Anions, Biological, Total Metals, Dissolved Metals, Nitrogen, Water Quality, Radiological

Signature: [signature]

Date: 6/11/07

Page 1 of 1

Form Modified 5/23/07

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June 19, 2007

Dan Carey
Rizzo Environmental
602 Market Street, Box 103
Fulton, MO 65251

RE: Project: Surface Water Quality
Pace Project No.: 6023371

Dear Dan Carey:
Enclosed are the analytical results for sample(s) received by the laboratory on May 30, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6023371001	PG-9	Water	05/29/07 14:15	05/30/07 08:45
6023371002	PG-8	Water	05/29/07 15:15	05/30/07 08:45
6023371003	PG-7	Water	05/29/07 16:00	05/30/07 08:45
6023371004	PG-6	Water	05/29/07 16:55	05/30/07 08:45
6023371005	FB-1	Water	05/29/07 17:20	05/30/07 08:45

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Method	Analytes Reported
6023371001	PG-9	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	17
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023371002	PG-8	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	17
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023371003	PG-7	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Method	Analytes Reported
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	17
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023371004	**PG-6**	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	17
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023371005	**FB-1**	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	17
		EPA 7470	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Method	Analytes Reported
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-9 **Lab ID: 6023371001** Collected: 05/29/07 14:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 09:44	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:44	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:44	7440-38-2	
Barium	**70.7**	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:44	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 09:44	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7439-92-1	
Manganese	**60.2**	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 09:44	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 09:44	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 09:44	7440-28-0	
Calcium	**40400**	ug/L	100	1	06/01/07 00:00	06/11/07 09:44	7440-70-2	
Magnesium	**10800**	ug/L	50.0	1	06/01/07 00:00	06/11/07 09:44	7439-95-4	
Sodium	**242000**	ug/L	500	1	06/01/07 00:00	06/11/07 09:44	7440-23-5	
Potassium	**2920**	ug/L	500	1	06/01/07 00:00	06/11/07 09:44	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:33	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**10.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:08		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**77.6**	mg/L	20.0	1		06/05/07 15:56		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**148**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**852**	mg/L	5.0	1		06/01/07 09:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/02/07 13:45		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:36	06/05/07 09:15		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.65**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-9 **Lab ID: 6023371001** Collected: 05/29/07 14:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 11:31	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 11:31	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**433**	mg/L	10.0	10		06/11/07 18:24	16887-00-6	
Sulfate	**38.1**	mg/L	1.0	1		05/31/07 11:31	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:07	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.65**	mg/L	0.20	1		06/14/07 13:15	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:12		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:53	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**13.3**	mg/L	10.0	1		06/04/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-8 **Lab ID: 6023371002** Collected: 05/29/07 15:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	**300**	ug/L	75.0	1	06/01/07 00:00	06/11/07 09:59	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:59	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:59	7440-38-2	
Barium	**66.6**	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:59	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 09:59	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7439-92-1	
Manganese	**312**	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 09:59	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 09:59	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 09:59	7440-28-0	
Calcium	**35000**	ug/L	100	1	06/01/07 00:00	06/11/07 09:59	7440-70-2	
Magnesium	**6730**	ug/L	50.0	1	06/01/07 00:00	06/11/07 09:59	7439-95-4	
Sodium	**10500**	ug/L	500	1	06/01/07 00:00	06/11/07 09:59	7440-23-5	
Potassium	**3940**	ug/L	500	1	06/01/07 00:00	06/11/07 09:59	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:38	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**10.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**97.3**	mg/L	20.0	1		06/05/07 16:06		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**123**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**183**	mg/L	5.0	1		06/01/07 09:54		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**5.0**	mg/L	5.0	1		06/02/07 13:46		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:37	06/05/07 09:20		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**1.4**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-8 **Lab ID: 6023371002** Collected: 05/29/07 15:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 12:09	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 12:09	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**10.1**	mg/L	1.0	1		05/31/07 12:09	16887-00-6	
Sulfate	**20.5**	mg/L	1.0	1		05/31/07 12:09	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:11	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.4**	**mg/L**	**0.20**	1		06/14/07 13:17	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:16		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:55	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**20.8**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-7 **Lab ID: 6023371003** Collected: 05/29/07 16:00 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	**554**	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:04	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:04	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:04	7440-38-2	
Barium	**120**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:04	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:04	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7439-92-1	
Manganese	**136**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:04	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:04	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:04	7440-28-0	
Calcium	**33100**	ug/L	100	1	06/01/07 00:00	06/11/07 10:04	7440-70-2	
Magnesium	**5150**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:04	7439-95-4	
Sodium	**88700**	ug/L	500	1	06/01/07 00:00	06/11/07 10:04	7440-23-5	
Potassium	**3680**	ug/L	500	1	06/01/07 00:00	06/11/07 10:04	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:39	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**40.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:10		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**76.8**	mg/L	20.0	1		06/05/07 16:11		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**117**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**347**	mg/L	5.0	1		06/02/07 14:10		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**61.0**	mg/L	5.0	1		06/02/07 13:47		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:40	06/05/07 09:22		B2
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**1.3**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-7 **Lab ID: 6023371003** Collected: 05/29/07 16:00 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 12:22	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 12:22	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**139**	mg/L	5.0	5		06/11/07 18:37	16887-00-6	
Sulfate	**11.7**	mg/L	1.0	1		05/31/07 12:22	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.16**	mg/L	0.10	1		06/05/07 16:13	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.5**	mg/L	0.20	1		06/14/07 13:19	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:18		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:56	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**32.9**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-6 **Lab ID: 6023371004** Collected: 05/29/07 16:55 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	**210**	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:09	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:09	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:09	7440-38-2	
Barium	**124**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:09	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:09	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7439-92-1	
Manganese	**52.0**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:09	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:09	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:09	7440-28-0	
Calcium	**28200**	ug/L	100	1	06/01/07 00:00	06/11/07 10:09	7440-70-2	
Magnesium	**3990**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:09	7439-95-4	
Sodium	**50800**	ug/L	500	1	06/01/07 00:00	06/11/07 10:09	7440-23-5	
Potassium	**3610**	ug/L	500	1	06/01/07 00:00	06/11/07 10:09	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:40	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**15.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:10		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**66.3**	mg/L	20.0	1		06/05/07 16:16		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**98.3**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**249**	mg/L	5.0	1		06/02/07 14:10		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**9.0**	mg/L	5.0	1		06/02/07 13:47		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:43	06/05/07 09:25		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.92**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-6 **Lab ID: 6023371004** Collected: 05/29/07 16:55 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 13:08	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 13:08	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**83.8**	mg/L	5.0	5		06/11/07 18:50	16887-00-6	
Sulfate	**12.4**	mg/L	1.0	1		06/11/07 19:02	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.18**	mg/L	0.10	1		06/05/07 16:14	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.1**	mg/L	0.20	1		06/14/07 13:20	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:21		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:57	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**17.6**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: FB-1 **Lab ID: 6023371005** Collected: 05/29/07 17:20 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:13	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:13	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:13	7440-38-2	
Barium	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:13	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:13	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7439-92-1	
Manganese	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:13	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:13	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:13	7440-28-0	
Calcium	ND	ug/L	100	1	06/01/07 00:00	06/11/07 10:13	7440-70-2	
Magnesium	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:13	7439-95-4	
Sodium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 10:13	7440-23-5	
Potassium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 10:13	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:42	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:10		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/05/07 16:19		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/02/07 14:11		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**16.0**	mg/L	5.0	1		06/02/07 13:47		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:46	06/05/07 09:29		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: FB-1 **Lab ID: 6023371005** Collected: 05/29/07 17:20 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 13:18	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 13:18	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/11/07 19:15	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/11/07 19:15	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:14	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:22	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:22		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:58	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/06/07 00:00		

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4710 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187351
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 187352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.8	97	90-110	
Nitrite as N	mg/L	5	4.8	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 187353 187354

Parameter	Units	6023371001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	5.7	5.7	105	106	61-128	.8	7	
Nitrite as N	mg/L	ND	5	5	5.3	5.3	106	107	73-144	.4	5	

SAMPLE DUPLICATE: 187355

Parameter	Units	6023371003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	ND	ND	200	11	R3
Nitrite as N	mg/L	ND	.08J	200	10	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7694 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187357
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 187358

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	10.0	10.0	0	10	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4711 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187359
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 187360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.9	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 187361 187362

Parameter	Units	6023371001 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	ND	2	2	1.9	2.0	93	100	90-110	8	20	

SAMPLE DUPLICATE: 187363

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	.067J	16	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7698 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187515
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 187516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	195	99	85-115	

SAMPLE DUPLICATE: 187517

Parameter	Units	6023359001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	4550	4150	9	22	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7709 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023371001, 6023371002

METHOD BLANK: 187834
Associated Lab Samples: 6023371001, 6023371002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 187835

Parameter	Units	6023282004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	883	894	1	5	

SAMPLE DUPLICATE: 187836

Parameter	Units	6023282014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1700	1660	2	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: MPRP/4182 Analysis Method: EPA 6010
QC Batch Method: EPA 3005 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 188574
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 188575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9720	97	80-120	
Arsenic	ug/L	1000	1010	101	80-120	
Barium	ug/L	1000	959	96	80-120	
Beryllium	ug/L	1000	976	98	80-120	
Cadmium	ug/L	1000	998	100	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	1000	990	99	80-120	
Lead	ug/L	1000	993	99	80-120	
Magnesium	ug/L	10000	9890	99	80-120	
Manganese	ug/L	1000	990	99	80-120	
Nickel	ug/L	1000	993	99	80-120	
Potassium	ug/L	10000	9770	98	80-120	
Selenium	ug/L	1000	991	99	80-120	
Silver	ug/L	500	483	97	80-120	
Sodium	ug/L	10000	9150	92	80-120	
Thallium	ug/L	1000	953	95	80-120	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 188576 188577

Parameter	Units	6023371001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	20000	20000	19700	19300	98	96	75-125	2	20	
Arsenic	ug/L	ND	2000	2000	2030	2010	101	100	75-125	1	20	
Barium	ug/L	70.7	2000	2000	1990	1950	96	94	75-125	2	20	
Beryllium	ug/L	ND	2000	2000	1940	1910	97	95	75-125	2	20	
Cadmium	ug/L	ND	2000	2000	1970	1940	99	97	75-125	1	20	
Calcium	ug/L	40400	20000	20000	61800	61400	107	105	75-125	.7	20	
Chromium	ug/L	ND	2000	2000	1970	1940	98	97	75-125	2	20	
Lead	ug/L	ND	2000	2000	1980	1940	99	97	75-125	2	20	
Magnesium	ug/L	10800	20000	20000	31200	30800	102	100	75-125	1	20	
Manganese	ug/L	60.2	2000	2000	2040	2010	99	97	75-125	1	20	
Nickel	ug/L	ND	2000	2000	1960	1940	98	97	75-125	1	20	
Potassium	ug/L	2920	20000	20000	24900	24400	110	108	75-125	2	20	
Selenium	ug/L	ND	2000	2000	1990	1960	100	98	75-125	2	20	
Silver	ug/L	ND	1000	1000	985	970	99	97	75-125	2	20	
Sodium	ug/L	242000	20000	20000	304000	308000	309	329	75-125	1	20	M0
Thallium	ug/L	ND	2000	2000	1920	1880	96	94	75-125	2	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7738 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 188818
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 188819

Parameter	Units	6023282014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	26600	25200	5	5	

SAMPLE DUPLICATE: 188820

Parameter	Units	6023409001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	10	10	0	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7741 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023371003, 6023371004, 6023371005

METHOD BLANK: 189042
Associated Lab Samples: 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 189043

Parameter	Units	6023282011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	360	348	3	5	

SAMPLE DUPLICATE: 189044

Parameter	Units	6023410004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	408	410	.5	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4728
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Associated Lab Samples: 6023371001

METHOD BLANK: 189176
Associated Lab Samples: 6023371001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 189177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	50.0	100	85-116	

MATRIX SPIKE SAMPLE: 189179

Parameter	Units	6023290001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	60.8	109	33-135	

SAMPLE DUPLICATE: 189178

Parameter	Units	6023290001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	11.6	59	14	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4729 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 189206
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 189207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 189208

Parameter	Units	6023436002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.1	103	58-132	

SAMPLE DUPLICATE: 189209

Parameter	Units	6023436003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	.015J	0	12	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4742 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 189606
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 189607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	97	90-110	

MATRIX SPIKE SAMPLE: 189608

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 189609

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.046J	7	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7784 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 190181
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 190182

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	483	97	90-110	

SAMPLE DUPLICATE: 190183

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	77.6	78.3	.8	6	

SAMPLE DUPLICATE: 190184

Parameter	Units	6023411001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	83.6	85.2	2	6	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4753 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 190278
Associated Lab Samples: 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 190279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	52.3	105	85-116	

MATRIX SPIKE SAMPLE: 190280

Parameter	Units	6023660001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	13.4	50	69.2	112	33-135	

SAMPLE DUPLICATE: 190281

Parameter	Units	6023417001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND	0	14	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7848 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 191538
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Oil and Grease	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 191539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.0	100	78-114	

MATRIX SPIKE SAMPLE: 191540

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	43	43.4	99	78-114	

SAMPLE DUPLICATE: 191541

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND	18	18	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4780 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 191932
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 191933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.3	105	90-110	
Sulfate	mg/L	5	5.5	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 191934 191935

Parameter	Units	6023450041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	243	50	50	271	268	56	50	57-123	1	6	M1
Sulfate	mg/L	109	50	50	169	165	120	111	60-133	3	12	

SAMPLE DUPLICATE: 191936

Parameter	Units	6023450042 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	275	277	7	14	
Sulfate	mg/L	111	112	1	11	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7869 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

SAMPLE DUPLICATE: 192413

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	148	150	1	5	

SAMPLE DUPLICATE: 192414

Parameter	Units	6023434006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	205	207	.8	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4809 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 193539
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.0	100	90-110	

MATRIX SPIKE SAMPLE: 193541

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.65	5	5.5	97	90-110	

SAMPLE DUPLICATE: 193542

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.4	1.2	13	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: MERP/1963 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 193615
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.5	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193617 193618

Parameter	Units	6023371002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.7	94	95	75-125	1	19	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Surface Water Quality
Pace Project No.: 6023371

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

B2	Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.
M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023371001	PG-9	EPA 300.0	WETA/4710		
6023371002	PG-8	EPA 300.0	WETA/4710		
6023371003	PG-7	EPA 300.0	WETA/4710		
6023371004	PG-6	EPA 300.0	WETA/4710		
6023371005	FB-1	EPA 300.0	WETA/4710		
6023371001	PG-9	EPA 110.2	WET/7694		
6023371002	PG-8	EPA 110.2	WET/7694		
6023371003	PG-7	EPA 110.2	WET/7694		
6023371004	PG-6	EPA 110.2	WET/7694		
6023371005	FB-1	EPA 110.2	WET/7694		
6023371001	PG-9	EPA 365.1	WETA/4711		
6023371002	PG-8	EPA 365.1	WETA/4711		
6023371003	PG-7	EPA 365.1	WETA/4711		
6023371004	PG-6	EPA 365.1	WETA/4711		
6023371005	FB-1	EPA 365.1	WETA/4711		
6023371001	PG-9	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371002	PG-8	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371003	PG-7	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371004	PG-6	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371005	FB-1	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371001	PG-9	SM 2540C	WET/7709		
6023371002	PG-8	SM 2540C	WET/7709		
6023371001	PG-9	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023371002	PG-8	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023371003	PG-7	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023371004	PG-6	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023371005	FB-1	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023371001	PG-9	SM 2540D	WET/7738		
6023371002	PG-8	SM 2540D	WET/7738		
6023371003	PG-7	SM 2540D	WET/7738		
6023371004	PG-6	SM 2540D	WET/7738		
6023371005	FB-1	SM 2540D	WET/7738		
6023371003	PG-7	SM 2540C	WET/7741		
6023371004	PG-6	SM 2540C	WET/7741		
6023371005	FB-1	SM 2540C	WET/7741		
6023371001	PG-9	EPA 410.4	WETA/4728		
6023371001	PG-9	EPA 365.4	WETA/4729		
6023371002	PG-8	EPA 365.4	WETA/4729		
6023371003	PG-7	EPA 365.4	WETA/4729		
6023371004	PG-6	EPA 365.4	WETA/4729		
6023371005	FB-1	EPA 365.4	WETA/4729		
6023371001	PG-9	EPA 350.1	WETA/4742		
6023371002	PG-8	EPA 350.1	WETA/4742		
6023371003	PG-7	EPA 350.1	WETA/4742		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023371004	PG-6	EPA 350.1	WETA/4742		
6023371005	FB-1	EPA 350.1	WETA/4742		
6023371001	PG-9	SM 2320B	WET/7784		
6023371002	PG-8	SM 2320B	WET/7784		
6023371003	PG-7	SM 2320B	WET/7784		
6023371004	PG-6	SM 2320B	WET/7784		
6023371005	FB-1	SM 2320B	WET/7784		
6023371002	PG-8	EPA 410.4	WETA/4753		
6023371003	PG-7	EPA 410.4	WETA/4753		
6023371004	PG-6	EPA 410.4	WETA/4753		
6023371005	FB-1	EPA 410.4	WETA/4753		
6023371001	PG-9	EPA 1664A	WET/7848		
6023371002	PG-8	EPA 1664A	WET/7848		
6023371003	PG-7	EPA 1664A	WET/7848		
6023371004	PG-6	EPA 1664A	WET/7848		
6023371005	FB-1	EPA 1664A	WET/7848		
6023371001	PG-9	EPA 300.0	WETA/4780		
6023371002	PG-8	EPA 300.0	WETA/4780		
6023371003	PG-7	EPA 300.0	WETA/4780		
6023371004	PG-6	EPA 300.0	WETA/4780		
6023371005	FB-1	EPA 300.0	WETA/4780		
6023371001	PG-9	SM 2340C	WET/7869		
6023371002	PG-8	SM 2340C	WET/7869		
6023371003	PG-7	SM 2340C	WET/7869		
6023371004	PG-6	SM 2340C	WET/7869		
6023371005	FB-1	SM 2340C	WET/7869		
6023371001	PG-9	EPA 351.2	WETA/4809		
6023371002	PG-8	EPA 351.2	WETA/4809		
6023371003	PG-7	EPA 351.2	WETA/4809		
6023371004	PG-6	EPA 351.2	WETA/4809		
6023371005	FB-1	EPA 351.2	WETA/4809		
6023371001	PG-9	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371002	PG-8	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371003	PG-7	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371004	PG-6	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371005	FB-1	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371001	PG-9	TKN-NH3 Calculation	WET/7929		
6023371002	PG-8	TKN-NH3 Calculation	WET/7929		
6023371003	PG-7	TKN-NH3 Calculation	WET/7929		
6023371004	PG-6	TKN-NH3 Calculation	WET/7929		
6023371005	FB-1	TKN-NH3 Calculation	WET/7929		

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June 20, 2007

Dan Carey
Rizzo Environmental
602 Market Street, Box 103
Fulton, MO 65251

RE: Project: Surface Water Quality
Pace Project No.: 6023506

Dear Dan Carey:
Enclosed are the analytical results for sample(s) received by the laboratory on June 01, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

Enclosures

cc: Anthony Fabina, Rizzo Environmental

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SAMPLE SUMMARY

Project: Surface Water Quality
Pace Project No.: 6023506

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6023506001	SG-A3	Water	05/31/07 13:35	06/01/07 09:20
6023506002	PG-1	Water	05/31/07 14:35	06/01/07 09:20
6023506003	SG-L	Water	05/31/07 15:05	06/01/07 09:20
6023506004	FB-3	Water	05/31/07 15:25	06/01/07 09:20

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023506

Lab ID	Sample ID	Method	Analytes Reported
6023506001	SG-A3	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	17
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023506002	PG-1	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	17
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023506003	SG-L	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023506

Lab ID	Sample ID	Method	Analytes Reported
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	17
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023506004	**FB-3**	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	17
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: SG-A3 **Lab ID: 6023506001** Collected: 05/31/07 13:35 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 11:12	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:12	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:12	7440-38-2	
Barium	**96.4**	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:12	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 11:12	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:12	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:12	7440-47-3	
Manganese	**41.8**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:12	7439-96-5	
Nickel	**7.6**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:12	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 11:12	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 11:12	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 11:12	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:12	7440-66-6	
Calcium	**61900**	ug/L	100	1	06/01/07 00:00	06/11/07 11:12	7440-70-2	
Magnesium	**12800**	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:12	7439-95-4	
Sodium	**16200**	ug/L	500	1	06/01/07 00:00	06/11/07 11:12	7440-23-5	
Potassium	**4820**	ug/L	500	1	06/01/07 00:00	06/11/07 11:12	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:58	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**7.0**	units	1.0	1		06/01/07 14:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/13/07 06:43		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**164**	mg/L	20.0	1		06/06/07 16:52		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**200**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**273**	mg/L	5.0	1		06/06/07 18:26		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**14.0**	mg/L	5.0	1		06/07/07 16:14		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 17:00	06/06/07 11:51		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.55**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: SG-A3 **Lab ID: 6023506001** Collected: 05/31/07 13:35 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/01/07 18:52	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/01/07 18:52	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**20.9**	mg/L	1.0	1		06/01/07 18:52	16887-00-6	
Sulfate	**37.0**	mg/L	1.0	1		06/01/07 18:52	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:47	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.55**	mg/L	**0.20**	1		06/14/07 13:31	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 15:02		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:31	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**19.6**	mg/L	10.0	1		06/09/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: PG-1 **Lab ID: 6023506002** Collected: 05/31/07 14:35 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 11:17	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:17	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:17	7440-38-2	
Barium	**58.7**	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:17	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 11:17	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:17	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:17	7440-47-3	
Manganese	**96.6**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:17	7439-96-5	
Nickel	**5.9**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:17	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 11:17	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 11:17	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 11:17	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:17	7440-66-6	
Calcium	**20400**	ug/L	100	1	06/01/07 00:00	06/11/07 11:17	7440-70-2	
Magnesium	**3770**	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:17	7439-95-4	
Sodium	**2400**	ug/L	500	1	06/01/07 00:00	06/11/07 11:17	7440-23-5	
Potassium	**2930**	ug/L	500	1	06/01/07 00:00	06/11/07 11:17	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:59	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**72.0**	units	2.0	2		06/01/07 14:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/13/07 06:43		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**60.5**	mg/L	20.0	1		06/06/07 16:56		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**84.5**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**102**	mg/L	5.0	1		06/06/07 18:26		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/07/07 16:15		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 17:02	06/06/07 11:53		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**1.1**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: PG-1 **Lab ID: 6023506002** Collected: 05/31/07 14:35 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/01/07 19:04	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/01/07 19:04	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**2.5**	mg/L	1.0	1		06/01/07 19:04	16887-00-6	
Sulfate	**3.5**	mg/L	1.0	1		06/01/07 19:04	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:47	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.1**	mg/L	0.20	1		06/14/07 13:33	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 15:04		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:32	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**45.4**	mg/L	10.0	1		06/09/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: SG-L | **Lab ID: 6023506003** Collected: 05/31/07 15:05 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 11:22	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:22	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:22	7440-38-2	
Barium	**81.6**	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:22	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 11:22	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:22	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:22	7440-47-3	
Manganese	**49.7**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:22	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:22	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 11:22	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 11:22	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 11:22	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:22	7440-66-6	
Calcium	**49400**	ug/L	100	1	06/01/07 00:00	06/11/07 11:22	7440-70-2	
Magnesium	**21000**	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:22	7439-95-4	
Sodium	**3710**	ug/L	500	1	06/01/07 00:00	06/11/07 11:22	7440-23-5	
Potassium	**2030**	ug/L	500	1	06/01/07 00:00	06/11/07 11:22	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 12:00	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**6.0**	units	1.0	1		06/01/07 14:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/13/07 06:44		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**195**	mg/L	20.0	1		06/06/07 17:02		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**212**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**219**	mg/L	5.0	1		06/06/07 18:26		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/07/07 16:15		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 17:07	06/06/07 11:54		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: SG-L **Lab ID: 6023506003** Collected: 05/31/07 15:05 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/01/07 19:17	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/01/07 19:17	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**5.0**	mg/L	1.0	1		06/01/07 19:17	16887-00-6	
Sulfate	**12.9**	mg/L	1.0	1		06/01/07 19:17	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:48	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**ND**	**mg/L**	**0.20**	**1**		06/14/07 13:35	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 15:06		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:38	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**10**	mg/L	10.0	1		06/09/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: FB-3 **Lab ID: 6023506004** Collected: 05/31/07 15:25 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 11:38	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:38	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:38	7440-38-2	
Barium	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:38	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 11:38	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:38	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:38	7440-47-3	
Manganese	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:38	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:38	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 11:38	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 11:38	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 11:38	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:38	7440-66-6	
Calcium	ND	ug/L	100	1	06/01/07 00:00	06/11/07 11:38	7440-70-2	
Magnesium	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:38	7439-95-4	
Sodium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 11:38	7440-23-5	
Potassium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 11:38	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 12:05	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/01/07 14:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/13/07 06:44		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/06/07 17:11		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/06/07 18:27		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/07/07 16:17		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 17:09	06/06/07 11:56		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.28**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: FB-3 **Lab ID: 6023506004** Collected: 05/31/07 15:25 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/01/07 19:30	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/01/07 19:30	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/01/07 19:30	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/01/07 19:30	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:49	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.28**	mg/L	0.20	1		06/14/07 13:35	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 15:07		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:40	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/09/07 00:00		

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4721 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 188254
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 188255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.8	91	90-110	

MATRIX SPIKE SAMPLE: 188256

Parameter	Units	6023506001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	ND	2	2.0	96	90-110	

SAMPLE DUPLICATE: 188257

Parameter	Units	6023506002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7726 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 188319
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 188320

Parameter	Units	6023506004 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7730 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 188358
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 188359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	207	105	85-115	

SAMPLE DUPLICATE: 188360

Parameter	Units	6023507002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	75.0	76.5	2	22	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4722 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 188364
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 188365

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	10	10.7	107	90-110	
Nitrite as N	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 188366 188367

Parameter	Units	6023517001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	2.0	5	5	49.7	45.9	953	878	61-128	8	7	M0,R1
Nitrite as N	mg/L	ND	5	5	5.2	5.3	103	107	73-144	3	5	

SAMPLE DUPLICATE: 188368

Parameter	Units	6023506004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	ND	.13J	86	11	R3
Nitrite as N	mg/L	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: MPRP/4182 Analysis Method: EPA 6010
QC Batch Method: EPA 3005 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 188574
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 188575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9720	97	80-120	
Arsenic	ug/L	1000	1010	101	80-120	
Barium	ug/L	1000	959	96	80-120	
Beryllium	ug/L	1000	976	98	80-120	
Cadmium	ug/L	1000	998	100	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	1000	990	99	80-120	
Magnesium	ug/L	10000	9890	99	80-120	
Manganese	ug/L	1000	990	99	80-120	
Nickel	ug/L	1000	993	99	80-120	
Potassium	ug/L	10000	9770	98	80-120	
Selenium	ug/L	1000	991	99	80-120	
Silver	ug/L	500	483	97	80-120	
Sodium	ug/L	10000	9150	92	80-120	
Thallium	ug/L	1000	953	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 188576 188577

Parameter	Units	6023371001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	20000	20000	19700	19300	98	96	75-125	2	20	

REPORT OF LABORATORY ANALYSIS.

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 188576 188577

Parameter	Units	6023371001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	2000	2000	2030	2010	101	100	75-125	1	20	
Barium	ug/L	70.7	2000	2000	1990	1950	96	94	75-125	2	20	
Beryllium	ug/L	ND	2000	2000	1940	1910	97	95	75-125	2	20	
Cadmium	ug/L	ND	2000	2000	1970	1940	99	97	75-125	1	20	
Calcium	ug/L	40400	20000	20000	61800	61400	107	105	75-125	.7	20	
Chromium	ug/L	ND	2000	2000	1970	1940	98	97	75-125	2	20	
Magnesium	ug/L	10800	20000	20000	31200	30800	102	100	75-125	1	20	
Manganese	ug/L	60.2	2000	2000	2040	2010	99	97	75-125	1	20	
Nickel	ug/L	ND	2000	2000	1960	1940	98	97	75-125	1	20	
Potassium	ug/L	2920	20000	20000	24900	24400	110	108	75-125	2	20	
Selenium	ug/L	ND	2000	2000	1990	1960	100	98	75-125	2	20	
Silver	ug/L	ND	1000	1000	985	970	99	97	75-125	2	20	
Sodium	ug/L	242000	20000	20000	304000	308000	309	329	75-125	1	20	M0
Thallium	ug/L	ND	2000	2000	1920	1880	96	94	75-125	2	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4730 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023506001, 6023506002

METHOD BLANK: 189210
Associated Lab Samples: 6023506001, 6023506002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 189211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	103	90-110	

MATRIX SPIKE SAMPLE: 189212

Parameter	Units	6023379001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.0	2	4.0	102	58-132	

SAMPLE DUPLICATE: 189213

Parameter	Units	6023417001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	.015J	62	12	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4731
QC Batch Method: EPA 365.4
Analysis Method: EPA 365.4
Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023506003, 6023506004

METHOD BLANK: 189214
Associated Lab Samples: 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 189215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 189216

Parameter	Units	6023506004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.0	100	58-132	

SAMPLE DUPLICATE: 189217

Parameter	Units	6023549001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	.2J	3	12	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4743 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 189610
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 189611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	98	90-110	

MATRIX SPIKE SAMPLE: 189612

Parameter	Units	6023434006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	89	90-110	M1

SAMPLE DUPLICATE: 189613

Parameter	Units	6023434007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND	12	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7794 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 190286
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 190287

Parameter	Units	6023484004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1920	1920	.4	5	

SAMPLE DUPLICATE: 190288

Parameter	Units	6023506003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	219	217	.9	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7804 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 190647
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 190648

Parameter	Units	6023491001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	484	516	6	5	R1

SAMPLE DUPLICATE: 190649

Parameter	Units	6023501002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	160	170	6	5	R1

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7809 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 190773
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 190774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	492	98	90-110	

SAMPLE DUPLICATE: 190775

Parameter	Units	6023506003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	195	199	2	6	

SAMPLE DUPLICATE: 190776

Parameter	Units	6023585001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	64.7	66.4	3	6	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4777 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 191640
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 191641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	48.7	97	85-116	

MATRIX SPIKE SAMPLE: 191643

Parameter	Units	6023492001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	48.4	97	33-135	

SAMPLE DUPLICATE: 191642

Parameter	Units	6023435001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND	142	14	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7869 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

SAMPLE DUPLICATE: 192413

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	148	150	1	5	

SAMPLE DUPLICATE: 192414

Parameter	Units	6023434006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	205	207	.8	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7889 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 192722
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Oil and Grease	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 192723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	35.3	88	78-114	

MATRIX SPIKE SAMPLE: 192724

Parameter	Units	6023506003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	44.4	42.9	94	78-114	

SAMPLE DUPLICATE: 192725

Parameter	Units	6023506004 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND	2	18	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4798 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 193150
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 193151

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	103	90-110	
Sulfate	mg/L	5	5.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193154 193155

Parameter	Units	6023484003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	39.5	10	10	45.4	45.9	59	65	57-123	1	6	
Sulfate	mg/L	87.1	10	10	92.5	94.1	54	70	60-133	2	12	M1

SAMPLE DUPLICATE: 193156

Parameter	Units	6023484004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	314	318	1	14	
Sulfate	mg/L	3.9	4.1	6	11	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4809 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 193539
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.0	100	90-110	

MATRIX SPIKE SAMPLE: 193541

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.65	5	5.5	97	90-110	

SAMPLE DUPLICATE: 193542

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.4	1.2	13	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: MERP/1963 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 193615
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.5	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193617 193618

Parameter	Units	6023371002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.7	94	95	75-125	1	19	

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QUALIFIERS

Project: Surface Water Quality
Pace Project No.: 6023506

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023506

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023506001	SG-A3	EPA 365.1	WETA/4721		
6023506002	PG-1	EPA 365.1	WETA/4721		
6023506003	SG-L	EPA 365.1	WETA/4721		
6023506004	FB-3	EPA 365.1	WETA/4721		
6023506001	SG-A3	EPA 110.2	WET/7726		
6023506002	PG-1	EPA 110.2	WET/7726		
6023506003	SG-L	EPA 110.2	WET/7726		
6023506004	FB-3	EPA 110.2	WET/7726		
6023506001	SG-A3	SM 5210B	WET/7730	SM 5210B	WET/7732
6023506002	PG-1	SM 5210B	WET/7730	SM 5210B	WET/7732
6023506003	SG-L	SM 5210B	WET/7730	SM 5210B	WET/7732
6023506004	FB-3	SM 5210B	WET/7730	SM 5210B	WET/7732
6023506001	SG-A3	EPA 300.0	WETA/4722		
6023506002	PG-1	EPA 300.0	WETA/4722		
6023506003	SG-L	EPA 300.0	WETA/4722		
6023506004	FB-3	EPA 300.0	WETA/4722		
6023506001	SG-A3	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023506002	PG-1	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023506003	SG-L	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023506004	FB-3	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023506001	SG-A3	EPA 365.4	WETA/4730		
6023506002	PG-1	EPA 365.4	WETA/4730		
6023506003	SG-L	EPA 365.4	WETA/4731		
6023506004	FB-3	EPA 365.4	WETA/4731		
6023506001	SG-A3	EPA 350.1	WETA/4743		
6023506002	PG-1	EPA 350.1	WETA/4743		
6023506003	SG-L	EPA 350.1	WETA/4743		
6023506004	FB-3	EPA 350.1	WETA/4743		
6023506001	SG-A3	SM 2540C	WET/7794		
6023506002	PG-1	SM 2540C	WET/7794		
6023506003	SG-L	SM 2540C	WET/7794		
6023506004	FB-3	SM 2540C	WET/7794		
6023506001	SG-A3	SM 2540D	WET/7804		
6023506002	PG-1	SM 2540D	WET/7804		
6023506003	SG-L	SM 2540D	WET/7804		
6023506004	FB-3	SM 2540D	WET/7804		
6023506001	SG-A3	SM 2320B	WET/7809		
6023506002	PG-1	SM 2320B	WET/7809		
6023506003	SG-L	SM 2320B	WET/7809		
6023506004	FB-3	SM 2320B	WET/7809		
6023506001	SG-A3	EPA 410.4	WETA/4777		
6023506002	PG-1	EPA 410.4	WETA/4777		
6023506003	SG-L	EPA 410.4	WETA/4777		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023506

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023506004	FB-3	EPA 410.4	WETA/4777		
6023506001	SG-A3	SM 2340C	WET/7869		
6023506002	PG-1	SM 2340C	WET/7869		
6023506003	SG-L	SM 2340C	WET/7869		
6023506004	FB-3	SM 2340C	WET/7869		
6023506001	SG-A3	EPA 1664A	WET/7889		
6023506002	PG-1	EPA 1664A	WET/7889		
6023506003	SG-L	EPA 1664A	WET/7889		
6023506004	FB-3	EPA 1664A	WET/7889		
6023506001	SG-A3	EPA 300.0	WETA/4798		
6023506002	PG-1	EPA 300.0	WETA/4798		
6023506003	SG-L	EPA 300.0	WETA/4798		
6023506004	FB-3	EPA 300.0	WETA/4798		
6023506001	SG-A3	EPA 351.2	WETA/4809		
6023506002	PG-1	EPA 351.2	WETA/4809		
6023506003	SG-L	EPA 351.2	WETA/4809		
6023506004	FB-3	EPA 351.2	WETA/4809		
6023506001	SG-A3	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023506002	PG-1	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023506003	SG-L	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023506004	FB-3	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023506001	SG-A3	TKN-NH3 Calculation	WET/7929		
6023506002	PG-1	TKN-NH3 Calculation	WET/7929		
6023506003	SG-L	TKN-NH3 Calculation	WET/7929		
6023506004	FB-3	TKN-NH3 Calculation	WET/7929		

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June 20, 2007

Dan Carey
Rizzo Environmental
602 Market Street, Box 103
Fulton, MO 65251

RE: Project: Surface Water Quality
Pace Project No.: 6023434

Dear Dan Carey:
Enclosed are the analytical results for sample(s) received by the laboratory on May 31, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

Enclosures

cc: Anthony Fabina, Rizzo Environmental

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SAMPLE SUMMARY

Project: Surface Water Quality
Pace Project No.: 6023434

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6023434001	**S-01**	Water	05/30/07 10:00	05/31/07 09:30
6023434002	**S-02**	Water	05/30/07 11:00	05/31/07 09:30
6023434003	**PG-5**	Water	05/30/07 11:55	05/31/07 09:30
6023434004	**PG-4**	Water	05/30/07 12:35	05/31/07 09:30
6023434005	**SW-D**	Water	05/30/07 13:00	05/31/07 09:30
6023434006	**PG-3**	Water	05/30/07 13:40	05/31/07 09:30
6023434007	**PG-2**	Water	05/30/07 14:30	05/31/07 09:30
6023434008	**FB-2**	Water	05/30/07 14:50	05/31/07 09:30

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023434

Lab ID	Sample ID	Method	Analytes Reported
6023434001	S-01	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	18
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023434002	S-02	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	18
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023434003	PG-5	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023434

Lab ID	Sample ID	Method	Analytes Reported
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	18
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023434004	PG-4	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	18
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023434005	SW-D	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	18
		EPA 7470	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023434

Lab ID	Sample ID	Method	Analytes Reported
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023434006	PG-3	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	18
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023434007	PG-2	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	18
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023434

Lab ID	Sample ID	Method	Analytes Reported
		TKN-NH3 Calculation	1
6023434008	FB-2	EPA 110.2	1
		EPA 1664A	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	18
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: S-01 **Lab ID: 6023434001** Collected: 05/30/07 10:00 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	**3630**	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:18	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:18	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:18	7440-38-2	
Barium	**394**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:18	7440-39-3	
Beryllium	**1.2**	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:18	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:18	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:18	7440-47-3	
Lead	**17.1**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:18	7439-92-1	
Manganese	**1380**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:18	7439-96-5	
Nickel	**22.1**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:18	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:18	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:18	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:18	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:18	7440-66-6	
Calcium	**65800**	ug/L	100	1	06/01/07 00:00	06/11/07 10:18	7440-70-2	
Magnesium	**15800**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:18	7439-95-4	
Sodium	**16900**	ug/L	500	1	06/01/07 00:00	06/11/07 10:18	7440-23-5	
Potassium	**6690**	ug/L	500	1	06/01/07 00:00	06/11/07 10:18	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:43	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**64.0**	units	2.0	2		06/01/07 09:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/11/07 09:27		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**119**	mg/L	20.0	1		06/05/07 18:30		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**212**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**274**	mg/L	5.0	1		06/05/07 00:00		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**2920**	mg/L	5.0	1		06/05/07 16:43		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 15:20	06/05/07 11:53		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**3.9**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: S-01 **Lab ID: 6023434001** Collected: 05/30/07 10:00 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**4.6**	mg/L	1.0	1		05/31/07 17:06	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 17:06	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**14.2**	mg/L	1.0	1		05/31/07 17:06	16887-00-6	
Sulfate	**52.3**	mg/L	1.0	1		05/31/07 17:06	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:26	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**3.9**	mg/L	0.20	1		06/14/07 13:24	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	**0.20**	mg/L	0.10	1		06/01/07 09:35		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	**1.3**	mg/L	0.50	1		06/05/07 10:10	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: S-02 **Lab ID: 6023434002** Collected: 05/30/07 11:00 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	**2360**	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:37	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:37	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:37	7440-38-2	
Barium	**276**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:37	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:37	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:37	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:37	7440-47-3	
Lead	**10.6**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:37	7439-92-1	
Manganese	**738**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:37	7439-96-5	
Nickel	**12.2**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:37	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:37	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:37	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:37	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:37	7440-66-6	
Calcium	**55700**	ug/L	100	1	06/01/07 00:00	06/11/07 10:37	7440-70-2	
Magnesium	**14000**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:37	7439-95-4	
Sodium	**16900**	ug/L	500	1	06/01/07 00:00	06/11/07 10:37	7440-23-5	
Potassium	**6350**	ug/L	500	1	06/01/07 00:00	06/11/07 10:37	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:47	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**110**	units	10.0	10		06/01/07 09:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/11/07 09:28		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**119**	mg/L	20.0	1		06/05/07 18:40		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**212**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**275**	mg/L	5.0	1		06/05/07 00:00		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**1700**	mg/L	5.0	1		06/05/07 16:43		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 08:55	06/06/07 10:19		B2
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**3.4**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: S-02 **Lab ID: 6023434002** Collected: 05/30/07 11:00 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**3.1**	mg/L	1.0	1		05/31/07 17:45	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 17:45	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**14.3**	mg/L	1.0	1		05/31/07 17:45	16887-00-6	
Sulfate	**52.5**	mg/L	1.0	1		05/31/07 17:45	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:27	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**3.4**	mg/L	**0.20**	1		06/14/07 13:24	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	**0.15**	mg/L	0.10	1		06/01/07 09:37		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	**1.2**	mg/L	0.50	1		06/05/07 10:12	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**15.1**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: PG-5 **Lab ID: 6023434003** Collected: 05/30/07 11:55 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:42	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:42	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:42	7440-38-2	
Barium	**110**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:42	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:42	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:42	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:42	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:42	7439-92-1	
Manganese	**1020**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:42	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:42	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:42	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:42	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:42	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:42	7440-66-6	
Calcium	**38900**	ug/L	100	1	06/01/07 00:00	06/11/07 10:42	7440-70-2	
Magnesium	**7590**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:42	7439-95-4	
Sodium	**25800**	ug/L	500	1	06/01/07 00:00	06/11/07 10:42	7440-23-5	
Potassium	**2990**	ug/L	500	1	06/01/07 00:00	06/11/07 10:42	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:49	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**23.0**	units	1.0	1		06/01/07 09:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/11/07 09:28		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**116**	mg/L	20.0	1		06/05/07 18:45		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**138**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**234**	mg/L	5.0	1		06/05/07 00:00		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**20.0**	mg/L	5.0	1		06/05/07 16:44		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 08:58	06/06/07 10:23		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**1.0**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: PG-5 **Lab ID: 6023434003** Collected: 05/30/07 11:55 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**1.0**	mg/L	1.0	1		05/31/07 17:19	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 17:19	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**37.6**	mg/L	1.0	1		05/31/07 17:19	16887-00-6	
Sulfate	**13.3**	mg/L	1.0	1		05/31/07 17:19	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:28	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.0**	mg/L	0.20	1		06/14/07 13:26	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 09:39		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:13	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**10.3**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: PG-4 **Lab ID: 6023434004** Collected: 05/30/07 12:35 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	**135**	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:47	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:47	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:47	7440-38-2	
Barium	**15.0**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:47	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:47	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:47	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:47	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:47	7439-92-1	
Manganese	**38.7**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:47	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:47	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:47	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:47	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:47	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:47	7440-66-6	
Calcium	**16400**	ug/L	100	1	06/01/07 00:00	06/11/07 10:47	7440-70-2	
Magnesium	**8170**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:47	7439-95-4	
Sodium	**8410**	ug/L	500	1	06/01/07 00:00	06/11/07 10:47	7440-23-5	
Potassium	**1170**	ug/L	500	1	06/01/07 00:00	06/11/07 10:47	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:50	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**9.0**	units	1.0	1		06/01/07 09:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/11/07 09:29		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**55.2**	mg/L	20.0	1		06/05/07 18:51		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**89.7**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**122**	mg/L	5.0	1		06/05/07 00:00		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**12.0**	mg/L	5.0	1		06/05/07 16:44		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 08:59	06/06/07 10:25		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.52**	mg/L	0.20	1		06/14/07 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: PG-4 **Lab ID: 6023434004** Collected: 05/30/07 12:35 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 18:23	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 18:23	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**6.2**	mg/L	1.0	1		05/31/07 18:23	16887-00-6	
Sulfate	**21.2**	mg/L	1.0	1		05/31/07 18:23	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:29	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.52**	**mg/L**	**0.20**	1		06/14/07 13:26	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 09:40		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:14	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**10.7**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: SW-D **Lab ID: 6023434005** Collected: 05/30/07 13:00 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	**148**	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:52	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:52	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:52	7440-38-2	
Barium	**15.9**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:52	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:52	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:52	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:52	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:52	7439-92-1	
Manganese	**43.2**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:52	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:52	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:52	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:52	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:52	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:52	7440-66-6	
Calcium	**16500**	ug/L	100	1	06/01/07 00:00	06/11/07 10:52	7440-70-2	
Magnesium	**8180**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:52	7439-95-4	
Sodium	**8360**	ug/L	500	1	06/01/07 00:00	06/11/07 10:52	7440-23-5	
Potassium	**1170**	ug/L	500	1	06/01/07 00:00	06/11/07 10:52	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:52	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**7.0**	units	1.0	1		06/01/07 09:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/11/07 09:29		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**54.7**	mg/L	20.0	1		06/05/07 18:56		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**97.9**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**119**	mg/L	5.0	1		06/05/07 00:00		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/05/07 16:45		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 09:01	06/06/07 10:29		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.62**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: SW-D **Lab ID: 6023434005** Collected: 05/30/07 13:00 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 18:10	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 18:10	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**6.3**	mg/L	1.0	1		05/31/07 18:10	16887-00-6	
Sulfate	**21.0**	mg/L	1.0	1		05/31/07 18:10	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:30	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.62**	mg/L	0.20	1		06/14/07 13:27	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 09:44		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:15	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: PG-3 **Lab ID: 6023434006** Collected: 05/30/07 13:40 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:57	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:57	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:57	7440-38-2	
Barium	**39.0**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:57	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:57	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:57	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:57	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:57	7439-92-1	
Manganese	**33.3**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:57	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:57	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:57	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:57	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:57	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:57	7440-66-6	
Calcium	**66000**	ug/L	100	1	06/01/07 00:00	06/11/07 10:57	7440-70-2	
Magnesium	**11400**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:57	7439-95-4	
Sodium	**27700**	ug/L	500	1	06/01/07 00:00	06/11/07 10:57	7440-23-5	
Potassium	**5150**	ug/L	500	1	06/01/07 00:00	06/11/07 10:57	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:53	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**12.0**	units	1.0	1		06/01/07 09:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/11/07 09:29		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**135**	mg/L	20.0	1		06/05/07 19:01		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**205**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**353**	mg/L	5.0	1		06/05/07 00:00		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**8.0**	mg/L	5.0	1		06/05/07 16:45		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 09:03	06/06/07 10:32		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.98**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: PG-3 **Lab ID: 6023434006** Collected: 05/30/07 13:40 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 16:54	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 16:54	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**39.0**	mg/L	1.0	1		05/31/07 16:54	16887-00-6	
Sulfate	**79.1**	mg/L	5.0	5		06/12/07 11:14	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:34	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.98**	mg/L	0.20	1		06/14/07 13:28	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 09:45		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:16	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**19.5**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: PG-2 **Lab ID: 6023434007** Collected: 05/30/07 14:30 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	**122**	ug/L	75.0	1	06/01/07 00:00	06/11/07 11:02	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:02	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:02	7440-38-2	
Barium	**63.5**	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:02	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 11:02	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:02	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:02	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:02	7439-92-1	
Manganese	**339**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:02	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:02	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 11:02	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 11:02	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 11:02	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:02	7440-66-6	
Calcium	**35600**	ug/L	100	1	06/01/07 00:00	06/11/07 11:02	7440-70-2	
Magnesium	**6580**	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:02	7439-95-4	
Sodium	**14600**	ug/L	500	1	06/01/07 00:00	06/11/07 11:02	7440-23-5	
Potassium	**3150**	ug/L	500	1	06/01/07 00:00	06/11/07 11:02	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:55	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**60.0**	units	2.0	2		06/01/07 09:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/11/07 09:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**103**	mg/L	20.0	1		06/05/07 19:17		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**134**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**213**	mg/L	5.0	1		06/05/07 00:00		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**13.0**	mg/L	5.0	1		06/05/07 16:46		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 09:05	06/06/07 10:35		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**2.7**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: PG-2 **Lab ID: 6023434007** Collected: 05/30/07 14:30 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**1.0**	mg/L	1.0	1		05/31/07 17:58	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 17:58	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**16.3**	mg/L	1.0	1		05/31/07 17:58	16887-00-6	
Sulfate	**19.4**	mg/L	1.0	1		05/31/07 17:58	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:36	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**2.7**	mg/L	0.20	1		06/14/07 13:29	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 09:46		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:18	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**48.3**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: FB-2 **Lab ID: 6023434008** Collected: 05/30/07 14:50 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3005							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 11:07	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:07	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:07	7440-38-2	
Barium	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:07	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 11:07	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:07	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:07	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:07	7439-92-1	
Manganese	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:07	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:07	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 11:07	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 11:07	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 11:07	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:07	7440-66-6	
Calcium	**110**	ug/L	100	1	06/01/07 00:00	06/11/07 11:07	7440-70-2	
Magnesium	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:07	7439-95-4	
Sodium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 11:07	7440-23-5	
Potassium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 11:07	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:56	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/01/07 09:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/11/07 09:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/05/07 19:20		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**24.0**	mg/L	5.0	1		06/05/07 00:00		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/05/07 16:47		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 09:08	06/06/07 10:37		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023434

Sample: FB-2 **Lab ID: 6023434008** Collected: 05/30/07 14:50 Received: 05/31/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 17:32	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 17:32	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		05/31/07 17:32	16887-00-6	
Sulfate	ND	mg/L	1.0	1		05/31/07 17:32	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:38	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:29	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 09:47		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:21	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/06/07 00:00		

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WET/7706
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023434001

METHOD BLANK: 187712
Associated Lab Samples: 6023434001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 187713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	190	96	85-115	

SAMPLE DUPLICATE: 187714

Parameter	Units	6023390003 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	1560	1630	5	22	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WETA/4715 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 187874
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 187875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.8	97	90-110	
Nitrite as N	mg/L	5	4.8	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 187877 187878

Parameter	Units	6023459001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	3.0	3.0	48	49	61-128	.9	7	M1
Nitrite as N	mg/L	ND	5	5	3.8	3.7	76	75	73-144	2	5	

SAMPLE DUPLICATE: 187876

Parameter	Units	6023434004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	ND	.44J	9	11	
Nitrite as N	mg/L	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WETA/4716 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 187940
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 187941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.9	93	90-110	

MATRIX SPIKE SAMPLE: 187942

Parameter	Units	6023434001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	0.20	2	2.0	90	90-110	

SAMPLE DUPLICATE: 187943

Parameter	Units	6023434002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	0.15	0.15	2	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WET/7718 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 188053
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 188054

Parameter	Units	6023434001 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	64.0	64.0	0	10	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WET/7719 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 188055
Associated Lab Samples: 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 188056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	201	102	85-115	

SAMPLE DUPLICATE: 188057

Parameter	Units	6023435001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	ND	ND	47	22	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: MPRP/4182 Analysis Method: EPA 6010
QC Batch Method: EPA 3005 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 188574
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 188575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9720	97	80-120	
Arsenic	ug/L	1000	1010	101	80-120	
Barium	ug/L	1000	959	96	80-120	
Beryllium	ug/L	1000	976	98	80-120	
Cadmium	ug/L	1000	998	100	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	1000	990	99	80-120	
Lead	ug/L	1000	993	99	80-120	
Magnesium	ug/L	10000	9890	99	80-120	
Manganese	ug/L	1000	990	99	80-120	
Nickel	ug/L	1000	993	99	80-120	
Potassium	ug/L	10000	9770	98	80-120	
Selenium	ug/L	1000	991	99	80-120	
Silver	ug/L	500	483	97	80-120	
Sodium	ug/L	10000	9150	92	80-120	
Thallium	ug/L	1000	953	95	80-120	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 188576 188577

Parameter	Units	6023371001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	20000	20000	19700	19300	98	96	75-125	2	20	
Arsenic	ug/L	ND	2000	2000	2030	2010	101	100	75-125	1	20	
Barium	ug/L	70.7	2000	2000	1990	1950	96	94	75-125	2	20	
Beryllium	ug/L	ND	2000	2000	1940	1910	97	95	75-125	2	20	
Cadmium	ug/L	ND	2000	2000	1970	1940	99	97	75-125	1	20	
Calcium	ug/L	40400	20000	20000	61800	61400	107	105	75-125	.7	20	
Chromium	ug/L	ND	2000	2000	1970	1940	98	97	75-125	2	20	
Lead	ug/L	ND	2000	2000	1980	1940	99	97	75-125	2	20	
Magnesium	ug/L	10800	20000	20000	31200	30800	102	100	75-125	1	20	
Manganese	ug/L	60.2	2000	2000	2040	2010	99	97	75-125	1	20	
Nickel	ug/L	ND	2000	2000	1960	1940	98	97	75-125	1	20	
Potassium	ug/L	2920	20000	20000	24900	24400	110	108	75-125	2	20	
Selenium	ug/L	ND	2000	2000	1990	1960	100	98	75-125	2	20	
Silver	ug/L	ND	1000	1000	985	970	99	97	75-125	2	20	
Sodium	ug/L	242000	20000	20000	304000	308000	309	329	75-125	1	20	M0
Thallium	ug/L	ND	2000	2000	1920	1880	96	94	75-125	2	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WETA/4730 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 189210
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 189211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	103	90-110	

MATRIX SPIKE SAMPLE: 189212

Parameter	Units	6023379001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.0	2	4.0	102	58-132	

SAMPLE DUPLICATE: 189213

Parameter	Units	6023417001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	.015J	62	12	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WET/7763 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 189486
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 189487

Parameter	Units	6023417001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	388	387	3	5	

SAMPLE DUPLICATE: 189488

Parameter	Units	6023434005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	119	122	2	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WETA/4742 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005

METHOD BLANK: 189606
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 189607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	97	90-110	

MATRIX SPIKE SAMPLE: 189608

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 189609

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.046J	7	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WETA/4743 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023434006, 6023434007, 6023434008

METHOD BLANK: 189610
Associated Lab Samples: 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 189611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	98	90-110	

MATRIX SPIKE SAMPLE: 189612

Parameter	Units	6023434006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	89	90-110	M1

SAMPLE DUPLICATE: 189613

Parameter	Units	6023434007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND	12	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WET/7773 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006

METHOD BLANK: 189816
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 189817

Parameter	Units	6023375001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	71.0	69.0	3	5	

SAMPLE DUPLICATE: 189818

Parameter	Units	6023417002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	8.0	8.0	0	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WET/7774 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023434007, 6023434008

METHOD BLANK: 189819
Associated Lab Samples: 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 189820

Parameter	Units	6023434007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	13.0	13.0	0	5	

SAMPLE DUPLICATE: 189821

Parameter	Units	6023482004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	17.0	17.0	0	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WET/7785 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 190190
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 190191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	487	97	90-110	

SAMPLE DUPLICATE: 190192

Parameter	Units	6023434001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	119	122	2	6	

SAMPLE DUPLICATE: 190193

Parameter	Units	6023479001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	27.5	26.5	3	6	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WETA/4753 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 190278
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 190279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	52.3	105	85-116	

MATRIX SPIKE SAMPLE: 190280

Parameter	Units	6023660001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	13.4	50	69.2	112	33-135	

SAMPLE DUPLICATE: 190281

Parameter	Units	6023417001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND	0	14	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WETA/4781 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 191937
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 191938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.1	103	90-110	
Sulfate	mg/L	5	5.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 191939 191940

Parameter	Units	6023410002 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	250	250	260	260	87	86	57-123	.2	6	
Sulfate	mg/L	724	250	250	943	946	87	89	60-133	.3	12	

SAMPLE DUPLICATE: 191941

Parameter	Units	6023410003 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	20.1	19.7J	2	14	
Sulfate	mg/L	981	1000	2	11	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WET/7858 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 192265
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Oil and Grease	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 192266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	34.6	86	78-114	

MATRIX SPIKE SAMPLE: 192267

Parameter	Units	6023434001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	44.4	29.6	64	78-114	M0

SAMPLE DUPLICATE: 192268

Parameter	Units	6023434002 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	2.5J	125	18	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WET/7869 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

SAMPLE DUPLICATE: 192413

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	148	150	1	5	

SAMPLE DUPLICATE: 192414

Parameter	Units	6023434006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	205	207	.8	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: WETA/4809 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 193539
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.0	100	90-110	

MATRIX SPIKE SAMPLE: 193541

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.65	5	5.5	97	90-110	

SAMPLE DUPLICATE: 193542

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.4	1.2	13	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023434

QC Batch: MERP/1963 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

METHOD BLANK: 193615
Associated Lab Samples: 6023434001, 6023434002, 6023434003, 6023434004, 6023434005, 6023434006, 6023434007, 6023434008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.5	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193617 193618

Parameter	Units	6023371002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.7	94	95	75-125	1	19	

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QUALIFIERS

Project: Surface Water Quality
Pace Project No.: 6023434

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

B2	Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.
M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023434

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023434001	S-01	SM 5210B	WET/7706	SM 5210B	WET/7712
6023434001	S-01	EPA 300.0	WETA/4715		
6023434002	S-02	EPA 300.0	WETA/4715		
6023434003	PG-5	EPA 300.0	WETA/4715		
6023434004	PG-4	EPA 300.0	WETA/4715		
6023434005	SW-D	EPA 300.0	WETA/4715		
6023434006	PG-3	EPA 300.0	WETA/4715		
6023434007	PG-2	EPA 300.0	WETA/4715		
6023434008	FB-2	EPA 300.0	WETA/4715		
6023434001	S-01	EPA 365.1	WETA/4716		
6023434002	S-02	EPA 365.1	WETA/4716		
6023434003	PG-5	EPA 365.1	WETA/4716		
6023434004	PG-4	EPA 365.1	WETA/4716		
6023434005	SW-D	EPA 365.1	WETA/4716		
6023434006	PG-3	EPA 365.1	WETA/4716		
6023434007	PG-2	EPA 365.1	WETA/4716		
6023434008	FB-2	EPA 365.1	WETA/4716		
6023434001	S-01	EPA 110.2	WET/7718		
6023434002	S-02	EPA 110.2	WET/7718		
6023434003	PG-5	EPA 110.2	WET/7718		
6023434004	PG-4	EPA 110.2	WET/7718		
6023434005	SW-D	EPA 110.2	WET/7718		
6023434006	PG-3	EPA 110.2	WET/7718		
6023434007	PG-2	EPA 110.2	WET/7718		
6023434008	FB-2	EPA 110.2	WET/7718		
6023434002	S-02	SM 5210B	WET/7719	SM 5210B	WET/7727
6023434003	PG-5	SM 5210B	WET/7719	SM 5210B	WET/7727
6023434004	PG-4	SM 5210B	WET/7719	SM 5210B	WET/7727
6023434005	SW-D	SM 5210B	WET/7719	SM 5210B	WET/7727
6023434006	PG-3	SM 5210B	WET/7719	SM 5210B	WET/7727
6023434007	PG-2	SM 5210B	WET/7719	SM 5210B	WET/7727
6023434008	FB-2	SM 5210B	WET/7719	SM 5210B	WET/7727
6023434001	S-01	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023434002	S-02	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023434003	PG-5	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023434004	PG-4	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023434005	SW-D	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023434006	PG-3	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023434007	PG-2	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023434008	FB-2	EPA 3005	MPRP/4182	EPA 6010	ICP/3723
6023434001	S-01	EPA 365.4	WETA/4730		
6023434002	S-02	EPA 365.4	WETA/4730		
6023434003	PG-5	EPA 365.4	WETA/4730		
6023434004	PG-4	EPA 365.4	WETA/4730		
6023434005	SW-D	EPA 365.4	WETA/4730		
6023434006	PG-3	EPA 365.4	WETA/4730		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023434

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023434007	PG-2	EPA 365.4	WETA/4730		
6023434008	FB-2	EPA 365.4	WETA/4730		
6023434001	S-01	SM 2540C	WET/7763		
6023434002	S-02	SM 2540C	WET/7763		
6023434003	PG-5	SM 2540C	WET/7763		
6023434004	PG-4	SM 2540C	WET/7763		
6023434005	SW-D	SM 2540C	WET/7763		
6023434006	PG-3	SM 2540C	WET/7763		
6023434007	PG-2	SM 2540C	WET/7763		
6023434008	FB-2	SM 2540C	WET/7763		
6023434001	S-01	EPA 350.1	WETA/4742		
6023434002	S-02	EPA 350.1	WETA/4742		
6023434003	PG-5	EPA 350.1	WETA/4742		
6023434004	PG-4	EPA 350.1	WETA/4742		
6023434005	SW-D	EPA 350.1	WETA/4742		
6023434006	PG-3	EPA 350.1	WETA/4743		
6023434007	PG-2	EPA 350.1	WETA/4743		
6023434008	FB-2	EPA 350.1	WETA/4743		
6023434001	S-01	SM 2540D	WET/7773		
6023434002	S-02	SM 2540D	WET/7773		
6023434003	PG-5	SM 2540D	WET/7773		
6023434004	PG-4	SM 2540D	WET/7773		
6023434005	SW-D	SM 2540D	WET/7773		
6023434006	PG-3	SM 2540D	WET/7773		
6023434007	PG-2	SM 2540D	WET/7774		
6023434008	FB-2	SM 2540D	WET/7774		
6023434001	S-01	SM 2320B	WET/7785		
6023434002	S-02	SM 2320B	WET/7785		
6023434003	PG-5	SM 2320B	WET/7785		
6023434004	PG-4	SM 2320B	WET/7785		
6023434005	SW-D	SM 2320B	WET/7785		
6023434006	PG-3	SM 2320B	WET/7785		
6023434007	PG-2	SM 2320B	WET/7785		
6023434008	FB-2	SM 2320B	WET/7785		
6023434001	S-01	EPA 410.4	WETA/4753		
6023434002	S-02	EPA 410.4	WETA/4753		
6023434003	PG-5	EPA 410.4	WETA/4753		
6023434004	PG-4	EPA 410.4	WETA/4753		
6023434005	SW-D	EPA 410.4	WETA/4753		
6023434006	PG-3	EPA 410.4	WETA/4753		
6023434007	PG-2	EPA 410.4	WETA/4753		
6023434008	FB-2	EPA 410.4	WETA/4753		
6023434001	S-01	EPA 300.0	WETA/4781		
6023434002	S-02	EPA 300.0	WETA/4781		
6023434003	PG-5	EPA 300.0	WETA/4781		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023434

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023434004	PG-4	EPA 300.0	WETA/4781		
6023434005	SW-D	EPA 300.0	WETA/4781		
6023434006	PG-3	EPA 300.0	WETA/4781		
6023434007	PG-2	EPA 300.0	WETA/4781		
6023434008	FB-2	EPA 300.0	WETA/4781		
6023434001	S-01	EPA 1664A	WET/7858		
6023434002	S-02	EPA 1664A	WET/7858		
6023434003	PG-5	EPA 1664A	WET/7858		
6023434004	PG-4	EPA 1664A	WET/7858		
6023434005	SW-D	EPA 1664A	WET/7858		
6023434006	PG-3	EPA 1664A	WET/7858		
6023434007	PG-2	EPA 1664A	WET/7858		
6023434008	FB-2	EPA 1664A	WET/7858		
6023434001	S-01	SM 2340C	WET/7869		
6023434002	S-02	SM 2340C	WET/7869		
6023434003	PG-5	SM 2340C	WET/7869		
6023434004	PG-4	SM 2340C	WET/7869		
6023434005	SW-D	SM 2340C	WET/7869		
6023434006	PG-3	SM 2340C	WET/7869		
6023434007	PG-2	SM 2340C	WET/7869		
6023434008	FB-2	SM 2340C	WET/7869		
6023434001	S-01	EPA 351.2	WETA/4809		
6023434002	S-02	EPA 351.2	WETA/4809		
6023434003	PG-5	EPA 351.2	WETA/4809		
6023434004	PG-4	EPA 351.2	WETA/4809		
6023434005	SW-D	EPA 351.2	WETA/4809		
6023434006	PG-3	EPA 351.2	WETA/4809		
6023434007	PG-2	EPA 351.2	WETA/4809		
6023434008	FB-2	EPA 351.2	WETA/4809		
6023434001	S-01	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023434002	S-02	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023434003	PG-5	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023434004	PG-4	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023434005	SW-D	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023434006	PG-3	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023434007	PG-2	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023434008	FB-2	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023434001	S-01	TKN-NH3 Calculation	WET/7929		
6023434002	S-02	TKN-NH3 Calculation	WET/7929		
6023434003	PG-5	TKN-NH3 Calculation	WET/7929		
6023434004	PG-4	TKN-NH3 Calculation	WET/7929		
6023434005	SW-D	TKN-NH3 Calculation	WET/7929		
6023434006	PG-3	TKN-NH3 Calculation	WET/7929		
6023434007	PG-2	TKN-NH3 Calculation	WET/7929		
6023434008	FB-2	TKN-NH3 Calculation	WET/7929		

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March 03, 2008 Reissued w/ Zinc results

Robert Halden
Rizzo Environmental
105 Mall Boulevard, Suite 270E
Monroeville, PA 15146

RE: Project: Surface Water Quality
Pace Project No.: 6023371

Dear Robert Halden:
Enclosed are the analytical results for sample(s) received by the laboratory on May 30, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,
Mary Jane Walls

Mary Jane Walls for
Derek Varney
derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
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SAMPLE SUMMARY

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6023371001	PG-9	Water	05/29/07 14:15	05/30/07 08:45
6023371002	PG-8	Water	05/29/07 15:15	05/30/07 08:45
6023371003	PG-7	Water	05/29/07 16:00	05/30/07 08:45
6023371004	PG-6	Water	05/29/07 16:55	05/30/07 08:45
6023371005	FB-1	Water	05/29/07 17:20	05/30/07 08:45

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6023371001	PG-9	EPA 110.2	KMW	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	HMW	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023371002	PG-8	EPA 110.2	KMW	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023371003	PG-7	EPA 110.2	KMW	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023371004	PG-6	EPA 110.2	KMW	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023371005	FB-1	EPA 110.2	KMW	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-9 **Lab ID: 6023371001** Collected: 05/29/07 14:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 09:44	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:44	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:44	7440-38-2	
Barium	**70.7**	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:44	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 09:44	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7439-92-1	
Manganese	**60.2**	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 09:44	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 09:44	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 09:44	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 09:44	7440-66-6	
Calcium	**40400**	ug/L	100	1	06/01/07 00:00	06/11/07 09:44	7440-70-2	
Magnesium	**10800**	ug/L	50.0	1	06/01/07 00:00	06/11/07 09:44	7439-95-4	
Sodium	**242000**	ug/L	500	1	06/01/07 00:00	06/11/07 09:44	7440-23-5	
Potassium	**2920**	ug/L	500	1	06/01/07 00:00	06/11/07 09:44	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:33	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**10.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:08		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**77.6**	mg/L	20.0	1		06/05/07 15:56		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**148**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**852**	mg/L	5.0	1		06/01/07 09:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/02/07 13:45		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:36	06/05/07 09:15		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.65**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-9 **Lab ID: 6023371001** Collected: 05/29/07 14:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 11:31	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 11:31	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**433**	mg/L	10.0	10		06/11/07 18:24	16887-00-6	
Sulfate	**38.1**	mg/L	1.0	1		05/31/07 11:31	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:07	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.65**	mg/L	0.20	1		06/14/07 13:15	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:12		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:53	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**13.3**	mg/L	10.0	1		06/04/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-8 **Lab ID: 6023371002** Collected: 05/29/07 15:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**300**	ug/L	75.0	1	06/01/07 00:00	06/11/07 09:59	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:59	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:59	7440-38-2	
Barium	**66.6**	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:59	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 09:59	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7439-92-1	
Manganese	**312**	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 09:59	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 09:59	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 09:59	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 09:59	7440-66-6	
Calcium	**35000**	ug/L	100	1	06/01/07 00:00	06/11/07 09:59	7440-70-2	
Magnesium	**6730**	ug/L	50.0	1	06/01/07 00:00	06/11/07 09:59	7439-95-4	
Sodium	**10500**	ug/L	500	1	06/01/07 00:00	06/11/07 09:59	7440-23-5	
Potassium	**3940**	ug/L	500	1	06/01/07 00:00	06/11/07 09:59	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:38	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**10.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**97.3**	mg/L	20.0	1		06/05/07 16:06		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**123**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**183**	mg/L	5.0	1		06/01/07 09:54		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**5.0**	mg/L	5.0	1		06/02/07 13:46		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:37	06/05/07 09:20		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**1.4**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-8 **Lab ID: 6023371002** Collected: 05/29/07 15:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 12:09	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 12:09	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**10.1**	mg/L	1.0	1		05/31/07 12:09	16887-00-6	
Sulfate	**20.5**	mg/L	1.0	1		05/31/07 12:09	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:11	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.4**	mg/L	0.20	1		06/14/07 13:17	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:16		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:55	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**20.8**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-7 **Lab ID: 6023371003** Collected: 05/29/07 16:00 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**554**	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:04	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:04	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:04	7440-38-2	
Barium	**120**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:04	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:04	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7439-92-1	
Manganese	**136**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:04	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:04	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:04	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:04	7440-66-6	
Calcium	**33100**	ug/L	100	1	06/01/07 00:00	06/11/07 10:04	7440-70-2	
Magnesium	**5150**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:04	7439-95-4	
Sodium	**88700**	ug/L	500	1	06/01/07 00:00	06/11/07 10:04	7440-23-5	
Potassium	**3680**	ug/L	500	1	06/01/07 00:00	06/11/07 10:04	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:39	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**40.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:10		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**76.8**	mg/L	20.0	1		06/05/07 16:11		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**117**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**347**	mg/L	5.0	1		06/02/07 14:10		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**61.0**	mg/L	5.0	1		06/02/07 13:47		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:40	06/05/07 09:22		B2
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**1.3**	mg/L	0.20	1		06/14/07 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-7 **Lab ID: 6023371003** Collected: 05/29/07 16:00 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 12:22	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 12:22	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**139**	mg/L	5.0	5		06/11/07 18:37	16887-00-6	
Sulfate	**11.7**	mg/L	1.0	1		05/31/07 12:22	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.16**	mg/L	0.10	1		06/05/07 16:13	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.5**	mg/L	0.20	1		06/14/07 13:19	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:18		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:56	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**32.9**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-6 **Lab ID: 6023371004** Collected: 05/29/07 16:55 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**210**	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:09	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:09	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:09	7440-38-2	
Barium	**124**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:09	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:09	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7439-92-1	
Manganese	**52.0**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:09	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:09	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:09	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:09	7440-66-6	
Calcium	**28200**	ug/L	100	1	06/01/07 00:00	06/11/07 10:09	7440-70-2	
Magnesium	**3990**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:09	7439-95-4	
Sodium	**50800**	ug/L	500	1	06/01/07 00:00	06/11/07 10:09	7440-23-5	
Potassium	**3610**	ug/L	500	1	06/01/07 00:00	06/11/07 10:09	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:40	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**15.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:10		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**66.3**	mg/L	20.0	1		06/05/07 16:16		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**98.3**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**249**	mg/L	5.0	1		06/02/07 14:10		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**9.0**	mg/L	5.0	1		06/02/07 13:47		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:43	06/05/07 09:25		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.92**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-6 **Lab ID: 6023371004** Collected: 05/29/07 16:55 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 13:08	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 13:08	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**83.8**	mg/L	5.0	5		06/11/07 18:50	16887-00-6	
Sulfate	**12.4**	mg/L	1.0	1		06/11/07 19:02	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.18**	mg/L	0.10	1		06/05/07 16:14	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.1**	mg/L	0.20	1		06/14/07 13:20	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:21		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:57	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**17.6**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: FB-1 **Lab ID: 6023371005** Collected: 05/29/07 17:20 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:13	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:13	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:13	7440-38-2	
Barium	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:13	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:13	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7439-92-1	
Manganese	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:13	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:13	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:13	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:13	7440-66-6	
Calcium	ND	ug/L	100	1	06/01/07 00:00	06/11/07 10:13	7440-70-2	
Magnesium	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:13	7439-95-4	
Sodium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 10:13	7440-23-5	
Potassium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 10:13	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:42	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:10		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/05/07 16:19		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/02/07 14:11		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**16.0**	mg/L	5.0	1		06/02/07 13:47		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:46	06/05/07 09:29		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: FB-1 **Lab ID: 6023371005** Collected: 05/29/07 17:20 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 13:18	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 13:18	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/11/07 19:15	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/11/07 19:15	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:14	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:22	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:22		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:58	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/06/07 00:00		

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4710 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187351
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 187352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.8	97	90-110	
Nitrite as N	mg/L	5	4.8	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 187353 187354

Parameter	Units	6023371001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	5.7	5.7	105	106	61-128	1	7	
Nitrite as N	mg/L	ND	5	5	5.3	5.3	106	107	73-144	0	5	

SAMPLE DUPLICATE: 187355

Parameter	Units	6023371003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	ND	ND	200	11	R3
Nitrite as N	mg/L	ND	.08J	200	10	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7694 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187357
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 187358

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	10.0	10.0	0	10	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4711 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Orthophosphate as P
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187359
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 187360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.9	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 187361 187362

Parameter	Units	6023371001 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	ND	2	2	1.9	2.0	93	100	90-110	8	20	

SAMPLE DUPLICATE: 187363

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	.067J	16	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7698 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187515
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 187516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	195	99	85-115	

SAMPLE DUPLICATE: 187517

Parameter	Units	6023359001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	4550	4150	9	22	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7709 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023371001, 6023371002

METHOD BLANK: 187834
Associated Lab Samples: 6023371001, 6023371002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 187835

Parameter	Units	6023282004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	883	894	1	5	

SAMPLE DUPLICATE: 187836

Parameter	Units	6023282014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1700	1660	2	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: MPRP/4182 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 188574
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 188575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9720	97	80-120	
Arsenic	ug/L	1000	1010	101	80-120	
Barium	ug/L	1000	959	96	80-120	
Beryllium	ug/L	1000	976	98	80-120	
Cadmium	ug/L	1000	998	100	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	1000	990	99	80-120	
Lead	ug/L	1000	993	99	80-120	
Magnesium	ug/L	10000	9890	99	80-120	
Manganese	ug/L	1000	990	99	80-120	
Nickel	ug/L	1000	993	99	80-120	
Potassium	ug/L	10000	9770	98	80-120	
Selenium	ug/L	1000	991	99	80-120	
Silver	ug/L	500	483	97	80-120	
Sodium	ug/L	10000	9150	92	80-120	
Thallium	ug/L	1000	953	95	80-120	
Zinc	ug/L	1000	989	99	80-120	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 188576 188577

Parameter	Units	6023371001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	20000	20000	19700	19300	98	96	75-125	2	20	
Arsenic	ug/L	ND	2000	2000	2030	2010	101	100	75-125	1	20	
Barium	ug/L	70.7	2000	2000	1990	1950	96	94	75-125	2	20	
Beryllium	ug/L	ND	2000	2000	1940	1910	97	95	75-125	2	20	
Cadmium	ug/L	ND	2000	2000	1970	1940	99	97	75-125	1	20	
Calcium	ug/L	40400	20000	20000	61800	61400	107	105	75-125	1	20	
Chromium	ug/L	ND	2000	2000	1970	1940	98	97	75-125	2	20	
Lead	ug/L	ND	2000	2000	1980	1940	99	97	75-125	2	20	
Magnesium	ug/L	10800	20000	20000	31200	30800	102	100	75-125	1	20	
Manganese	ug/L	60.2	2000	2000	2040	2010	99	97	75-125	1	20	
Nickel	ug/L	ND	2000	2000	1960	1940	98	97	75-125	1	20	
Potassium	ug/L	2920	20000	20000	24900	24400	110	108	75-125	2	20	
Selenium	ug/L	ND	2000	2000	1990	1960	100	98	75-125	2	20	
Silver	ug/L	ND	1000	1000	985	970	99	97	75-125	2	20	
Sodium	ug/L	242000	20000	20000	304000	308000	309	329	75-125	1	20	M0
Thallium	ug/L	ND	2000	2000	1920	1880	96	94	75-125	2	20	
Zinc	ug/L	ND	2000	2000	1960	1940	98	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7738 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 188818
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 188819

Parameter	Units	6023282014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	26600	25200	5	5	

SAMPLE DUPLICATE: 188820

Parameter	Units	6023409001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	10	10	0	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7741 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023371003, 6023371004, 6023371005

METHOD BLANK: 189042
Associated Lab Samples: 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 189043

Parameter	Units	6023282011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	360	348	3	5	

SAMPLE DUPLICATE: 189044

Parameter	Units	6023410004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	408	410	0	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4728
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Associated Lab Samples: 6023371001

METHOD BLANK: 189176
Associated Lab Samples: 6023371001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 189177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	50.0	100	85-116	

MATRIX SPIKE SAMPLE: 189179

Parameter	Units	6023290001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	60.8	109	33-135	

SAMPLE DUPLICATE: 189178

Parameter	Units	6023290001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	11.6	59	14	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4729 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 189206
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 189207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 189208

Parameter	Units	6023436002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.1	103	58-132	

SAMPLE DUPLICATE: 189209

Parameter	Units	6023436003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	.015J	0	12	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4742 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 189606
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 189607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	97	90-110	

MATRIX SPIKE SAMPLE: 189608

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 189609

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.046J	7	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7784 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 190181
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 190182

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	483	97	90-110	

SAMPLE DUPLICATE: 190183

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	77.6	78.3	1	6	

SAMPLE DUPLICATE: 190184

Parameter	Units	6023411001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	83.6	85.2	2	6	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4753 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 190278
Associated Lab Samples: 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 190279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	52.3	105	85-116	

MATRIX SPIKE SAMPLE: 190280

Parameter	Units	6023660001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	13.4	50	69.2	112	33-135	

SAMPLE DUPLICATE: 190281

Parameter	Units	6023417001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND		14	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7848 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 191538
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Oil and Grease	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 191539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.0	100	78-114	

MATRIX SPIKE SAMPLE: 191540

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	43	43.4	99	78-114	

SAMPLE DUPLICATE: 191541

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND	18	18	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4780 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 191932
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 191933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.3	105	90-110	
Sulfate	mg/L	5	5.5	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 191934 191935

Parameter	Units	6023450041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	243	50	50	271	268	56	50	57-123	1	6	M1
Sulfate	mg/L	109	50	50	169	165	120	111	60-133	3	12	

SAMPLE DUPLICATE: 191936

Parameter	Units	6023450042 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	275	277	1	14	
Sulfate	mg/L	111	112	1	11	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7869 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

SAMPLE DUPLICATE: 192413

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	148	150	1	5	

SAMPLE DUPLICATE: 192414

Parameter	Units	6023434006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	205	207	1	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4809 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 193539
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.0	100	90-110	

MATRIX SPIKE SAMPLE: 193541

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.65	5	5.5	97	90-110	

SAMPLE DUPLICATE: 193542

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.4	1.2	13	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: MERP/1963 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 193615
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.5	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193617 193618

Parameter	Units	6023371002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.7	94	95	75-125	1	19	

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QUALIFIERS

Project: Surface Water Quality
Pace Project No.: 6023371

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

B2	Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.
M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023371001	PG-9	EPA 300.0	WETA/4710		
6023371002	PG-8	EPA 300.0	WETA/4710		
6023371003	PG-7	EPA 300.0	WETA/4710		
6023371004	PG-6	EPA 300.0	WETA/4710		
6023371005	FB-1	EPA 300.0	WETA/4710		
6023371001	PG-9	EPA 110.2	WET/7694		
6023371002	PG-8	EPA 110.2	WET/7694		
6023371003	PG-7	EPA 110.2	WET/7694		
6023371004	PG-6	EPA 110.2	WET/7694		
6023371005	FB-1	EPA 110.2	WET/7694		
6023371001	PG-9	EPA 365.1	WETA/4711		
6023371002	PG-8	EPA 365.1	WETA/4711		
6023371003	PG-7	EPA 365.1	WETA/4711		
6023371004	PG-6	EPA 365.1	WETA/4711		
6023371005	FB-1	EPA 365.1	WETA/4711		
6023371001	PG-9	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371002	PG-8	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371003	PG-7	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371004	PG-6	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371005	FB-1	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371001	PG-9	SM 2540C	WET/7709		
6023371002	PG-8	SM 2540C	WET/7709		
6023371001	PG-9	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023371002	PG-8	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023371003	PG-7	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023371004	PG-6	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023371005	FB-1	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023371001	PG-9	SM 2540D	WET/7738		
6023371002	PG-8	SM 2540D	WET/7738		
6023371003	PG-7	SM 2540D	WET/7738		
6023371004	PG-6	SM 2540D	WET/7738		
6023371005	FB-1	SM 2540D	WET/7738		
6023371003	PG-7	SM 2540C	WET/7741		
6023371004	PG-6	SM 2540C	WET/7741		
6023371005	FB-1	SM 2540C	WET/7741		
6023371001	PG-9	EPA 410.4	WETA/4728		
6023371001	PG-9	EPA 365.4	WETA/4729		
6023371002	PG-8	EPA 365.4	WETA/4729		
6023371003	PG-7	EPA 365.4	WETA/4729		
6023371004	PG-6	EPA 365.4	WETA/4729		
6023371005	FB-1	EPA 365.4	WETA/4729		
6023371001	PG-9	EPA 350.1	WETA/4742		
6023371002	PG-8	EPA 350.1	WETA/4742		
6023371003	PG-7	EPA 350.1	WETA/4742		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023371004	PG-6	EPA 350.1	WETA/4742		
6023371005	FB-1	EPA 350.1	WETA/4742		
6023371001	PG-9	SM 2320B	WET/7784		
6023371002	PG-8	SM 2320B	WET/7784		
6023371003	PG-7	SM 2320B	WET/7784		
6023371004	PG-6	SM 2320B	WET/7784		
6023371005	FB-1	SM 2320B	WET/7784		
6023371002	PG-8	EPA 410.4	WETA/4753		
6023371003	PG-7	EPA 410.4	WETA/4753		
6023371004	PG-6	EPA 410.4	WETA/4753		
6023371005	FB-1	EPA 410.4	WETA/4753		
6023371001	PG-9	EPA 1664A	WET/7848		
6023371002	PG-8	EPA 1664A	WET/7848		
6023371003	PG-7	EPA 1664A	WET/7848		
6023371004	PG-6	EPA 1664A	WET/7848		
6023371005	FB-1	EPA 1664A	WET/7848		
6023371001	PG-9	EPA 300.0	WETA/4780		
6023371002	PG-8	EPA 300.0	WETA/4780		
6023371003	PG-7	EPA 300.0	WETA/4780		
6023371004	PG-6	EPA 300.0	WETA/4780		
6023371005	FB-1	EPA 300.0	WETA/4780		
6023371001	PG-9	SM 2340C	WET/7869		
6023371002	PG-8	SM 2340C	WET/7869		
6023371003	PG-7	SM 2340C	WET/7869		
6023371004	PG-6	SM 2340C	WET/7869		
6023371005	FB-1	SM 2340C	WET/7869		
6023371001	PG-9	EPA 351.2	WETA/4809		
6023371002	PG-8	EPA 351.2	WETA/4809		
6023371003	PG-7	EPA 351.2	WETA/4809		
6023371004	PG-6	EPA 351.2	WETA/4809		
6023371005	FB-1	EPA 351.2	WETA/4809		
6023371001	PG-9	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371002	PG-8	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371003	PG-7	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371004	PG-6	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371005	FB-1	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371001	PG-9	TKN-NH3 Calculation	WET/7929		
6023371002	PG-8	TKN-NH3 Calculation	WET/7929		
6023371003	PG-7	TKN-NH3 Calculation	WET/7929		
6023371004	PG-6	TKN-NH3 Calculation	WET/7929		
6023371005	FB-1	TKN-NH3 Calculation	WET/7929		

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March 03, 2008

Re-issued Results including Zinc.

Robert Halden
Rizzo Environmental
105 Mall Boulevard, Suite 270E
Monroeville, PA 15146

RE: Project: Surface Water Quality
Pace Project No.: 6023371

Dear Robert Halden:
Enclosed are the analytical results for sample(s) received by the laboratory on May 30, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Mary Jane Walls for
Derek Varney
derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

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SAMPLE SUMMARY

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6023371001	**PG-9**	Water	05/29/07 14:15	05/30/07 08:45
6023371002	**PG-8**	Water	05/29/07 15:15	05/30/07 08:45
6023371003	**PG-7**	Water	05/29/07 16:00	05/30/07 08:45
6023371004	**PG-6**	Water	05/29/07 16:55	05/30/07 08:45
6023371005	**FB-1**	Water	05/29/07 17:20	05/30/07 08:45

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6023371001	PG-9	EPA 110.2	KMW	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	HMW	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023371002	PG-8	EPA 110.2	KMW	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023371003	PG-7	EPA 110.2	KMW	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023371004	PG-6	EPA 110.2	KMW	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023371005	FB-1	EPA 110.2	KMW	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-9 **Lab ID: 6023371001** Collected: 05/29/07 14:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 09:44	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:44	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:44	7440-38-2	
Barium	**70.7**	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:44	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 09:44	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7439-92-1	
Manganese	**60.2**	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:44	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 09:44	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 09:44	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 09:44	7440-28-0	
Zinc	**ND**	**ug/L**	**50.0**	1	06/01/07 00:00	06/11/07 09:44	7440-66-6	
Calcium	**40400**	ug/L	100	1	06/01/07 00:00	06/11/07 09:44	7440-70-2	
Magnesium	**10800**	ug/L	50.0	1	06/01/07 00:00	06/11/07 09:44	7439-95-4	
Sodium	**242000**	ug/L	500	1	06/01/07 00:00	06/11/07 09:44	7440-23-5	
Potassium	**2920**	ug/L	500	1	06/01/07 00:00	06/11/07 09:44	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:33	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**10.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:08		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**77.6**	mg/L	20.0	1		06/05/07 15:56		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**148**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**852**	mg/L	5.0	1		06/01/07 09:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/02/07 13:45		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:36	06/05/07 09:15		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.65**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-9 **Lab ID: 6023371001** Collected: 05/29/07 14:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 11:31	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 11:31	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**433**	mg/L	10.0	10		06/11/07 18:24	16887-00-6	
Sulfate	**38.1**	mg/L	1.0	1		05/31/07 11:31	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:07	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.65**	mg/L	0.20	1		06/14/07 13:15	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:12		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:53	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**13.3**	mg/L	10.0	1		06/04/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-8 **Lab ID: 6023371002** Collected: 05/29/07 15:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**300**	ug/L	75.0	1	06/01/07 00:00	06/11/07 09:59	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:59	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:59	7440-38-2	
Barium	**66.6**	ug/L	10.0	1	06/01/07 00:00	06/11/07 09:59	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 09:59	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7439-92-1	
Manganese	**312**	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 09:59	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 09:59	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 09:59	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 09:59	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 09:59	7440-66-6	
Calcium	**35000**	ug/L	100	1	06/01/07 00:00	06/11/07 09:59	7440-70-2	
Magnesium	**6730**	ug/L	50.0	1	06/01/07 00:00	06/11/07 09:59	7439-95-4	
Sodium	**10500**	ug/L	500	1	06/01/07 00:00	06/11/07 09:59	7440-23-5	
Potassium	**3940**	ug/L	500	1	06/01/07 00:00	06/11/07 09:59	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:38	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**10.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:09		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**97.3**	mg/L	20.0	1		06/05/07 16:06		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**123**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**183**	mg/L	5.0	1		06/01/07 09:54		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**5.0**	mg/L	5.0	1		06/02/07 13:46		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:37	06/05/07 09:20		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**1.4**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-8 **Lab ID: 6023371002** Collected: 05/29/07 15:15 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 12:09	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 12:09	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**10.1**	mg/L	1.0	1		05/31/07 12:09	16887-00-6	
Sulfate	**20.5**	mg/L	1.0	1		05/31/07 12:09	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:11	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.4**	mg/L	0.20	1		06/14/07 13:17	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:16		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:55	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**20.8**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-7 **Lab ID: 6023371003** Collected: 05/29/07 16:00 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**554**	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:04	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:04	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:04	7440-38-2	
Barium	**120**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:04	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:04	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7439-92-1	
Manganese	**136**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:04	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:04	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:04	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:04	7440-28-0	
Zinc	**ND**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:04	7440-66-6	
Calcium	**33100**	ug/L	100	1	06/01/07 00:00	06/11/07 10:04	7440-70-2	
Magnesium	**5150**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:04	7439-95-4	
Sodium	**88700**	ug/L	500	1	06/01/07 00:00	06/11/07 10:04	7440-23-5	
Potassium	**3680**	ug/L	500	1	06/01/07 00:00	06/11/07 10:04	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:39	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**40.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:10		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**76.8**	mg/L	20.0	1		06/05/07 16:11		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**117**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**347**	mg/L	5.0	1		06/02/07 14:10		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**61.0**	mg/L	5.0	1		06/02/07 13:47		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:40	06/05/07 09:22		B2
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**1.3**	mg/L	0.20	1		06/14/07 00:00		

REPORT OF LABORATORY ANALYSIS

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(913)599-5665

ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-7 **Lab ID: 6023371003** Collected: 05/29/07 16:00 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 12:22	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 12:22	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**139**	mg/L	5.0	5		06/11/07 18:37	16887-00-6	
Sulfate	**11.7**	mg/L	1.0	1		05/31/07 12:22	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.16**	mg/L	0.10	1		06/05/07 16:13	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.5**	mg/L	0.20	1		06/14/07 13:19	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:18		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:56	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**32.9**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-6 **Lab ID: 6023371004** Collected: 05/29/07 16:55 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**210**	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:09	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:09	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:09	7440-38-2	
Barium	**124**	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:09	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:09	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7439-92-1	
Manganese	**52.0**	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:09	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:09	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:09	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:09	7440-28-0	
Zinc	**ND**	**ug/L**	**50.0**	1	06/01/07 00:00	06/11/07 10:09	7440-66-6	
Calcium	**28200**	ug/L	100	1	06/01/07 00:00	06/11/07 10:09	7440-70-2	
Magnesium	**3990**	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:09	7439-95-4	
Sodium	**50800**	ug/L	500	1	06/01/07 00:00	06/11/07 10:09	7440-23-5	
Potassium	**3610**	ug/L	500	1	06/01/07 00:00	06/11/07 10:09	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:40	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**15.0**	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:10		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**66.3**	mg/L	20.0	1		06/05/07 16:16		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**98.3**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**249**	mg/L	5.0	1		06/02/07 14:10		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**9.0**	mg/L	5.0	1		06/02/07 13:47		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:43	06/05/07 09:25		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.92**	mg/L	0.20	1		06/14/07 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: PG-6 **Lab ID: 6023371004** Collected: 05/29/07 16:55 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 13:08	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 13:08	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**83.8**	mg/L	5.0	5		06/11/07 18:50	16887-00-6	
Sulfate	**12.4**	mg/L	1.0	1		06/11/07 19:02	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.18**	mg/L	0.10	1		06/05/07 16:14	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.1**	mg/L	0.20	1		06/14/07 13:20	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:21		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:57	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**17.6**	mg/L	10.0	1		06/06/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: FB-1 **Lab ID: 6023371005** Collected: 05/29/07 17:20 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 10:13	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:13	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:13	7440-38-2	
Barium	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 10:13	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 10:13	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7440-47-3	
Lead	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7439-92-1	
Manganese	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 10:13	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 10:13	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 10:13	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 10:13	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:13	7440-66-6	
Calcium	ND	ug/L	100	1	06/01/07 00:00	06/11/07 10:13	7440-70-2	
Magnesium	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 10:13	7439-95-4	
Sodium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 10:13	7440-23-5	
Potassium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 10:13	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:42	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		05/29/07 16:00		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/09/07 10:10		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/05/07 16:19		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/02/07 14:11		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**16.0**	mg/L	5.0	1		06/02/07 13:47		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	05/31/07 09:46	06/05/07 09:29		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023371

Sample: FB-1 **Lab ID: 6023371005** Collected: 05/29/07 17:20 Received: 05/30/07 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		05/31/07 13:18	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		05/31/07 13:18	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/11/07 19:15	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/11/07 19:15	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:14	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:22	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		05/31/07 07:22		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 09:58	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/06/07 00:00		

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4710 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187351
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 187352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.8	97	90-110	
Nitrite as N	mg/L	5	4.8	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 187353 187354

Parameter	Units	6023371001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	5.7	5.7	105	106	61-128	1	7	
Nitrite as N	mg/L	ND	5	5	5.3	5.3	106	107	73-144	0	5	

SAMPLE DUPLICATE: 187355

Parameter	Units	6023371003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	ND	ND	200	11	R3
Nitrite as N	mg/L	ND	.08J	200	10	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7694 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187357
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 187358

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	10.0	10.0	0	10	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4711 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Orthophosphate as P
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187359
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 187360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.9	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 187361 187362

Parameter	Units	6023371001 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	ND	2	2	1.9	2.0	93	100	90-110	8	20	

SAMPLE DUPLICATE: 187363

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	.067J	16	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7698 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 187515
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 187516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	195	99	85-115	

SAMPLE DUPLICATE: 187517

Parameter	Units	6023359001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	4550	4150	9	22	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7709
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023371001, 6023371002

METHOD BLANK: 187834
Associated Lab Samples: 6023371001, 6023371002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 187835

Parameter	Units	6023282004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	883	894	1	5	

SAMPLE DUPLICATE: 187836

Parameter	Units	6023282014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1700	1660	2	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: MPRP/4182 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 188574

Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 188575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9720	97	80-120	
Arsenic	ug/L	1000	1010	101	80-120	
Barium	ug/L	1000	959	96	80-120	
Beryllium	ug/L	1000	976	98	80-120	
Cadmium	ug/L	1000	998	100	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	1000	990	99	80-120	
Lead	ug/L	1000	993	99	80-120	
Magnesium	ug/L	10000	9890	99	80-120	
Manganese	ug/L	1000	990	99	80-120	
Nickel	ug/L	1000	993	99	80-120	
Potassium	ug/L	10000	9770	98	80-120	
Selenium	ug/L	1000	991	99	80-120	
Silver	ug/L	500	483	97	80-120	
Sodium	ug/L	10000	9150	92	80-120	
Thallium	ug/L	1000	953	95	80-120	
Zinc	ug/L	1000	989	99	80-120	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 188576 188577

Parameter	Units	6023371001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	20000	20000	19700	19300	98	96	75-125	2	20	
Arsenic	ug/L	ND	2000	2000	2030	2010	101	100	75-125	1	20	
Barium	ug/L	70.7	2000	2000	1990	1950	96	94	75-125	2	20	
Beryllium	ug/L	ND	2000	2000	1940	1910	97	95	75-125	2	20	
Cadmium	ug/L	ND	2000	2000	1970	1940	99	97	75-125	1	20	
Calcium	ug/L	40400	20000	20000	61800	61400	107	105	75-125	1	20	
Chromium	ug/L	ND	2000	2000	1970	1940	98	97	75-125	2	20	
Lead	ug/L	ND	2000	2000	1980	1940	99	97	75-125	2	20	
Magnesium	ug/L	10800	20000	20000	31200	30800	102	100	75-125	1	20	
Manganese	ug/L	60.2	2000	2000	2040	2010	99	97	75-125	1	20	
Nickel	ug/L	ND	2000	2000	1960	1940	98	97	75-125	1	20	
Potassium	ug/L	2920	20000	20000	24900	24400	110	108	75-125	2	20	
Selenium	ug/L	ND	2000	2000	1990	1960	100	98	75-125	2	20	
Silver	ug/L	ND	1000	1000	985	970	99	97	75-125	2	20	
Sodium	ug/L	242000	20000	20000	304000	308000	309	329	75-125	1	20	M0
Thallium	ug/L	ND	2000	2000	1920	1880	96	94	75-125	2	20	
Zinc	ug/L	ND	2000	2000	1960	1940	98	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7738 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 188818
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 188819

Parameter	Units	6023282014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	26600	25200	5	5	

SAMPLE DUPLICATE: 188820

Parameter	Units	6023409001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	10	10	0	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7741 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023371003, 6023371004, 6023371005

METHOD BLANK: 189042
Associated Lab Samples: 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 189043

Parameter	Units	6023282011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	360	348	3	5	

SAMPLE DUPLICATE: 189044

Parameter	Units	6023410004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	408	410	0	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4728
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Associated Lab Samples: 6023371001

METHOD BLANK: 189176
Associated Lab Samples: 6023371001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 189177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	50.0	100	85-116	

MATRIX SPIKE SAMPLE: 189179

Parameter	Units	6023290001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	60.8	109	33-135	

SAMPLE DUPLICATE: 189178

Parameter	Units	6023290001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	11.6	59	14	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4729 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 189206
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 189207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 189208

Parameter	Units	6023436002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.1	103	58-132	

SAMPLE DUPLICATE: 189209

Parameter	Units	6023436003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	.015J	0	12	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4742 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 189606
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 189607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	97	90-110	

MATRIX SPIKE SAMPLE: 189608

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 189609

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.046J	7	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7784 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 190181
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 190182

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	483	97	90-110	

SAMPLE DUPLICATE: 190183

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	77.6	78.3	1	6	

SAMPLE DUPLICATE: 190184

Parameter	Units	6023411001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	83.6	85.2	2	6	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4753 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 190278
Associated Lab Samples: 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 190279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	52.3	105	85-116	

MATRIX SPIKE SAMPLE: 190280

Parameter	Units	6023660001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	13.4	50	69.2	112	33-135	

SAMPLE DUPLICATE: 190281

Parameter	Units	6023417001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND		14	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7848 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 191538
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Oil and Grease	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 191539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.0	100	78-114	

MATRIX SPIKE SAMPLE: 191540

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	43	43.4	99	78-114	

SAMPLE DUPLICATE: 191541

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND	18	18	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4780 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 191932
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 191933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.3	105	90-110	
Sulfate	mg/L	5	5.5	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 191934 191935

Parameter	Units	6023450041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	243	50	50	271	268	56	50	57-123	1	6	M1
Sulfate	mg/L	109	50	50	169	165	120	111	60-133	3	12	

SAMPLE DUPLICATE: 191936

Parameter	Units	6023450042 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	275	277	1	14	
Sulfate	mg/L	111	112	1	11	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WET/7869 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

SAMPLE DUPLICATE: 192413

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	148	150	1	5	

SAMPLE DUPLICATE: 192414

Parameter	Units	6023434006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	205	207	1	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: WETA/4809 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 193539
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.0	100	90-110	

MATRIX SPIKE SAMPLE: 193541

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.65	5	5.5	97	90-110	

SAMPLE DUPLICATE: 193542

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.4	1.2	13	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023371

QC Batch: MERP/1963 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

METHOD BLANK: 193615
Associated Lab Samples: 6023371001, 6023371002, 6023371003, 6023371004, 6023371005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.5	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193617 193618

Parameter	Units	6023371002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.7	94	95	75-125	1	19	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Surface Water Quality
Pace Project No.: 6023371

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

B2	Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.
M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023371001	PG-9	EPA 300.0	WETA/4710		
6023371002	PG-8	EPA 300.0	WETA/4710		
6023371003	PG-7	EPA 300.0	WETA/4710		
6023371004	PG-6	EPA 300.0	WETA/4710		
6023371005	FB-1	EPA 300.0	WETA/4710		
6023371001	PG-9	EPA 110.2	WET/7694		
6023371002	PG-8	EPA 110.2	WET/7694		
6023371003	PG-7	EPA 110.2	WET/7694		
6023371004	PG-6	EPA 110.2	WET/7694		
6023371005	FB-1	EPA 110.2	WET/7694		
6023371001	PG-9	EPA 365.1	WETA/4711		
6023371002	PG-8	EPA 365.1	WETA/4711		
6023371003	PG-7	EPA 365.1	WETA/4711		
6023371004	PG-6	EPA 365.1	WETA/4711		
6023371005	FB-1	EPA 365.1	WETA/4711		
6023371001	PG-9	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371002	PG-8	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371003	PG-7	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371004	PG-6	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371005	FB-1	SM 5210B	WET/7698	SM 5210B	WET/7705
6023371001	PG-9	SM 2540C	WET/7709		
6023371002	PG-8	SM 2540C	WET/7709		
6023371001	PG-9	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023371002	PG-8	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023371003	PG-7	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023371004	PG-6	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023371005	FB-1	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023371001	PG-9	SM 2540D	WET/7738		
6023371002	PG-8	SM 2540D	WET/7738		
6023371003	PG-7	SM 2540D	WET/7738		
6023371004	PG-6	SM 2540D	WET/7738		
6023371005	FB-1	SM 2540D	WET/7738		
6023371003	PG-7	SM 2540C	WET/7741		
6023371004	PG-6	SM 2540C	WET/7741		
6023371005	FB-1	SM 2540C	WET/7741		
6023371001	PG-9	EPA 410.4	WETA/4728		
6023371001	PG-9	EPA 365.4	WETA/4729		
6023371002	PG-8	EPA 365.4	WETA/4729		
6023371003	PG-7	EPA 365.4	WETA/4729		
6023371004	PG-6	EPA 365.4	WETA/4729		
6023371005	FB-1	EPA 365.4	WETA/4729		
6023371001	PG-9	EPA 350.1	WETA/4742		
6023371002	PG-8	EPA 350.1	WETA/4742		
6023371003	PG-7	EPA 350.1	WETA/4742		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023371

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023371004	PG-6	EPA 350.1	WETA/4742		
6023371005	FB-1	EPA 350.1	WETA/4742		
6023371001	PG-9	SM 2320B	WET/7784		
6023371002	PG-8	SM 2320B	WET/7784		
6023371003	PG-7	SM 2320B	WET/7784		
6023371004	PG-6	SM 2320B	WET/7784		
6023371005	FB-1	SM 2320B	WET/7784		
6023371002	PG-8	EPA 410.4	WETA/4753		
6023371003	PG-7	EPA 410.4	WETA/4753		
6023371004	PG-6	EPA 410.4	WETA/4753		
6023371005	FB-1	EPA 410.4	WETA/4753		
6023371001	PG-9	EPA 1664A	WET/7848		
6023371002	PG-8	EPA 1664A	WET/7848		
6023371003	PG-7	EPA 1664A	WET/7848		
6023371004	PG-6	EPA 1664A	WET/7848		
6023371005	FB-1	EPA 1664A	WET/7848		
6023371001	PG-9	EPA 300.0	WETA/4780		
6023371002	PG-8	EPA 300.0	WETA/4780		
6023371003	PG-7	EPA 300.0	WETA/4780		
6023371004	PG-6	EPA 300.0	WETA/4780		
6023371005	FB-1	EPA 300.0	WETA/4780		
6023371001	PG-9	SM 2340C	WET/7869		
6023371002	PG-8	SM 2340C	WET/7869		
6023371003	PG-7	SM 2340C	WET/7869		
6023371004	PG-6	SM 2340C	WET/7869		
6023371005	FB-1	SM 2340C	WET/7869		
6023371001	PG-9	EPA 351.2	WETA/4809		
6023371002	PG-8	EPA 351.2	WETA/4809		
6023371003	PG-7	EPA 351.2	WETA/4809		
6023371004	PG-6	EPA 351.2	WETA/4809		
6023371005	FB-1	EPA 351.2	WETA/4809		
6023371001	PG-9	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371002	PG-8	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371003	PG-7	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371004	PG-6	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371005	FB-1	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023371001	PG-9	TKN-NH3 Calculation	WET/7929		
6023371002	PG-8	TKN-NH3 Calculation	WET/7929		
6023371003	PG-7	TKN-NH3 Calculation	WET/7929		
6023371004	PG-6	TKN-NH3 Calculation	WET/7929		
6023371005	FB-1	TKN-NH3 Calculation	WET/7929		

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March 03, 2008

reissued w/ lead results for SG-A3 which were missing.

Robert Halden
Rizzo Environmental
105 Mall Boulevard, Suite 270E
Monroeville, PA 15146

RE: Project: Surface Water Quality
Pace Project No.: 6023506

Dear Robert Halden:
Enclosed are the analytical results for sample(s) received by the laboratory on June 01, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Mary Jane Walls for
Derek Varney
derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

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SAMPLE SUMMARY

Project: Surface Water Quality
Pace Project No.: 6023506

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6023506001	**SG-A3**	Water	05/31/07 13:35	06/01/07 09:20
6023506002	**PG-1**	Water	05/31/07 14:35	06/01/07 09:20
6023506003	**SG-L**	Water	05/31/07 15:05	06/01/07 09:20
6023506004	**FB-3**	Water	05/31/07 15:25	06/01/07 09:20

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023506

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6023506001	SG-A3	EPA 110.2	AJM	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	KMW	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	18
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023506002	PG-1	EPA 110.2	AJM	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	KMW	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	17
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023506003	SG-L	EPA 110.2	AJM	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1

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SAMPLE ANALYTE COUNT

Project: Surface Water Quality
Pace Project No.: 6023506

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 365.1	KMW	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	17
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023506004	FB-3	EPA 110.2	AJM	1
		EPA 1664A	RAB	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	KMW	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	17
		EPA 7470	SSM	1
		SM 2320B	KPZ	1
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: SG-A3 **Lab ID: 6023506001** Collected: 05/31/07 13:35 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 11:12	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:12	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:12	7440-38-2	
Barium	**96.4**	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:12	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 11:12	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:12	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:12	7440-47-3	
Lead	**ND**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:12	7439-92-1	
Manganese	**41.8**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:12	7439-96-5	
Nickel	**7.6**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:12	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 11:12	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 11:12	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 11:12	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:12	7440-66-6	
Calcium	**61900**	ug/L	100	1	06/01/07 00:00	06/11/07 11:12	7440-70-2	
Magnesium	**12800**	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:12	7439-95-4	
Sodium	**16200**	ug/L	500	1	06/01/07 00:00	06/11/07 11:12	7440-23-5	
Potassium	**4820**	ug/L	500	1	06/01/07 00:00	06/11/07 11:12	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:58	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**7.0**	units	1.0	1		06/01/07 14:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/13/07 06:43		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**164**	mg/L	20.0	1		06/06/07 16:52		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**200**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**273**	mg/L	5.0	1		06/06/07 18:26		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**14.0**	mg/L	5.0	1		06/07/07 16:14		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 17:00	06/06/07 11:51		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.55**	mg/L	0.20	1		06/14/07 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: SG-A3 **Lab ID: 6023506001** Collected: 05/31/07 13:35 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/01/07 18:52	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/01/07 18:52	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**20.9**	mg/L	1.0	1		06/01/07 18:52	16887-00-6	
Sulfate	**37.0**	mg/L	1.0	1		06/01/07 18:52	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:47	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.55**	mg/L	0.20	1		06/14/07 13:31	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 15:02		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:31	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**19.6**	mg/L	10.0	1		06/09/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: PG-1 **Lab ID: 6023506002** Collected: 05/31/07 14:35 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 11:17	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:17	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:17	7440-38-2	
Barium	**58.7**	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:17	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 11:17	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:17	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:17	7440-47-3	
Manganese	**96.6**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:17	7439-96-5	
Nickel	**5.9**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:17	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 11:17	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 11:17	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 11:17	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:17	7440-66-6	
Calcium	**20400**	ug/L	100	1	06/01/07 00:00	06/11/07 11:17	7440-70-2	
Magnesium	**3770**	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:17	7439-95-4	
Sodium	**2400**	ug/L	500	1	06/01/07 00:00	06/11/07 11:17	7440-23-5	
Potassium	**2930**	ug/L	500	1	06/01/07 00:00	06/11/07 11:17	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:59	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**72.0**	units	2.0	2		06/01/07 14:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/13/07 06:43		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**60.5**	mg/L	20.0	1		06/06/07 16:56		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**84.5**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**102**	mg/L	5.0	1		06/06/07 18:26		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/07/07 16:15		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 17:02	06/06/07 11:53		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**1.1**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: PG-1 **Lab ID: 6023506002** Collected: 05/31/07 14:35 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/01/07 19:04	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/01/07 19:04	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**2.5**	mg/L	1.0	1		06/01/07 19:04	16887-00-6	
Sulfate	**3.5**	mg/L	1.0	1		06/01/07 19:04	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:47	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.1**	mg/L	0.20	1		06/14/07 13:33	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 15:04		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:32	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**45.4**	mg/L	10.0	1		06/09/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: SG-L **Lab ID: 6023506003** Collected: 05/31/07 15:05 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 11:22	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:22	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:22	7440-38-2	
Barium	**81.6**	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:22	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 11:22	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:22	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:22	7440-47-3	
Manganese	**49.7**	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:22	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:22	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 11:22	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 11:22	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 11:22	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:22	7440-66-6	
Calcium	**49400**	ug/L	100	1	06/01/07 00:00	06/11/07 11:22	7440-70-2	
Magnesium	**21000**	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:22	7439-95-4	
Sodium	**3710**	ug/L	500	1	06/01/07 00:00	06/11/07 11:22	7440-23-5	
Potassium	**2030**	ug/L	500	1	06/01/07 00:00	06/11/07 11:22	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 12:00	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**6.0**	units	1.0	1		06/01/07 14:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/13/07 06:44		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**195**	mg/L	20.0	1		06/06/07 17:02		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**212**	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**219**	mg/L	5.0	1		06/06/07 18:26		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/07/07 16:15		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 17:07	06/06/07 11:54		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: SG-L **Lab ID: 6023506003** Collected: 05/31/07 15:05 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/01/07 19:17	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/01/07 19:17	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**5.0**	mg/L	1.0	1		06/01/07 19:17	16887-00-6	
Sulfate	**12.9**	mg/L	1.0	1		06/01/07 19:17	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:48	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:35	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 15:06		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:38	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**10**	mg/L	10.0	1		06/09/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: FB-3 **Lab ID: 6023506004** Collected: 05/31/07 15:25 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/01/07 00:00	06/11/07 11:38	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:38	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:38	7440-38-2	
Barium	ND	ug/L	10.0	1	06/01/07 00:00	06/11/07 11:38	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/01/07 00:00	06/11/07 11:38	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:38	7440-43-9	
Chromium	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:38	7440-47-3	
Manganese	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:38	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/01/07 00:00	06/11/07 11:38	7440-02-0	
Selenium	ND	ug/L	15.0	1	06/01/07 00:00	06/11/07 11:38	7782-49-2	
Silver	ND	ug/L	7.0	1	06/01/07 00:00	06/11/07 11:38	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/01/07 00:00	06/11/07 11:38	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:38	7440-66-6	
Calcium	ND	ug/L	100	1	06/01/07 00:00	06/11/07 11:38	7440-70-2	
Magnesium	ND	ug/L	50.0	1	06/01/07 00:00	06/11/07 11:38	7439-95-4	
Sodium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 11:38	7440-23-5	
Potassium	ND	ug/L	500	1	06/01/07 00:00	06/11/07 11:38	7440-09-7	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 12:05	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/01/07 14:30		
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/13/07 06:44		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/06/07 17:11		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:24		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/06/07 18:27		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/07/07 16:17		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/01/07 17:09	06/06/07 11:56		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.28**	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Surface Water Quality
Pace Project No.: 6023506

Sample: FB-3 **Lab ID: 6023506004** Collected: 05/31/07 15:25 Received: 06/01/07 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/01/07 19:30	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/01/07 19:30	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/01/07 19:30	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/01/07 19:30	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/05/07 16:49	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.28**	mg/L	0.20	1		06/14/07 13:35	7727-37-9	
365.1 Orthophosphate as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/01/07 15:07		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/05/07 10:40	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/09/07 00:00		

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4721 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Orthophosphate as P
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 188254
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 188255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.8	91	90-110	

MATRIX SPIKE SAMPLE: 188256

Parameter	Units	6023506001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	ND	2	2.0	96	90-110	

SAMPLE DUPLICATE: 188257

Parameter	Units	6023506002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7726 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 188319
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 188320

Parameter	Units	6023506004 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7730 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 188358
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 188359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	207	105	85-115	

SAMPLE DUPLICATE: 188360

Parameter	Units	6023507002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	75.0	76.5	2	22	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4722 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 188364
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 188365

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	10	10.7	107	90-110	
Nitrite as N	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 188366 188367

Parameter	Units	6023517001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	2.0	5	5	49.7	45.9	953	878	61-128	8	7	M0,R1
Nitrite as N	mg/L	ND	5	5	5.2	5.3	103	107	73-144	3	5	

SAMPLE DUPLICATE: 188368

Parameter	Units	6023506004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	ND	.13J	86	11	R3
Nitrite as N	mg/L	ND	ND	0	10	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: MPRP/4182 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 188574
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 188575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9720	97	80-120	
Arsenic	ug/L	1000	1010	101	80-120	
Barium	ug/L	1000	959	96	80-120	
Beryllium	ug/L	1000	976	98	80-120	
Cadmium	ug/L	1000	998	100	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	1000	990	99	80-120	
Lead	ug/L	1000	993	99	80-120	
Magnesium	ug/L	10000	9890	99	80-120	
Manganese	ug/L	1000	990	99	80-120	
Nickel	ug/L	1000	993	99	80-120	
Potassium	ug/L	10000	9770	98	80-120	
Selenium	ug/L	1000	991	99	80-120	
Silver	ug/L	500	483	97	80-120	
Sodium	ug/L	10000	9150	92	80-120	
Thallium	ug/L	1000	953	95	80-120	
Zinc	ug/L	1000	989	99	80-120	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 188576 188577

Parameter	Units	6023371001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	20000	20000	19700	19300	98	96	75-125	2	20	
Arsenic	ug/L	ND	2000	2000	2030	2010	101	100	75-125	1	20	
Barium	ug/L	70.7	2000	2000	1990	1950	96	94	75-125	2	20	
Beryllium	ug/L	ND	2000	2000	1940	1910	97	95	75-125	2	20	
Cadmium	ug/L	ND	2000	2000	1970	1940	99	97	75-125	1	20	
Calcium	ug/L	40400	20000	20000	61800	61400	107	105	75-125	1	20	
Chromium	ug/L	ND	2000	2000	1970	1940	98	97	75-125	2	20	
Lead	ug/L	ND	2000	2000	1980	1940	99	97	75-125	2	20	
Magnesium	ug/L	10800	20000	20000	31200	30800	102	100	75-125	1	20	
Manganese	ug/L	60.2	2000	2000	2040	2010	99	97	75-125	1	20	
Nickel	ug/L	ND	2000	2000	1960	1940	98	97	75-125	1	20	
Potassium	ug/L	2920	20000	20000	24900	24400	110	108	75-125	2	20	
Selenium	ug/L	ND	2000	2000	1990	1960	100	98	75-125	2	20	
Silver	ug/L	ND	1000	1000	985	970	99	97	75-125	2	20	
Sodium	ug/L	242000	20000	20000	304000	308000	309	329	75-125	1	20	M0
Thallium	ug/L	ND	2000	2000	1920	1880	96	94	75-125	2	20	
Zinc	ug/L	ND	2000	2000	1960	1940	98	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4730
QC Batch Method: EPA 365.4
Analysis Method: EPA 365.4
Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023506001, 6023506002

METHOD BLANK: 189210
Associated Lab Samples: 6023506001, 6023506002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 189211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	103	90-110	

MATRIX SPIKE SAMPLE: 189212

Parameter	Units	6023379001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.0	2	4.0	102	58-132	

SAMPLE DUPLICATE: 189213

Parameter	Units	6023417001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	.015J	62	12	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4731
QC Batch Method: EPA 365.4
Analysis Method: EPA 365.4
Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023506003, 6023506004

METHOD BLANK: 189214
Associated Lab Samples: 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 189215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 189216

Parameter	Units	6023506004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.0	100	58-132	

SAMPLE DUPLICATE: 189217

Parameter	Units	6023549001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	.2J	3	12	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4743 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 189610
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 189611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	98	90-110	

MATRIX SPIKE SAMPLE: 189612

Parameter	Units	6023434006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	89	90-110	M1

SAMPLE DUPLICATE: 189613

Parameter	Units	6023434007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND	12	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7794 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 190286
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 190287

Parameter	Units	6023484004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1920	1920	0	5	

SAMPLE DUPLICATE: 190288

Parameter	Units	6023506003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	219	217	1	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7804 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 190647
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 190648

Parameter	Units	6023491001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	484	516	6	5	R1

SAMPLE DUPLICATE: 190649

Parameter	Units	6023501002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	160	170	6	5	R1

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7809 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 190773
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 190774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	492	98	90-110	

SAMPLE DUPLICATE: 190775

Parameter	Units	6023506003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	195	199	2	6	

SAMPLE DUPLICATE: 190776

Parameter	Units	6023585001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	64.7	66.4	3	6	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4777 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 191640
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 191641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	48.7	97	85-116	

MATRIX SPIKE SAMPLE: 191643

Parameter	Units	6023492001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	48.4	97	33-135	

SAMPLE DUPLICATE: 191642

Parameter	Units	6023435001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND	142	14	R3

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7869 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

SAMPLE DUPLICATE: 192413

Parameter	Units	6023371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	148	150	1	5	

SAMPLE DUPLICATE: 192414

Parameter	Units	6023434006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	205	207	1	5	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WET/7889 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 192722
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Oil and Grease	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 192723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	35.3	88	78-114	

MATRIX SPIKE SAMPLE: 192724

Parameter	Units	6023506003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	44.4	42.9	94	78-114	

SAMPLE DUPLICATE: 192725

Parameter	Units	6023506004 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND	2	18	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4798 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 193150
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 193151

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	103	90-110	
Sulfate	mg/L	5	5.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193154 193155

Parameter	Units	6023484003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	39.5	10	10	45.4	45.9	59	65	57-123	1	6	
Sulfate	mg/L	87.1	10	10	92.5	94.1	54	70	60-133	2	12	M1

SAMPLE DUPLICATE: 193156

Parameter	Units	6023484004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	314	318	1	14	
Sulfate	mg/L	3.9	4.1	6	11	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: WETA/4809 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 193539
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.0	100	90-110	

MATRIX SPIKE SAMPLE: 193541

Parameter	Units	6023371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.65	5	5.5	97	90-110	

SAMPLE DUPLICATE: 193542

Parameter	Units	6023371002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.4	1.2	13	20	

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QUALITY CONTROL DATA

Project: Surface Water Quality
Pace Project No.: 6023506

QC Batch: MERP/1963 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

METHOD BLANK: 193615
Associated Lab Samples: 6023506001, 6023506002, 6023506003, 6023506004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.5	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193617 193618

Parameter	Units	6023371002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.7	94	95	75-125	1	19	

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QUALIFIERS

Project: Surface Water Quality
Pace Project No.: 6023506

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023506

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023506001	SG-A3	EPA 365.1	WETA/4721		
6023506002	PG-1	EPA 365.1	WETA/4721		
6023506003	SG-L	EPA 365.1	WETA/4721		
6023506004	FB-3	EPA 365.1	WETA/4721		
6023506001	SG-A3	EPA 110.2	WET/7726		
6023506002	PG-1	EPA 110.2	WET/7726		
6023506003	SG-L	EPA 110.2	WET/7726		
6023506004	FB-3	EPA 110.2	WET/7726		
6023506001	SG-A3	SM 5210B	WET/7730	SM 5210B	WET/7732
6023506002	PG-1	SM 5210B	WET/7730	SM 5210B	WET/7732
6023506003	SG-L	SM 5210B	WET/7730	SM 5210B	WET/7732
6023506004	FB-3	SM 5210B	WET/7730	SM 5210B	WET/7732
6023506001	SG-A3	EPA 300.0	WETA/4722		
6023506002	PG-1	EPA 300.0	WETA/4722		
6023506003	SG-L	EPA 300.0	WETA/4722		
6023506004	FB-3	EPA 300.0	WETA/4722		
6023506001	SG-A3	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023506002	PG-1	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023506003	SG-L	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023506004	FB-3	EPA 3010	MPRP/4182	EPA 6010	ICP/3723
6023506001	SG-A3	EPA 365.4	WETA/4730		
6023506002	PG-1	EPA 365.4	WETA/4730		
6023506003	SG-L	EPA 365.4	WETA/4731		
6023506004	FB-3	EPA 365.4	WETA/4731		
6023506001	SG-A3	EPA 350.1	WETA/4743		
6023506002	PG-1	EPA 350.1	WETA/4743		
6023506003	SG-L	EPA 350.1	WETA/4743		
6023506004	FB-3	EPA 350.1	WETA/4743		
6023506001	SG-A3	SM 2540C	WET/7794		
6023506002	PG-1	SM 2540C	WET/7794		
6023506003	SG-L	SM 2540C	WET/7794		
6023506004	FB-3	SM 2540C	WET/7794		
6023506001	SG-A3	SM 2540D	WET/7804		
6023506002	PG-1	SM 2540D	WET/7804		
6023506003	SG-L	SM 2540D	WET/7804		
6023506004	FB-3	SM 2540D	WET/7804		
6023506001	SG-A3	SM 2320B	WET/7809		
6023506002	PG-1	SM 2320B	WET/7809		
6023506003	SG-L	SM 2320B	WET/7809		
6023506004	FB-3	SM 2320B	WET/7809		
6023506001	SG-A3	EPA 410.4	WETA/4777		
6023506002	PG-1	EPA 410.4	WETA/4777		
6023506003	SG-L	EPA 410.4	WETA/4777		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Surface Water Quality
Pace Project No.: 6023506

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023506004	FB-3	EPA 410.4	WETA/4777		
6023506001	SG-A3	SM 2340C	WET/7869		
6023506002	PG-1	SM 2340C	WET/7869		
6023506003	SG-L	SM 2340C	WET/7869		
6023506004	FB-3	SM 2340C	WET/7869		
6023506001	SG-A3	EPA 1664A	WET/7889		
6023506002	PG-1	EPA 1664A	WET/7889		
6023506003	SG-L	EPA 1664A	WET/7889		
6023506004	FB-3	EPA 1664A	WET/7889		
6023506001	SG-A3	EPA 300.0	WETA/4798		
6023506002	PG-1	EPA 300.0	WETA/4798		
6023506003	SG-L	EPA 300.0	WETA/4798		
6023506004	FB-3	EPA 300.0	WETA/4798		
6023506001	SG-A3	EPA 351.2	WETA/4809		
6023506002	PG-1	EPA 351.2	WETA/4809		
6023506003	SG-L	EPA 351.2	WETA/4809		
6023506004	FB-3	EPA 351.2	WETA/4809		
6023506001	SG-A3	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023506002	PG-1	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023506003	SG-L	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023506004	FB-3	EPA 7470	MERP/1963	EPA 7470	MERC/1945
6023506001	SG-A3	TKN-NH3 Calculation	WET/7929		
6023506002	PG-1	TKN-NH3 Calculation	WET/7929		
6023506003	SG-L	TKN-NH3 Calculation	WET/7929		
6023506004	FB-3	TKN-NH3 Calculation	WET/7929		

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February 26, 2008

Re issued results w/ Bicarbonate + CO_2.

Robert Halden
Rizzo Environmental
105 Mall Boulevard, Suite 270E
Monroeville, PA 15146

RE: Project: Ground Water Quality
Pace Project No.: 6024101

Dear Robert Halden:
Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

Enclosures

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SAMPLE SUMMARY

Project: Ground Water Quality
Pace Project No.: 6024101

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6024101001	**MW-6S**	Water	06/12/07 09:45	06/13/07 10:30
6024101002	**EB-3**	Water	06/12/07 11:25	06/13/07 10:30
6024101003	**FB-7**	Water	06/12/07 11:40	06/13/07 10:30
6024101004	**MW-3S**	Water	06/12/07 12:20	06/13/07 10:30

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6024101

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6024101001	MW-6S	EPA 110.2	KMW	1
		EPA 300.0	ACM	4
		EPA 350.1	AJM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	SSM	19
		EPA 7470	TJG	1
		SM 2320B	KMW	2
		SM 2340C	KPZ	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	HMW	1
		SM 5210B	KMW	1
		TKN-NH3 Calculation	KMW	1
6024101002	EB-3	EPA 110.2	KMW	1
		EPA 300.0	ACM	4
		EPA 350.1	AJM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	SSM	19
		EPA 7470	TJG	1
		SM 2320B	KMW	2
		SM 2340C	KPZ	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	HMW	1
		SM 5210B	KMW	1
		TKN-NH3 Calculation	KMW	1
6024101003	FB-7	EPA 110.2	KMW	1
		EPA 300.0	ACM	4
		EPA 350.1	AJM	1

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6024101

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	SSM	19
		EPA 7470	TJG	1
		SM 2320B	KMW	2
		SM 2340C	KPZ	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	HMW	1
		SM 5210B	KMW	1
		TKN-NH3 Calculation	KMW	1
6024101004	**MW-3S**	EPA 110.2	KMW	1
		EPA 300.0	ACM	4
		EPA 350.1	AJM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	SSM	19
		EPA 7470	TJG	1
		SM 2320B	KMW	2
		SM 2340C	KPZ	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	HMW	1
		SM 5210B	KMW	1
		TKN-NH3 Calculation	KMW	1

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: MW-6S **Lab ID: 6024101001** Collected: 06/12/07 09:45 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**4810**	ug/L	75.0	1	06/14/07 00:00	06/21/07 12:18	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:18	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:18	7440-38-2	
Barium	**150**	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:18	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/14/07 00:00	06/21/07 12:18	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:18	7440-43-9	
Calcium	**81900**	ug/L	100	1	06/14/07 00:00	06/21/07 12:18	7440-70-2	
Chromium	**11.9**	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:18	7440-47-3	
Iron	**7060**	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:18	7439-89-6	
Lead	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:18	7439-92-1	
Magnesium	**32000**	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:18	7439-95-4	
Manganese	**122**	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:18	7439-96-5	
Nickel	**26.8**	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:18	7440-02-0	
Potassium	**3120**	ug/L	500	1	06/14/07 00:00	06/21/07 12:18	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/14/07 00:00	06/21/07 12:18	7782-49-2	
Silver	ND	ug/L	7.0	1	06/14/07 00:00	06/21/07 12:18	7440-22-4	
Sodium	**75000**	ug/L	500	1	06/14/07 00:00	06/21/07 12:18	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/14/07 00:00	06/21/07 12:18	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:18	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/20/07 00:00	06/21/07 10:16	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**135**	units	5.0	5		06/13/07 17:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**300**	mg/L	20.0	1		06/18/07 18:05		
Alkalinity, Total	**300**	mg/L	20.0	1		06/18/07 18:05		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**340**	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**562**	mg/L	5.0	1		06/14/07 17:52		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**344**	mg/L	5.0	1		06/17/07 14:04		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.5**	Std. Units	0.10	1		06/13/07 15:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	**2.1**	mg/L	2.0	1	06/13/07 16:57	06/18/07 10:35		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: MW-6S **Lab ID: 6024101001** Collected: 06/12/07 09:45 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.35**	mg/L	0.20	1		06/21/07 09:53		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**23.0**	mg/L	1.0	1		06/13/07 17:57	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/13/07 17:57	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**52.0**	mg/L	1.0	1		06/13/07 17:57	16887-00-6	
Sulfate	**41.1**	mg/L	1.0	1		06/13/07 17:57	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 16:25	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.35**	**mg/L**	**0.20**	1		06/14/07 14:27	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/13/07 16:59		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:53	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/16/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	**284**	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: EB-3 **Lab ID: 6024101002** Collected: 06/12/07 11:25 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/14/07 00:00	06/21/07 12:23	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:23	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:23	7440-38-2	
Barium	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:23	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/14/07 00:00	06/21/07 12:23	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:23	7440-43-9	
Calcium	ND	ug/L	100	1	06/14/07 00:00	06/21/07 12:23	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:23	7440-47-3	
Iron	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:23	7439-89-6	
Lead	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:23	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:23	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:23	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:23	7440-02-0	
Potassium	ND	ug/L	500	1	06/14/07 00:00	06/21/07 12:23	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/14/07 00:00	06/21/07 12:23	7782-49-2	
Silver	ND	ug/L	7.0	1	06/14/07 00:00	06/21/07 12:23	7440-22-4	
Sodium	ND	ug/L	500	1	06/14/07 00:00	06/21/07 12:23	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/14/07 00:00	06/21/07 12:23	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:23	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/20/07 00:00	06/21/07 10:21	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/13/07 17:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	20.0	1		06/18/07 18:08		
Alkalinity, Total	ND	mg/L	20.0	1		06/18/07 18:08		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**11.0**	mg/L	5.0	1		06/14/07 17:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/19/07 16:39		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**6.4**	Std. Units	0.10	1		06/13/07 15:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	**2.4**	mg/L	2.0	1	06/13/07 17:09	06/18/07 10:52		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: EB-3 **Lab ID: 6024101002** Collected: 06/12/07 11:25 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/13/07 18:10	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/13/07 18:10	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/13/07 18:10	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/13/07 18:10	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 16:28	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:29	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/13/07 17:01		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:55	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/16/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	ND	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: FB-7 **Lab ID: 6024101003** Collected: 06/12/07 11:40 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/14/07 00:00	06/21/07 12:28	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:28	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:28	7440-38-2	
Barium	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:28	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/14/07 00:00	06/21/07 12:28	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:28	7440-43-9	
Calcium	ND	ug/L	100	1	06/14/07 00:00	06/21/07 12:28	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:28	7440-47-3	
Iron	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:28	7439-89-6	
Lead	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:28	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:28	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:28	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:28	7440-02-0	
Potassium	ND	ug/L	500	1	06/14/07 00:00	06/21/07 12:28	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/14/07 00:00	06/21/07 12:28	7782-49-2	
Silver	ND	ug/L	7.0	1	06/14/07 00:00	06/21/07 12:28	7440-22-4	
Sodium	ND	ug/L	500	1	06/14/07 00:00	06/21/07 12:28	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/14/07 00:00	06/21/07 12:28	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:28	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/20/07 00:00	06/21/07 10:22	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/13/07 17:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	20.0	1		06/18/07 18:11		
Alkalinity, Total	ND	mg/L	20.0	1		06/18/07 18:11		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**5.0**	mg/L	5.0	1		06/14/07 17:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/19/07 16:39		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**5.6**	Std. Units	0.10	1		06/13/07 15:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 17:10	06/18/07 10:55		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: FB-7 **Lab ID: 6024101003** Collected: 06/12/07 11:40 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/13/07 18:23	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/13/07 18:23	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/13/07 18:23	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/13/07 18:23	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 16:28	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:29	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/13/07 17:03		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:56	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/16/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	**30.6**	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: MW-3S **Lab ID: 6024101004** Collected: 06/12/07 12:20 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**766**	ug/L	75.0	1	06/14/07 00:00	06/21/07 12:33	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:33	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:33	7440-38-2	
Barium	**78.6**	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:33	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/14/07 00:00	06/21/07 12:33	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:33	7440-43-9	
Calcium	**62900**	ug/L	100	1	06/14/07 00:00	06/21/07 12:33	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:33	7440-47-3	
Iron	**921**	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:33	7439-89-6	
Lead	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:33	7439-92-1	
Magnesium	**28400**	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:33	7439-95-4	
Manganese	**79.4**	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:33	7439-96-5	
Nickel	**6.6**	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:33	7440-02-0	
Potassium	**4050**	ug/L	500	1	06/14/07 00:00	06/21/07 12:33	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/14/07 00:00	06/21/07 12:33	7782-49-2	
Silver	ND	ug/L	7.0	1	06/14/07 00:00	06/21/07 12:33	7440-22-4	
Sodium	**68700**	ug/L	500	1	06/14/07 00:00	06/21/07 12:33	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/14/07 00:00	06/21/07 12:33	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:33	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/20/07 00:00	06/21/07 10:23	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**12.0**	units	1.0	1		06/13/07 17:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**376**	mg/L	20.0	1		06/18/07 18:16		
Alkalinity, Total	**376**	mg/L	20.0	1		06/18/07 18:16		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**276**	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**640**	mg/L	5.0	1		06/17/07 16:14		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**23.0**	mg/L	5.0	1		06/19/07 16:40		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		06/13/07 15:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 17:16	06/18/07 11:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: MW-3S **Lab ID: 6024101004** Collected: 06/12/07 12:20 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/13/07 18:35	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/13/07 18:35	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**5.1**	mg/L	1.0	1		06/13/07 18:35	16887-00-6	
Sulfate	**26.9**	mg/L	1.0	1		06/13/07 18:35	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 16:29	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:30	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/13/07 17:04		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:59	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/16/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	**366**	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4796 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193084
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 193085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.7	93	90-110	
Nitrite as N	mg/L	5	4.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193086 193087

Parameter	Units	6024037002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	5.3	5.3	91	91	61-128	1	7	
Nitrite as N	mg/L	ND	5	5	5.0	5.0	100	100	73-144	1	5	

SAMPLE DUPLICATE: 193088

Parameter	Units	6024059002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	1.1	1.1	4	11	
Nitrite as N	mg/L	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7906 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193349
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 193350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	199	101	85-115	

SAMPLE DUPLICATE: 193351

Parameter	Units	6024078001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	11.7	11.9	2	22	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4804 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193424
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 193425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.8	91	90-110	

MATRIX SPIKE SAMPLE: 193426

Parameter	Units	6024101001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	ND	2	1.8	92	90-110	

SAMPLE DUPLICATE: 193427

Parameter	Units	6024101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7910 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193456
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 193457

Parameter	Units	6024101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4807 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193531
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 193532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 193533

Parameter	Units	6024026001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.0	101	58-132	

SAMPLE DUPLICATE: 193534

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND	0	12	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4811 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193547
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.9	98	90-110	

MATRIX SPIKE SAMPLE: 193549

Parameter	Units	6023945002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	5	5.0	100	90-110	

SAMPLE DUPLICATE: 193550

Parameter	Units	6023945003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	ND	181	20	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7923 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6024101001, 6024101002, 6024101003

METHOD BLANK: 194143
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 194144

Parameter	Units	6023782002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1720	1710	0	5	

SAMPLE DUPLICATE: 194145

Parameter	Units	6024070001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	54.0	56.0	4	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: MPRP/4263 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 194167
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Antimony	ug/L	ND	10.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Iron	ug/L	ND	50.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 194168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9490	95	80-120	
Antimony	ug/L	1000	969	97	80-120	
Arsenic	ug/L	1000	978	98	80-120	
Barium	ug/L	1000	937	94	80-120	
Beryllium	ug/L	1000	959	96	80-120	
Cadmium	ug/L	1000	979	98	80-120	
Calcium	ug/L	10000	9940	99	80-120	
Chromium	ug/L	1000	969	97	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lead	ug/L	1000	968	97	80-120	
Magnesium	ug/L	10000	9690	97	80-120	
Manganese	ug/L	1000	969	97	80-120	
Nickel	ug/L	1000	971	97	80-120	
Potassium	ug/L	10000	9500	95	80-120	
Selenium	ug/L	1000	948	95	80-120	
Silver	ug/L	500	477	95	80-120	
Sodium	ug/L	10000	8980	90	80-120	
Thallium	ug/L	1000	932	93	80-120	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

LABORATORY CONTROL SAMPLE: 194168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	1000	956	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194169 194170

Parameter	Units	6024037002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9590	9300	96	93	75-125	3	10	
Antimony	ug/L	ND	1000	1000	980	961	98	96	75-125	2	8	
Arsenic	ug/L	ND	1000	1000	992	975	98	97	75-125	2	9	
Barium	ug/L	78.5	1000	1000	1020	998	95	92	75-125	3	7	
Beryllium	ug/L	ND	1000	1000	964	937	96	94	75-125	3	5	
Cadmium	ug/L	ND	1000	1000	975	952	98	95	75-125	2	7	
Calcium	ug/L	51400	10000	10000	62100	60800	107	94	75-125	2	8	
Chromium	ug/L	ND	1000	1000	971	943	97	94	75-125	3	7	
Iron	ug/L	ND	10000	10000	10200	9910	101	99	75-125	3	12	
Lead	ug/L	ND	1000	1000	968	943	97	94	75-125	3	8	
Magnesium	ug/L	8500	10000	10000	18500	18000	100	95	75-125	3	7	
Manganese	ug/L	ND	1000	1000	974	948	97	95	75-125	3	9	
Nickel	ug/L	ND	1000	1000	970	943	97	94	75-125	3	7	
Potassium	ug/L	5250	10000	10000	15200	14900	99	97	75-125	2	7	
Selenium	ug/L	ND	1000	1000	954	942	94	93	75-125	1	7	
Silver	ug/L	ND	500	500	481	474	96	95	75-125	1	7	
Sodium	ug/L	17400	10000	10000	27600	27100	101	97	75-125	2	12	
Thallium	ug/L	ND	1000	1000	936	916	94	92	75-125	2	6	
Zinc	ug/L	ND	1000	1000	954	929	95	93	75-125	3	8	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4822 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 194423
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 194424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	105	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194425 194426

Parameter	Units	6024026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.5	5	5	29.4	29.3	39	37	57-123	0	6	M0
Sulfate	mg/L	82.2	25	25	103	107	85	98	60-133	3	12	

SAMPLE DUPLICATE: 194427

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	ND	ND	0	14	
Sulfate	mg/L	ND	ND	0	11	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7950
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6024101004

METHOD BLANK: 195041
Associated Lab Samples: 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 195042

Parameter	Units	0706-2647 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	459000	440000	4	5	

SAMPLE DUPLICATE: 195043

Parameter	Units	6024182001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	225	223	1	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7952
QC Batch Method: SM 2540D
Analysis Method: SM 2540D
Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6024101001

METHOD BLANK: 195045
Associated Lab Samples: 6024101001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 195046

Parameter	Units	6024058002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND	0	5	

SAMPLE DUPLICATE: 195047

Parameter	Units	6024076002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	152	156	3	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4828 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 195052
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 195053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	49.0	98	85-116	

MATRIX SPIKE SAMPLE: 195054

Parameter	Units	6024187001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	53.0	107	33-135	

SAMPLE DUPLICATE: 195055

Parameter	Units	6024187002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND		14	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4837 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 195583
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 195584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	94	90-110	

MATRIX SPIKE SAMPLE: 195585

Parameter	Units	6024098004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1.8	2	3.6	89	90-110	M1

SAMPLE DUPLICATE: 195586

Parameter	Units	6024099001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7973 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6024101002, 6024101003, 6024101004

METHOD BLANK: 195652
Associated Lab Samples: 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 195653

Parameter	Units	6024313001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND	0	5	

SAMPLE DUPLICATE: 195654

Parameter	Units	6024167001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND	0	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7977 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 195756
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 195757

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	481	96	90-110	

SAMPLE DUPLICATE: 195758

Parameter	Units	6024026001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	314	320	2	6	
Alkalinity,Bicarbonate (CaCO3)	mg/L	314	320	2	6	

SAMPLE DUPLICATE: 195759

Parameter	Units	6024101004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	376	392	4	6	
Alkalinity,Bicarbonate (CaCO3)	mg/L	376	392	4	6	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: MERP/1986 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 196384
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 196385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.3	85	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 196386 196387

Parameter	Units	6024101001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.7	4.7	92	92	75-125	1	19	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7994 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

SAMPLE DUPLICATE: 196421

Parameter	Units	6024021001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	33.0	33.0	0	5	

SAMPLE DUPLICATE: 196422

Parameter	Units	6024101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	ND	ND	0	5	

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QUALIFIERS

Project: Ground Water Quality
Pace Project No.: 6024101

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6024101

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6024101001	MW-6S	EPA 300.0	WETA/4796		
6024101002	EB-3	EPA 300.0	WETA/4796		
6024101003	FB-7	EPA 300.0	WETA/4796		
6024101004	MW-3S	EPA 300.0	WETA/4796		
6024101001	MW-6S	SM 5210B	WET/7906	SM 5210B	WET/7912
6024101002	EB-3	SM 5210B	WET/7906	SM 5210B	WET/7912
6024101003	FB-7	SM 5210B	WET/7906	SM 5210B	WET/7912
6024101004	MW-3S	SM 5210B	WET/7906	SM 5210B	WET/7912
6024101001	MW-6S	EPA 365.1	WETA/4804		
6024101002	EB-3	EPA 365.1	WETA/4804		
6024101003	FB-7	EPA 365.1	WETA/4804		
6024101004	MW-3S	EPA 365.1	WETA/4804		
6024101001	MW-6S	EPA 110.2	WET/7910		
6024101002	EB-3	EPA 110.2	WET/7910		
6024101003	FB-7	EPA 110.2	WET/7910		
6024101004	MW-3S	EPA 110.2	WET/7910		
6024101001	MW-6S	EPA 365.4	WETA/4807		
6024101002	EB-3	EPA 365.4	WETA/4807		
6024101003	FB-7	EPA 365.4	WETA/4807		
6024101004	MW-3S	EPA 365.4	WETA/4807		
6024101001	MW-6S	EPA 351.2	WETA/4811		
6024101002	EB-3	EPA 351.2	WETA/4811		
6024101003	FB-7	EPA 351.2	WETA/4811		
6024101004	MW-3S	EPA 351.2	WETA/4811		
6024101001	MW-6S	SM 2540C	WET/7923		
6024101002	EB-3	SM 2540C	WET/7923		
6024101003	FB-7	SM 2540C	WET/7923		
6024101001	MW-6S	EPA 3010	MPRP/4263	EPA 6010	ICP/3788
6024101002	EB-3	EPA 3010	MPRP/4263	EPA 6010	ICP/3788
6024101003	FB-7	EPA 3010	MPRP/4263	EPA 6010	ICP/3788
6024101004	MW-3S	EPA 3010	MPRP/4263	EPA 6010	ICP/3788
6024101001	MW-6S	EPA 300.0	WETA/4822		
6024101002	EB-3	EPA 300.0	WETA/4822		
6024101003	FB-7	EPA 300.0	WETA/4822		
6024101004	MW-3S	EPA 300.0	WETA/4822		
6024101004	MW-3S	SM 2540C	WET/7950		
6024101001	MW-6S	SM 2540D	WET/7952		
6024101001	MW-6S	EPA 410.4	WETA/4828		
6024101002	EB-3	EPA 410.4	WETA/4828		
6024101003	FB-7	EPA 410.4	WETA/4828		
6024101004	MW-3S	EPA 410.4	WETA/4828		
6024101001	MW-6S	EPA 350.1	WETA/4837		
6024101002	EB-3	EPA 350.1	WETA/4837		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6024101

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6024101003	FB-7	EPA 350.1	WETA/4837		
6024101004	MW-3S	EPA 350.1	WETA/4837		
6024101002	EB-3	SM 2540D	WET/7973		
6024101003	FB-7	SM 2540D	WET/7973		
6024101004	MW-3S	SM 2540D	WET/7973		
6024101001	MW-6S	SM 2320B	WET/7977		
6024101002	EB-3	SM 2320B	WET/7977		
6024101003	FB-7	SM 2320B	WET/7977		
6024101004	MW-3S	SM 2320B	WET/7977		
6024101001	MW-6S	EPA 7470	MERP/1986	EPA 7470	MERC/1965
6024101002	EB-3	EPA 7470	MERP/1986	EPA 7470	MERC/1965
6024101003	FB-7	EPA 7470	MERP/1986	EPA 7470	MERC/1965
6024101004	MW-3S	EPA 7470	MERP/1986	EPA 7470	MERC/1965
6024101001	MW-6S	SM 2340C	WET/7994		
6024101002	EB-3	SM 2340C	WET/7994		
6024101003	FB-7	SM 2340C	WET/7994		
6024101004	MW-3S	SM 2340C	WET/7994		
6024101001	MW-6S	TKN-NH3 Calculation	WET/8035		
6024101002	EB-3	TKN-NH3 Calculation	WET/8035		
6024101003	FB-7	TKN-NH3 Calculation	WET/8035		
6024101004	MW-3S	TKN-NH3 Calculation	WET/8035		
6024101001	MW-6S	SM 4500-H+B	WET/11230		
6024101002	EB-3	SM 4500-H+B	WET/11230		
6024101003	FB-7	SM 4500-H+B	WET/11230		
6024101004	MW-3S	SM 4500-H+B	WET/11230		
6024101001	MW-6S	SM 4500-CO2 D	WETA/6364		
6024101002	EB-3	SM 4500-CO2 D	WETA/6364		
6024101003	FB-7	SM 4500-CO2 D	WETA/6364		
6024101004	MW-3S	SM 4500-CO2 D	WETA/6364		

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June 27, 2007

Dan Carey
Rizzo Environmental
602 Market Street, Box 103
Fulton, MO 65251

RE: Project: Ground Water Quality
Pace Project No.: 6023728

Dear Dan Carey:
Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

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SAMPLE SUMMARY

Project: Ground Water Quality
Pace Project No.: 6023728

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6023728001	MW-2S	Water	06/05/07 11:35	06/06/07 10:30
6023728002	FB-4	Water	06/05/07 16:30	06/06/07 10:30
6023728003	EB-1	Water	06/05/07 16:45	06/06/07 10:30

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6023728

Lab ID	Sample ID	Method	Analytes Reported
6023728001	MW-2S	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023728002	FB-4	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023728003	EB-1	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6023728

Lab ID	Sample ID	Method	Analytes Reported
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: MW-2S **Lab ID: 6023728001** Collected: 06/05/07 11:35 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**2600**	ug/L	75.0	1	06/12/07 00:00	06/13/07 11:34	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:34	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:34	7440-38-2	
Barium	**474**	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:34	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 11:34	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:34	7440-43-9	
Calcium	**95700**	ug/L	100	1	06/12/07 00:00	06/13/07 11:34	7440-70-2	
Chromium	**5.0**	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:34	7440-47-3	
Iron	**4280**	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:34	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:34	7439-92-1	
Magnesium	**22000**	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:34	7439-95-4	
Manganese	**74.6**	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:34	7439-96-5	
Nickel	**6.0**	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:34	7440-02-0	
Potassium	**1100**	ug/L	500	1	06/12/07 00:00	06/13/07 11:34	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 11:34	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 11:34	7440-22-4	
Sodium	**58500**	ug/L	500	1	06/12/07 00:00	06/13/07 11:34	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/13/07 11:34	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:34	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:15	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**80.0**	units	5.0	5		06/07/07 09:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**333**	mg/L	20.0	1		06/07/07 19:40		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**316**	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**500**	mg/L	5.0	1		06/12/07 13:49		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**133**	mg/L	5.0	1		06/12/07 09:28		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/06/07 17:00	06/11/07 10:41		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: MW-2S **Lab ID: 6023728001** Collected: 06/05/07 11:35 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**13.7**	mg/L	1.0	1		06/06/07 19:29	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/06/07 19:29	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**23.9**	mg/L	1.0	1		06/06/07 19:29	16887-00-6	
Sulfate	**23.6**	mg/L	1.0	1		06/06/07 19:29	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/12/07 13:20	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:40	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 11:52		H1
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:04	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: FB-4 **Lab ID: 6023728002** Collected: 06/05/07 16:30 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/12/07 00:00	06/13/07 11:49	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:49	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:49	7440-38-2	
Barium	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:49	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 11:49	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:49	7440-43-9	
Calcium	**176**	ug/L	100	1	06/12/07 00:00	06/13/07 11:49	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:49	7440-47-3	
Iron	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:49	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:49	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:49	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:49	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:49	7440-02-0	
Potassium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 11:49	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 11:49	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 11:49	7440-22-4	
Sodium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 11:49	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/13/07 11:49	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:49	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:19	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/07/07 09:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/07/07 19:55		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/12/07 13:49		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/12/07 09:29		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/06/07 17:09	06/11/07 10:54		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: FB-4 **Lab ID: 6023728002** Collected: 06/05/07 16:30 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/06/07 19:54	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/06/07 19:54	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/06/07 19:54	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/06/07 19:54	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/12/07 13:21	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:44	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 11:54		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:09	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: EB-1 **Lab ID: 6023728003** Collected: 06/05/07 16:45 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/12/07 00:00	06/13/07 11:54	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:54	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:54	7440-38-2	
Barium	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:54	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 11:54	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:54	7440-43-9	
Calcium	ND	ug/L	100	1	06/12/07 00:00	06/13/07 11:54	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:54	7440-47-3	
Iron	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:54	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:54	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:54	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:54	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:54	7440-02-0	
Potassium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 11:54	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 11:54	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 11:54	7440-22-4	
Sodium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 11:54	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/13/07 11:54	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:54	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:20	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/07/07 09:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/07/07 19:57		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/12/07 13:49		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/12/07 09:29		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/06/07 17:12	06/11/07 10:57		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: EB-1 **Lab ID: 6023728003** Collected: 06/05/07 16:45 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/06/07 20:32	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/06/07 20:32	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/06/07 20:32	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/06/07 20:32	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/12/07 13:22	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:46	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 11:57		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:12	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4752 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 190227
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 190228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.2	103	90-110	
Nitrite as N	mg/L	5	5.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 190229 190230

Parameter	Units	6023719001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	5.1	5.1	100	101	61-128	.9	7	
Nitrite as N	mg/L	ND	5	5	5.0	5.1	100	103	73-144	3	5	

SAMPLE DUPLICATE: 190231

Parameter	Units	6023719002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	ND	.094J	5	11	
Nitrite as N	mg/L	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7789 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 190252
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 190253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	217	110	85-115	

SAMPLE DUPLICATE: 190254

Parameter	Units	6023696001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	2040	2170	6	22	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4759 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 190402
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 190403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.8	92	90-110	

MATRIX SPIKE SAMPLE: 190404

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 190405

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7801 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 190571
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 190572

Parameter	Units	6023728001 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	80.0	80.0	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4767 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 190887
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 190888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 190889

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.2	103	58-132	

SAMPLE DUPLICATE: 190890

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND	143	12	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7838 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 191355
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 191356

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	470	94	90-110	

SAMPLE DUPLICATE: 191357

Parameter	Units	6023720003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	733	737	6	6	

SAMPLE DUPLICATE: 191358

Parameter	Units	6023728003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	ND	ND	25	6	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7870 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6023728001, 6023728002, 6023728003

SAMPLE DUPLICATE: 192415

Parameter	Units	6023728001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	316	319	1	5	

SAMPLE DUPLICATE: 192416

Parameter	Units	6023873009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	681	690	1	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: MPRP/4243 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 192562
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Antimony	ug/L	ND	10.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Iron	ug/L	ND	50.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 192563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9460	95	80-120	
Antimony	ug/L	1000	973	97	80-120	
Arsenic	ug/L	1000	1020	102	80-120	
Barium	ug/L	1000	946	95	80-120	
Beryllium	ug/L	1000	972	97	80-120	
Cadmium	ug/L	1000	1000	100	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Chromium	ug/L	1000	976	98	80-120	
Iron	ug/L	10000	10200	102	80-120	
Lead	ug/L	1000	989	99	80-120	
Magnesium	ug/L	10000	9750	97	80-120	
Manganese	ug/L	1000	988	99	80-120	
Nickel	ug/L	1000	984	98	80-120	
Potassium	ug/L	10000	9510	95	80-120	
Selenium	ug/L	1000	988	99	80-120	
Silver	ug/L	500	469	94	80-120	
Sodium	ug/L	10000	8940	89	80-120	
Thallium	ug/L	1000	959	96	80-120	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

LABORATORY CONTROL SAMPLE: 192563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	1000	991	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 192564 192565

Parameter	Units	6023800001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	576	10000	10000	10500	10600	99	101	75-125	2	10	
Antimony	ug/L	ND	1000	1000	983	1000	98	100	75-125	2	8	
Arsenic	ug/L	ND	1000	1000	1030	1040	103	104	75-125	1	9	
Barium	ug/L	70.7	1000	1000	1020	1040	95	97	75-125	2	7	
Beryllium	ug/L	ND	1000	1000	977	995	98	100	75-125	2	5	
Cadmium	ug/L	ND	1000	1000	994	1020	100	102	75-125	2	7	
Calcium	ug/L	47400	10000	10000	55800	57100	84	98	75-125	2	8	
Chromium	ug/L	ND	1000	1000	977	993	98	99	75-125	2	7	
Iron	ug/L	676	10000	10000	11000	11200	103	105	75-125	2	12	
Lead	ug/L	ND	1000	1000	982	1010	98	101	75-125	3	8	
Magnesium	ug/L	14400	10000	10000	23700	24200	94	99	75-125	2	7	
Manganese	ug/L	112	1000	1000	1100	1120	99	101	75-125	2	9	
Nickel	ug/L	ND	1000	1000	984	1000	98	100	75-125	2	7	
Potassium	ug/L	3260	10000	10000	13000	13200	97	99	75-125	2	7	
Selenium	ug/L	ND	1000	1000	984	1010	98	101	75-125	3	7	
Silver	ug/L	ND	500	500	473	481	95	96	75-125	2	7	
Sodium	ug/L	12400	10000	10000	21800	22200	94	98	75-125	2	12	
Thallium	ug/L	ND	1000	1000	962	982	96	98	75-125	2	6	
Zinc	ug/L	ND	1000	1000	992	1010	98	100	75-125	2	8	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7879 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 192611
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 192612

Parameter	Units	6023720002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	7890	8170	3	5	

SAMPLE DUPLICATE: 192613

Parameter	Units	6023720007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	8020	7990	.4	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7882 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 192621
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 192622

Parameter	Units	6024009001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	43.0	42.0	2	5	

SAMPLE DUPLICATE: 192623

Parameter	Units	6023778002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	10.0	10.0	0	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4789 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 192628
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 192629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 192630

Parameter	Units	6023797002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 192631

Parameter	Units	6023797003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4810 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 193543
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.2	104	90-110	

MATRIX SPIKE SAMPLE: 193545

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	5	5.9	115	90-110	M1

SAMPLE DUPLICATE: 193546

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: MERP/1964 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 193619
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193621 193622

Parameter	Units	6023728001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.7	98	96	75-125	2	19	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4819 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 194146
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 194147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.5	103	85-116	

MATRIX SPIKE SAMPLE: 194148

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	39.6	94	33-135	

SAMPLE DUPLICATE: 194149

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND	0	14	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4822 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 194423
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 194424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	105	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194425 194426

Parameter	Units	6024026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.5	5	5	29.4	29.3	39	37	57-123	4	6	M0
Sulfate	mg/L	82.2	25	25	103	107	85	98	60-133	3	12	

SAMPLE DUPLICATE: 194427

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	ND	ND	0	14	
Sulfate	mg/L	ND	ND	0	11	

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QUALIFIERS

Project: Ground Water Quality
Pace Project No.: 6023728

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6023728

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023728001	MW-2S	EPA 300.0	WETA/4752		
6023728002	FB-4	EPA 300.0	WETA/4752		
6023728003	EB-1	EPA 300.0	WETA/4752		
6023728001	MW-2S	SM 5210B	WET/7789	SM 5210B	WET/7800
6023728002	FB-4	SM 5210B	WET/7789	SM 5210B	WET/7800
6023728003	EB-1	SM 5210B	WET/7789	SM 5210B	WET/7800
6023728001	MW-2S	EPA 365.1	WETA/4759		
6023728002	FB-4	EPA 365.1	WETA/4759		
6023728003	EB-1	EPA 365.1	WETA/4759		
6023728001	MW-2S	EPA 110.2	WET/7801		
6023728002	FB-4	EPA 110.2	WET/7801		
6023728003	EB-1	EPA 110.2	WET/7801		
6023728001	MW-2S	EPA 365.4	WETA/4767		
6023728002	FB-4	EPA 365.4	WETA/4767		
6023728003	EB-1	EPA 365.4	WETA/4767		
6023728001	MW-2S	SM 2320B	WET/7838		
6023728002	FB-4	SM 2320B	WET/7838		
6023728003	EB-1	SM 2320B	WET/7838		
6023728001	MW-2S	SM 2340C	WET/7870		
6023728002	FB-4	SM 2340C	WET/7870		
6023728003	EB-1	SM 2340C	WET/7870		
6023728001	MW-2S	EPA 3010	MPRP/4243	EPA 6010	ICP/3769
6023728002	FB-4	EPA 3010	MPRP/4243	EPA 6010	ICP/3769
6023728003	EB-1	EPA 3010	MPRP/4243	EPA 6010	ICP/3769
6023728001	MW-2S	SM 2540C	WET/7879		
6023728002	FB-4	SM 2540C	WET/7879		
6023728003	EB-1	SM 2540C	WET/7879		
6023728001	MW-2S	SM 2540D	WET/7882		
6023728002	FB-4	SM 2540D	WET/7882		
6023728003	EB-1	SM 2540D	WET/7882		
6023728001	MW-2S	EPA 350.1	WETA/4789		
6023728002	FB-4	EPA 350.1	WETA/4789		
6023728003	EB-1	EPA 350.1	WETA/4789		
6023728001	MW-2S	EPA 351.2	WETA/4810		
6023728002	FB-4	EPA 351.2	WETA/4810		
6023728003	EB-1	EPA 351.2	WETA/4810		
6023728001	MW-2S	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023728002	FB-4	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023728003	EB-1	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023728001	MW-2S	EPA 410.4	WETA/4819		
6023728002	FB-4	EPA 410.4	WETA/4819		
6023728003	EB-1	EPA 410.4	WETA/4819		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6023728

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023728001	**MW-2S**	TKN-NH3 Calculation	WET/7929		
6023728002	**FB-4**	TKN-NH3 Calculation	WET/7929		
6023728003	**EB-1**	TKN-NH3 Calculation	WET/7929		
6023728001	**MW-2S**	EPA 300.0	WETA/4822		
6023728002	**FB-4**	EPA 300.0	WETA/4822		
6023728003	**EB-1**	EPA 300.0	WETA/4822		

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February 26, 2008

Re-issued results w/ Bicarbonate and CO_2

Robert Halden
Rizzo Environmental
105 Mall Boulevard, Suite 270E
Monroeville, PA 15146

RE: Project: Ground Water Quality
Pace Project No.: 6023728

Dear Robert Halden:
Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
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SAMPLE SUMMARY

Project: Ground Water Quality
Pace Project No.: 6023728

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6023728001	**MW-2S**	Water	06/05/07 11:35	06/06/07 10:30
6023728002	**FB-4**	Water	06/05/07 16:30	06/06/07 10:30
6023728003	**EB-1**	Water	06/05/07 16:45	06/06/07 10:30

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6023728

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6023728001	MW-2S	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	AJM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023728002	FB-4	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	AJM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023728003	EB-1	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6023728

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	AJM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: MW-2S **Lab ID: 6023728001** Collected: 06/05/07 11:35 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**2600**	ug/L	75.0	1	06/12/07 00:00	06/13/07 11:34	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:34	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:34	7440-38-2	
Barium	**474**	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:34	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 11:34	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:34	7440-43-9	
Calcium	**95700**	ug/L	100	1	06/12/07 00:00	06/13/07 11:34	7440-70-2	
Chromium	**5.0**	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:34	7440-47-3	
Iron	**4280**	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:34	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:34	7439-92-1	
Magnesium	**22000**	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:34	7439-95-4	
Manganese	**74.6**	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:34	7439-96-5	
Nickel	**6.0**	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:34	7440-02-0	
Potassium	**1100**	ug/L	500	1	06/12/07 00:00	06/13/07 11:34	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 11:34	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 11:34	7440-22-4	
Sodium	**58500**	ug/L	500	1	06/12/07 00:00	06/13/07 11:34	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/13/07 11:34	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:34	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:15	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**80.0**	units	5.0	5		06/07/07 09:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**333**	mg/L	**20.0**	**1**		06/07/07 19:40		
Alkalinity, Total	**333**	mg/L	20.0	1		06/07/07 19:40		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**316**	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**500**	mg/L	5.0	1		06/12/07 13:49		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**133**	mg/L	5.0	1		06/12/07 09:28		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.1**	Std. Units	0.10	1		06/06/07 15:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/06/07 17:00	06/11/07 10:41		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: MW-2S **Lab ID: 6023728001** Collected: 06/05/07 11:35 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**13.7**	mg/L	1.0	1		06/06/07 19:29	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/06/07 19:29	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**23.9**	mg/L	1.0	1		06/06/07 19:29	16887-00-6	
Sulfate	**23.6**	mg/L	1.0	1		06/06/07 19:29	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/12/07 13:20	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**ND**	**mg/L**	**0.20**	1		06/14/07 13:40	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 11:52		H1
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:04	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	**343**	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: FB-4 **Lab ID: 6023728002** Collected: 06/05/07 16:30 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/12/07 00:00	06/13/07 11:49	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:49	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:49	7440-38-2	
Barium	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:49	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 11:49	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:49	7440-43-9	
Calcium	**176**	ug/L	100	1	06/12/07 00:00	06/13/07 11:49	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:49	7440-47-3	
Iron	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:49	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:49	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:49	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:49	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:49	7440-02-0	
Potassium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 11:49	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 11:49	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 11:49	7440-22-4	
Sodium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 11:49	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/13/07 11:49	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:49	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:19	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/07/07 09:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	20.0	1		06/07/07 19:55		
Alkalinity, Total	ND	mg/L	20.0	1		06/07/07 19:55		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/12/07 13:49		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/12/07 09:29		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**5.8**	Std. Units	0.10	1		06/06/07 15:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/06/07 17:09	06/11/07 10:54		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: FB-4 **Lab ID: 6023728002** Collected: 06/05/07 16:30 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/06/07 19:54	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/06/07 19:54	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/06/07 19:54	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/06/07 19:54	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/12/07 13:21	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:44	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 11:54		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:09	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	ND	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: EB-1 **Lab ID: 6023728003** Collected: 06/05/07 16:45 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/12/07 00:00	06/13/07 11:54	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:54	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:54	7440-38-2	
Barium	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 11:54	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 11:54	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:54	7440-43-9	
Calcium	ND	ug/L	100	1	06/12/07 00:00	06/13/07 11:54	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:54	7440-47-3	
Iron	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:54	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:54	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:54	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:54	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 11:54	7440-02-0	
Potassium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 11:54	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 11:54	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 11:54	7440-22-4	
Sodium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 11:54	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/13/07 11:54	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 11:54	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:20	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/07/07 09:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	20.0	1		06/07/07 19:57		
Alkalinity, Total	ND	mg/L	20.0	1		06/07/07 19:57		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/12/07 13:49		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/12/07 09:29		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**6.0**	Std. Units	0.10	1		06/06/07 15:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/06/07 17:12	06/11/07 10:57		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023728

Sample: EB-1 **Lab ID: 6023728003** Collected: 06/05/07 16:45 Received: 06/06/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/06/07 20:32	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/06/07 20:32	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/06/07 20:32	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/06/07 20:32	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/12/07 13:22	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:46	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 11:57		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:12	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	ND	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4752 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 190227
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 190228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.2	103	90-110	
Nitrite as N	mg/L	5	5.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 190229 190230

Parameter	Units	6023719001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	5.1	5.1	100	101	61-128	1	7	
Nitrite as N	mg/L	ND	5	5	5.0	5.1	100	103	73-144	3	5	

SAMPLE DUPLICATE: 190231

Parameter	Units	6023719002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	ND	.094J	5	11	
Nitrite as N	mg/L	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7789 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 190252
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 190253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	217	110	85-115	

SAMPLE DUPLICATE: 190254

Parameter	Units	6023696001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	2040	2170	6	22	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4759 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 190402
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 190403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.8	92	90-110	

MATRIX SPIKE SAMPLE: 190404

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 190405

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7801 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 190571
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 190572

Parameter	Units	6023728001 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	80.0	80.0	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4767 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 190887
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 190888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 190889

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.2	103	58-132	

SAMPLE DUPLICATE: 190890

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND	143	12	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7838 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 191355
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 191356

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	470	94	90-110	

SAMPLE DUPLICATE: 191357

Parameter	Units	6023720003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	733	737	1	6	
Alkalinity,Bicarbonate (CaCO3)	mg/L	733	737	1	6	

SAMPLE DUPLICATE: 191358

Parameter	Units	6023728003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	ND	ND	25	6	R3
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	ND	25	6	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7870 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6023728001, 6023728002, 6023728003

SAMPLE DUPLICATE: 192415

Parameter	Units	6023728001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	316	319	1	5	

SAMPLE DUPLICATE: 192416

Parameter	Units	6023873009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	681	690	1	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: MPRP/4243 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 192562
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Antimony	ug/L	ND	10.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Iron	ug/L	ND	50.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 192563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9460	95	80-120	
Antimony	ug/L	1000	973	97	80-120	
Arsenic	ug/L	1000	1020	102	80-120	
Barium	ug/L	1000	946	95	80-120	
Beryllium	ug/L	1000	972	97	80-120	
Cadmium	ug/L	1000	1000	100	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Chromium	ug/L	1000	976	98	80-120	
Iron	ug/L	10000	10200	102	80-120	
Lead	ug/L	1000	989	99	80-120	
Magnesium	ug/L	10000	9750	97	80-120	
Manganese	ug/L	1000	988	99	80-120	
Nickel	ug/L	1000	984	98	80-120	
Potassium	ug/L	10000	9510	95	80-120	
Selenium	ug/L	1000	988	99	80-120	
Silver	ug/L	500	469	94	80-120	
Sodium	ug/L	10000	8940	89	80-120	
Thallium	ug/L	1000	959	96	80-120	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

LABORATORY CONTROL SAMPLE: 192563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	1000	991	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 192564 192565

Parameter	Units	6023800001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	576	10000	10000	10500	10600	99	101	75-125	2	10	
Antimony	ug/L	ND	1000	1000	983	1000	98	100	75-125	2	8	
Arsenic	ug/L	ND	1000	1000	1030	1040	103	104	75-125	1	9	
Barium	ug/L	70.7	1000	1000	1020	1040	95	97	75-125	2	7	
Beryllium	ug/L	ND	1000	1000	977	995	98	100	75-125	2	5	
Cadmium	ug/L	ND	1000	1000	994	1020	100	102	75-125	2	7	
Calcium	ug/L	47400	10000	10000	55800	57100	84	98	75-125	2	8	
Chromium	ug/L	ND	1000	1000	977	993	98	99	75-125	2	7	
Iron	ug/L	676	10000	10000	11000	11200	103	105	75-125	2	12	
Lead	ug/L	ND	1000	1000	982	1010	98	101	75-125	3	8	
Magnesium	ug/L	14400	10000	10000	23700	24200	94	99	75-125	2	7	
Manganese	ug/L	112	1000	1000	1100	1120	99	101	75-125	2	9	
Nickel	ug/L	ND	1000	1000	984	1000	98	100	75-125	2	7	
Potassium	ug/L	3260	10000	10000	13000	13200	97	99	75-125	2	7	
Selenium	ug/L	ND	1000	1000	984	1010	98	101	75-125	3	7	
Silver	ug/L	ND	500	500	473	481	95	96	75-125	2	7	
Sodium	ug/L	12400	10000	10000	21800	22200	94	98	75-125	2	12	
Thallium	ug/L	ND	1000	1000	962	982	96	98	75-125	2	6	
Zinc	ug/L	ND	1000	1000	992	1010	98	100	75-125	2	8	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7879 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 192611
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 192612

Parameter	Units	6023720002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	7890	8170	3	5	

SAMPLE DUPLICATE: 192613

Parameter	Units	6023720007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	8020	7990	0	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WET/7882 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 192621
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 192622

Parameter	Units	6024009001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	43.0	42.0	2	5	

SAMPLE DUPLICATE: 192623

Parameter	Units	6023778002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	10.0	10.0	0	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4789 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 192628
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 192629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 192630

Parameter	Units	6023797002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 192631

Parameter	Units	6023797003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4810 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 193543
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.2	104	90-110	

MATRIX SPIKE SAMPLE: 193545

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	5	5.9	115	90-110	M1

SAMPLE DUPLICATE: 193546

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: MERP/1964 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 193619
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193621 193622

Parameter	Units	6023728001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.7	98	96	75-125	2	19	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4819 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 194146
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 194147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.5	103	85-116	

MATRIX SPIKE SAMPLE: 194148

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	39.6	94	33-135	

SAMPLE DUPLICATE: 194149

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND		14	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023728

QC Batch: WETA/4822 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023728001, 6023728002, 6023728003

METHOD BLANK: 194423
Associated Lab Samples: 6023728001, 6023728002, 6023728003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 194424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	105	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194425 194426

Parameter	Units	6024026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.5	5	5	29.4	29.3	39	37	57-123	0	6	M0
Sulfate	mg/L	82.2	25	25	103	107	85	98	60-133	3	12	

SAMPLE DUPLICATE: 194427

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	ND	ND	0	14	
Sulfate	mg/L	ND	ND	0	11	

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QUALIFIERS

Project: Ground Water Quality
Pace Project No.: 6023728

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6023728

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023728001	MW-2S	EPA 300.0	WETA/4752		
6023728002	FB-4	EPA 300.0	WETA/4752		
6023728003	EB-1	EPA 300.0	WETA/4752		
6023728001	MW-2S	SM 5210B	WET/7789	SM 5210B	WET/7800
6023728002	FB-4	SM 5210B	WET/7789	SM 5210B	WET/7800
6023728003	EB-1	SM 5210B	WET/7789	SM 5210B	WET/7800
6023728001	MW-2S	EPA 365.1	WETA/4759		
6023728002	FB-4	EPA 365.1	WETA/4759		
6023728003	EB-1	EPA 365.1	WETA/4759		
6023728001	MW-2S	EPA 110.2	WET/7801		
6023728002	FB-4	EPA 110.2	WET/7801		
6023728003	EB-1	EPA 110.2	WET/7801		
6023728001	MW-2S	EPA 365.4	WETA/4767		
6023728002	FB-4	EPA 365.4	WETA/4767		
6023728003	EB-1	EPA 365.4	WETA/4767		
6023728001	MW-2S	SM 2320B	WET/7838		
6023728002	FB-4	SM 2320B	WET/7838		
6023728003	EB-1	SM 2320B	WET/7838		
6023728001	MW-2S	SM 2340C	WET/7870		
6023728002	FB-4	SM 2340C	WET/7870		
6023728003	EB-1	SM 2340C	WET/7870		
6023728001	MW-2S	EPA 3010	MPRP/4243	EPA 6010	ICP/3769
6023728002	FB-4	EPA 3010	MPRP/4243	EPA 6010	ICP/3769
6023728003	EB-1	EPA 3010	MPRP/4243	EPA 6010	ICP/3769
6023728001	MW-2S	SM 2540C	WET/7879		
6023728002	FB-4	SM 2540C	WET/7879		
6023728003	EB-1	SM 2540C	WET/7879		
6023728001	MW-2S	SM 2540D	WET/7882		
6023728002	FB-4	SM 2540D	WET/7882		
6023728003	EB-1	SM 2540D	WET/7882		
6023728001	MW-2S	EPA 350.1	WETA/4789		
6023728002	FB-4	EPA 350.1	WETA/4789		
6023728003	EB-1	EPA 350.1	WETA/4789		
6023728001	MW-2S	EPA 351.2	WETA/4810		
6023728002	FB-4	EPA 351.2	WETA/4810		
6023728003	EB-1	EPA 351.2	WETA/4810		
6023728001	MW-2S	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023728002	FB-4	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023728003	EB-1	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023728001	MW-2S	EPA 410.4	WETA/4819		
6023728002	FB-4	EPA 410.4	WETA/4819		
6023728003	EB-1	EPA 410.4	WETA/4819		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6023728

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023728001	MW-2S	TKN-NH3 Calculation	WET/7929		
6023728002	FB-4	TKN-NH3 Calculation	WET/7929		
6023728003	EB-1	TKN-NH3 Calculation	WET/7929		
6023728001	MW-2S	EPA 300.0	WETA/4822		
6023728002	FB-4	EPA 300.0	WETA/4822		
6023728003	EB-1	EPA 300.0	WETA/4822		
6023728001	MW-2S	SM 4500-H+B	WET/11230		
6023728002	FB-4	SM 4500-H+B	WET/11230		
6023728003	EB-1	SM 4500-H+B	WET/11230		
6023728001	MW-2S	SM 4500-CO2 D	WETA/6364		
6023728002	FB-4	SM 4500-CO2 D	WETA/6364		
6023728003	EB-1	SM 4500-CO2 D	WETA/6364		

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February 26, 2008

re issued w Bicarbonate + CO_2 Results

Robert Halden
Rizzo Environmental
105 Mall Boulevard, Suite 270E
Monroeville, PA 15146

RE: Project: Ground Water Quality
Pace Project No.: 6023797

Dear Robert Halden:
Enclosed are the analytical results for sample(s) received by the laboratory on June 07, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

Enclosures

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SAMPLE SUMMARY

Project: Ground Water Quality
Pace Project No.: 6023797

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6023797001	MW-1D	Water	06/06/07 13:15	06/07/07 09:50
6023797002	FB-5	Water	06/06/07 15:50	06/07/07 09:50
6023797003	MW-5S	Water	06/06/07 16:35	06/07/07 09:50

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6023797

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6023797001	MW-1D	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	AJM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023797002	FB-5	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	AJM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1
6023797003	MW-5S	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	ACM	1

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6023797

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KMW	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	AJM	1
		SM 5210B	AJM	1
		TKN-NH3 Calculation	ACM	1

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: MW-1D **Lab ID: 6023797001** Collected: 06/06/07 13:15 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**75.8**	ug/L	75.0	1	06/07/07 00:00	06/12/07 12:09	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:09	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:09	7440-38-2	
Barium	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:09	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/07/07 00:00	06/12/07 12:09	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:09	7440-43-9	
Calcium	**54400**	ug/L	100	1	06/07/07 00:00	06/12/07 12:09	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:09	7440-47-3	
Iron	**196**	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:09	7439-89-6	
Lead	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:09	7439-92-1	
Magnesium	**57400**	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:09	7439-95-4	
Manganese	**8.2**	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:09	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:09	7440-02-0	
Potassium	**9080**	ug/L	500	1	06/07/07 00:00	06/12/07 12:09	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/07/07 00:00	06/12/07 12:09	7782-49-2	
Silver	ND	ug/L	7.0	1	06/07/07 00:00	06/12/07 12:09	7440-22-4	
Sodium	**31500**	ug/L	500	1	06/07/07 00:00	06/12/07 12:09	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/07/07 00:00	06/12/07 12:09	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:09	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:22	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**2.0**	units	1.0	1		06/07/07 17:45		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**385**	mg/L	**20.0**	**1**		06/07/07 20:06		
Alkalinity, Total	**385**	mg/L	20.0	1		06/07/07 20:06		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**347**	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**384**	mg/L	5.0	1		06/13/07 16:37		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**12.0**	mg/L	5.0	1		06/12/07 15:19		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		06/08/07 09:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/08/07 10:11	06/13/07 08:50		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: MW-1D **Lab ID: 6023797001** Collected: 06/06/07 13:15 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/08/07 08:23	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/08/07 08:23	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**5.3**	mg/L	1.0	1		06/08/07 08:23	16887-00-6	
Sulfate	**22.3**	mg/L	1.0	1		06/08/07 08:23	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.11**	mg/L	0.10	1		06/12/07 13:31	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.27**	**mg/L**	0.20	1		06/14/07 13:49	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 11:58		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:18	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	**379**	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: FB-5 **Lab ID: 6023797002** Collected: 06/06/07 15:50 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/07/07 00:00	06/12/07 12:14	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:14	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:14	7440-38-2	
Barium	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:14	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/07/07 00:00	06/12/07 12:14	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:14	7440-43-9	
Calcium	ND	ug/L	100	1	06/07/07 00:00	06/12/07 12:14	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:14	7440-47-3	
Iron	ND	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:14	7439-89-6	
Lead	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:14	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:14	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:14	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:14	7440-02-0	
Potassium	ND	ug/L	500	1	06/07/07 00:00	06/12/07 12:14	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/07/07 00:00	06/12/07 12:14	7782-49-2	
Silver	ND	ug/L	7.0	1	06/07/07 00:00	06/12/07 12:14	7440-22-4	
Sodium	ND	ug/L	500	1	06/07/07 00:00	06/12/07 12:14	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/07/07 00:00	06/12/07 12:14	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:14	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:23	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/07/07 17:45		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	20.0	1		06/07/07 20:09		
Alkalinity, Total	ND	mg/L	20.0	1		06/07/07 20:09		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/13/07 16:38		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/12/07 15:20		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**6.2**	Std. Units	0.10	1		06/08/07 09:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/08/07 10:24	06/13/07 09:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: FB-5 **Lab ID: 6023797002** Collected: 06/06/07 15:50 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/08/07 08:35	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/08/07 08:35	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/08/07 08:35	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/08/07 08:35	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/12/07 13:32	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:49	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 12:01		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:19	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	ND	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: MW-5S **Lab ID: 6023797003** Collected: 06/06/07 16:35 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**606**	ug/L	75.0	1	06/07/07 00:00	06/12/07 12:19	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:19	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:19	7440-38-2	
Barium	**112**	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:19	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/07/07 00:00	06/12/07 12:19	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:19	7440-43-9	
Calcium	**101000**	ug/L	100	1	06/07/07 00:00	06/12/07 12:19	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:19	7440-47-3	
Iron	**2050**	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:19	7439-89-6	
Lead	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:19	7439-92-1	
Magnesium	**132000**	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:19	7439-95-4	
Manganese	**38.5**	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:19	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:19	7440-02-0	
Potassium	**4890**	ug/L	500	1	06/07/07 00:00	06/12/07 12:19	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/07/07 00:00	06/12/07 12:19	7782-49-2	
Silver	ND	ug/L	7.0	1	06/07/07 00:00	06/12/07 12:19	7440-22-4	
Sodium	**69000**	ug/L	500	1	06/07/07 00:00	06/12/07 12:19	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/07/07 00:00	06/12/07 12:19	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:19	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:25	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**85.0**	units	5.0	5		06/07/07 17:45		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**531**	mg/L	20.0	1		06/07/07 20:17		
Alkalinity, Total	**531**	mg/L	20.0	1		06/07/07 20:17		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**802**	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**910**	mg/L	5.0	1		06/13/07 16:38		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**72.0**	mg/L	5.0	1		06/12/07 15:21		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.4**	Std. Units	0.10	1		06/08/07 09:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/08/07 10:27	06/13/07 09:05		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: MW-5S **Lab ID: 6023797003** Collected: 06/06/07 16:35 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**59.2**	mg/L	1.0	1		06/08/07 08:48	14797-55-8	1e
Nitrite as N	ND	mg/L	1.0	1		06/08/07 08:48	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**119**	mg/L	5.0	5		06/16/07 00:59	16887-00-6	
Sulfate	**28.7**	mg/L	1.0	1		06/08/07 08:48	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/12/07 13:34	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**ND**	mg/L	0.20	1		06/14/07 13:51	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 12:02		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:20	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	**510**	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4759 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 190402
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 190403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.8	92	90-110	

MATRIX SPIKE SAMPLE: 190404

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 190405

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7801 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 190571
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 190572

Parameter	Units	6023728001 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	80.0	80.0	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4762 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 190587
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 190588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.3	106	90-110	
Nitrite as N	mg/L	5	5.2	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 190589 190590

Parameter	Units	6023778002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	20.7	5	5	26.2	26.2	111	111	61-128	0	7	
Nitrite as N	mg/L	ND	5	5	5.0	5.1	101	101	73-144	1	5	

SAMPLE DUPLICATE: 190591

Parameter	Units	6023747001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	1.2	1.1	1	11	
Nitrite as N	mg/L	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4767 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 190887
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 190888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 190889

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.2	103	58-132	

SAMPLE DUPLICATE: 190890

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND	143	12	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: MPRP/4227 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 191031
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Antimony	ug/L	ND	10.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Iron	ug/L	ND	50.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 191032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9020	90	80-120	
Antimony	ug/L	1000	913	91	80-120	
Arsenic	ug/L	1000	1000	100	80-120	
Barium	ug/L	1000	984	98	80-120	
Beryllium	ug/L	1000	1000	100	80-120	
Cadmium	ug/L	1000	1010	101	80-120	
Calcium	ug/L	10000	9560	96	80-120	
Chromium	ug/L	1000	991	99	80-120	
Iron	ug/L	10000	9560	96	80-120	
Lead	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	9210	92	80-120	
Manganese	ug/L	1000	997	100	80-120	
Nickel	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9000	90	80-120	
Selenium	ug/L	1000	989	99	80-120	
Silver	ug/L	500	447	89	80-120	
Sodium	ug/L	10000	8460	85	80-120	
Thallium	ug/L	1000	999	100	80-120	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

LABORATORY CONTROL SAMPLE: 191032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	1000	1020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 191033 191034

Parameter	Units	6023596002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	3910	10000	10000	14400	14400	105	104	75-125	1	10	
Antimony	ug/L	ND	1000	1000	896	882	90	88	75-125	2	8	
Arsenic	ug/L	ND	1000	1000	985	951	99	95	75-125	4	9	
Barium	ug/L	73.8	1000	1000	1030	997	96	92	75-125	3	7	
Beryllium	ug/L	ND	1000	1000	941	904	94	90	75-125	4	5	
Cadmium	ug/L	ND	1000	1000	935	900	94	90	75-125	4	7	
Calcium	ug/L	623000	10000	10000	655000	626000	319	29	75-125	5	8	M0
Chromium	ug/L	9.4	1000	1000	932	897	92	89	75-125	4	7	
Iron	ug/L	3540	10000	10000	12800	12700	92	91	75-125	1	12	
Lead	ug/L	ND	1000	1000	947	908	94	91	75-125	4	8	
Magnesium	ug/L	47400	10000	10000	55700	54800	83	74	75-125	2	7	
Manganese	ug/L	443	1000	1000	1380	1340	94	90	75-125	3	9	
Nickel	ug/L	10.6	1000	1000	927	889	92	88	75-125	4	7	
Potassium	ug/L	1480	10000	10000	11300	11100	98	96	75-125	2	7	
Selenium	ug/L	ND	1000	1000	970	929	97	93	75-125	4	7	
Silver	ug/L	ND	500	500	448	444	90	89	75-125	1	7	
Sodium	ug/L	116000	10000	10000	125000	124000	96	81	75-125	1	12	
Thallium	ug/L	ND	1000	1000	948	914	95	92	75-125	4	6	
Zinc	ug/L	ND	1000	1000	932	895	91	88	75-125	4	8	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7826 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 191204
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 191205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	221	111	85-115	

SAMPLE DUPLICATE: 191206

Parameter	Units	6023843001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	1660	1630	2	22	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7838 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 191355
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 191356

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	470	94	90-110	

SAMPLE DUPLICATE: 191357

Parameter	Units	6023720003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	733	737	1	6	
Alkalinity,Bicarbonate (CaCO3)	mg/L	733	737	1	6	

SAMPLE DUPLICATE: 191358

Parameter	Units	6023728003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	ND	ND	25	6	R3
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	ND	25	6	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7870 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6023797001, 6023797002, 6023797003

SAMPLE DUPLICATE: 192415

Parameter	Units	6023728001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	316	319	1	5	

SAMPLE DUPLICATE: 192416

Parameter	Units	6023873009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	681	690	1	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4789 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 192628
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 192629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 192630

Parameter	Units	6023797002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 192631

Parameter	Units	6023797003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7887 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 192693
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 192694

Parameter	Units	6023680001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND	0	5	

SAMPLE DUPLICATE: 192695

Parameter	Units	6023751001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	2010	2000	0	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7909 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 193362
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 193363

Parameter	Units	6023873001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2350	2350	0	5	

SAMPLE DUPLICATE: 193364

Parameter	Units	6023873006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1400	1390	1	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4810 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 193543
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.2	104	90-110	

MATRIX SPIKE SAMPLE: 193545

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	5	5.9	115	90-110	M1

SAMPLE DUPLICATE: 193546

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: MERP/1964 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 193619
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193621 193622

Parameter	Units	6023728001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.7	98	96	75-125	2	19	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4819 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 194146
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 194147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.5	103	85-116	

MATRIX SPIKE SAMPLE: 194148

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	39.6	94	33-135	

SAMPLE DUPLICATE: 194149

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND		14	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4822 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 194423
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 194424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	105	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194425 194426

Parameter	Units	6024026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.5	5	5	29.4	29.3	39	37	57-123	0	6	M0
Sulfate	mg/L	82.2	25	25	103	107	85	98	60-133	3	12	

SAMPLE DUPLICATE: 194427

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	ND	ND	0	14	
Sulfate	mg/L	ND	ND	0	11	

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QUALIFIERS

Project: Ground Water Quality
Pace Project No.: 6023797

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

1e	Result posted for Nitrate was above the current IC calibration curve for that analyte. The sample was therefore analyzed at a 10X dilution, outside of the EPA recommended hold time, for a verification result of 44.9 mg/L of Nitrate.
H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6023797

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023797001	MW-1D	EPA 365.1	WETA/4759		
6023797002	FB-5	EPA 365.1	WETA/4759		
6023797003	MW-5S	EPA 365.1	WETA/4759		
6023797001	MW-1D	EPA 110.2	WET/7801		
6023797002	FB-5	EPA 110.2	WET/7801		
6023797003	MW-5S	EPA 110.2	WET/7801		
6023797001	MW-1D	EPA 300.0	WETA/4762		
6023797002	FB-5	EPA 300.0	WETA/4762		
6023797003	MW-5S	EPA 300.0	WETA/4762		
6023797001	MW-1D	EPA 365.4	WETA/4767		
6023797002	FB-5	EPA 365.4	WETA/4767		
6023797003	MW-5S	EPA 365.4	WETA/4767		
6023797001	MW-1D	EPA 3010	MPRP/4227	EPA 6010	ICP/3753
6023797002	FB-5	EPA 3010	MPRP/4227	EPA 6010	ICP/3753
6023797003	MW-5S	EPA 3010	MPRP/4227	EPA 6010	ICP/3753
6023797001	MW-1D	SM 5210B	WET/7826	SM 5210B	WET/7841
6023797002	FB-5	SM 5210B	WET/7826	SM 5210B	WET/7841
6023797003	MW-5S	SM 5210B	WET/7826	SM 5210B	WET/7841
6023797001	MW-1D	SM 2320B	WET/7838		
6023797002	FB-5	SM 2320B	WET/7838		
6023797003	MW-5S	SM 2320B	WET/7838		
6023797001	MW-1D	SM 2340C	WET/7870		
6023797002	FB-5	SM 2340C	WET/7870		
6023797003	MW-5S	SM 2340C	WET/7870		
6023797001	MW-1D	EPA 350.1	WETA/4789		
6023797002	FB-5	EPA 350.1	WETA/4789		
6023797003	MW-5S	EPA 350.1	WETA/4789		
6023797001	MW-1D	SM 2540D	WET/7887		
6023797002	FB-5	SM 2540D	WET/7887		
6023797003	MW-5S	SM 2540D	WET/7887		
6023797001	MW-1D	SM 2540C	WET/7909		
6023797002	FB-5	SM 2540C	WET/7909		
6023797003	MW-5S	SM 2540C	WET/7909		
6023797001	MW-1D	EPA 351.2	WETA/4810		
6023797002	FB-5	EPA 351.2	WETA/4810		
6023797003	MW-5S	EPA 351.2	WETA/4810		
6023797001	MW-1D	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023797002	FB-5	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023797003	MW-5S	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023797001	MW-1D	EPA 410.4	WETA/4819		
6023797002	FB-5	EPA 410.4	WETA/4819		
6023797003	MW-5S	EPA 410.4	WETA/4819		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6023797

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023797001	**MW-1D**	TKN-NH3 Calculation	WET/7930		
6023797002	**FB-5**	TKN-NH3 Calculation	WET/7930		
6023797003	**MW-5S**	TKN-NH3 Calculation	WET/7930		
6023797001	**MW-1D**	EPA 300.0	WETA/4822		
6023797002	**FB-5**	EPA 300.0	WETA/4822		
6023797003	**MW-5S**	EPA 300.0	WETA/4822		
6023797001	**MW-1D**	SM 4500-H+B	WET/11230		
6023797002	**FB-5**	SM 4500-H+B	WET/11230		
6023797003	**MW-5S**	SM 4500-H+B	WET/11230		
6023797001	**MW-1D**	SM 4500-CO2 D	WETA/6364		
6023797002	**FB-5**	SM 4500-CO2 D	WETA/6364		
6023797003	**MW-5S**	SM 4500-CO2 D	WETA/6364		

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July 06, 2007

Dan Carey
Paul C Rizzo Associates
2055 Craigshire Rd, Suite 350
Saint Louis, MO 63146

RE: Project: Ground Water Quality
Pace Project No.: 6024026

Dear Dan Carey:
Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
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SAMPLE SUMMARY

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6024026001	**MO027390**	Water	06/11/07 13:20	06/12/07 08:50
6024026002	**FB-6**	Water	06/11/07 15:05	06/12/07 08:50
6024026003	**MW-12**	Water	06/11/07 15:45	06/12/07 08:50
6024026004	**GW-D**	Water	06/11/07 16:10	06/12/07 08:50
6024026005	**EB-2**	Water	06/11/07 18:25	06/12/07 08:50

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	Method	Analytes Reported
6024026001	MO027390	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6024026002	FB-6	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6024026003	MW-12	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	Method	Analytes Reported
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6024026004	GW-D	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6024026005	EB-2	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	Method	Analytes Reported
		TKN-NH3 Calculation	1

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: MO027390 **Lab ID: 6024026001** Collected: 06/11/07 13:20 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/12/07 00:00	06/13/07 17:59	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 17:59	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/14/07 13:59	7440-38-2	
Barium	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 17:59	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 17:59	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 17:59	7440-43-9	
Calcium	**63900**	ug/L	100	1	06/12/07 00:00	06/13/07 17:59	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 17:59	7440-47-3	
Iron	**469**	ug/L	50.0	1	06/12/07 00:00	06/13/07 17:59	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 17:59	7439-92-1	
Magnesium	**31000**	ug/L	50.0	1	06/12/07 00:00	06/13/07 17:59	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 17:59	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 17:59	7440-02-0	
Potassium	**10600**	ug/L	500	1	06/12/07 00:00	06/13/07 17:59	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 17:59	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 17:59	7440-22-4	
Sodium	**62700**	ug/L	500	1	06/12/07 00:00	06/13/07 17:59	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/14/07 13:59	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 17:59	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/15/07 00:00	06/18/07 14:20	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**1.0**	units	1.0	1		06/12/07 13:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**314**	mg/L	20.0	1		06/18/07 17:21		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**311**	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**502**	mg/L	5.0	1		06/14/07 17:44		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/15/07 17:41		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 11:00	06/18/07 09:02		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: MO027390 **Lab ID: 6024026001** Collected: 06/11/07 13:20 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/12/07 18:37	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/12/07 18:37	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**27.5**	mg/L	1.0	1		06/12/07 18:37	16887-00-6	
Sulfate	**82.2**	mg/L	5.0	5		06/16/07 01:12	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.50**	mg/L	0.10	1		06/19/07 10:38	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.50**	mg/L	0.20	1		06/14/07 15:33	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/12/07 15:51		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:40	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: FB-6 **Lab ID: 6024026002** Collected: 06/11/07 15:05 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/12/07 00:00	06/13/07 18:03	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:03	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/14/07 14:03	7440-38-2	
Barium	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:03	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 18:03	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:03	7440-43-9	
Calcium	ND	ug/L	100	1	06/12/07 00:00	06/13/07 18:03	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:03	7440-47-3	
Iron	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:03	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:03	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:03	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:03	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:03	7440-02-0	
Potassium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 18:03	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 18:03	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 18:03	7440-22-4	
Sodium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 18:03	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/14/07 14:03	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:03	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/15/07 00:00	06/18/07 14:22	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/12/07 13:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/18/07 17:30		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/14/07 17:44		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/15/07 17:41		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 11:00	06/18/07 09:07		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: FB-6 **Lab ID: 6024026002** Collected: 06/11/07 15:05 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/12/07 19:41	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/12/07 19:41	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/12/07 19:41	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/12/07 19:41	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 10:39	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:18	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/12/07 15:53		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:45	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: MW-12 **Lab ID: 6024026003** Collected: 06/11/07 15:45 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**3990**	ug/L	75.0	1	06/12/07 00:00	06/13/07 18:08	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:08	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/14/07 14:07	7440-38-2	
Barium	**88.0**	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:08	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 18:08	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:08	7440-43-9	
Calcium	**77900**	ug/L	100	1	06/12/07 00:00	06/13/07 18:08	7440-70-2	
Chromium	**11.5**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:08	7440-47-3	
Iron	**3450**	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:08	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:08	7439-92-1	
Magnesium	**30400**	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:08	7439-95-4	
Manganese	**57.4**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:08	7439-96-5	
Nickel	**7.5**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:08	7440-02-0	
Potassium	**2350**	ug/L	500	1	06/12/07 00:00	06/13/07 18:08	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 18:08	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 18:08	7440-22-4	
Sodium	**95800**	ug/L	500	1	06/12/07 00:00	06/13/07 18:08	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/14/07 14:07	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:08	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/15/07 00:00	06/18/07 14:23	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**125**	units	5.0	5		06/12/07 13:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**429**	mg/L	20.0	1		06/18/07 17:36		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**342**	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**584**	mg/L	5.0	1		06/14/07 17:45		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**456**	mg/L	5.0	1		06/15/07 17:43		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 11:00	06/18/07 09:07		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: MW-12 **Lab ID: 6024026003** Collected: 06/11/07 15:45 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**1.4**	mg/L	1.0	1		06/12/07 20:06	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/12/07 20:06	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**19.9**	mg/L	1.0	1		06/12/07 20:06	16887-00-6	
Sulfate	**75.3**	mg/L	2.0	2		06/16/07 01:50	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 10:40	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:18	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/12/07 15:54		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:47	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: GW-D **Lab ID: 6024026004** Collected: 06/11/07 16:10 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**4990**	ug/L	75.0	1	06/12/07 00:00	06/13/07 18:20	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:20	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/14/07 14:12	7440-38-2	
Barium	**96.9**	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:20	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 18:20	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:20	7440-43-9	
Calcium	**80200**	ug/L	100	1	06/12/07 00:00	06/13/07 18:20	7440-70-2	
Chromium	**14.6**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:20	7440-47-3	
Iron	**4840**	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:20	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:20	7439-92-1	
Magnesium	**32300**	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:20	7439-95-4	
Manganese	**87.0**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:20	7439-96-5	
Nickel	**10.6**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:20	7440-02-0	
Potassium	**2870**	ug/L	500	1	06/12/07 00:00	06/13/07 18:20	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 18:20	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 18:20	7440-22-4	
Sodium	**102000**	ug/L	500	1	06/12/07 00:00	06/13/07 18:20	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/14/07 14:12	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:20	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/15/07 00:00	06/18/07 14:24	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**115**	units	5.0	5		06/12/07 13:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**433**	mg/L	20.0	1		06/18/07 17:56		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**344**	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**586**	mg/L	5.0	1		06/14/07 17:45		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**342**	mg/L	5.0	1		06/15/07 17:43		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 11:00	06/18/07 09:09		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: GW-D **Lab ID: 6024026004** Collected: 06/11/07 16:10 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**1.4**	mg/L	1.0	1		06/12/07 20:19	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/12/07 20:19	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**20.0**	mg/L	1.0	1		06/12/07 20:19	16887-00-6	
Sulfate	**72.9**	mg/L	2.0	2		06/16/07 02:28	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 10:41	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 15:34	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/12/07 15:57		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:48	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: EB-2 **Lab ID: 6024026005** Collected: 06/11/07 18:25 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/12/07 00:00	06/13/07 18:24	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:24	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/14/07 14:16	7440-38-2	
Barium	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:24	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 18:24	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:24	7440-43-9	
Calcium	ND	ug/L	100	1	06/12/07 00:00	06/13/07 18:24	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:24	7440-47-3	
Iron	**221**	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:24	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:24	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:24	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:24	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:24	7440-02-0	
Potassium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 18:24	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 18:24	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 18:24	7440-22-4	
Sodium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 18:24	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/14/07 14:16	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:24	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/15/07 00:00	06/18/07 14:26	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**1.0**	units	1.0	1		06/12/07 13:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/18/07 17:59		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**6.0**	mg/L	5.0	1		06/14/07 17:46		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/15/07 17:44		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 11:00	06/18/07 09:09		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: EB-2 **Lab ID: 6024026005** Collected: 06/11/07 18:25 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/12/07 20:31	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/12/07 20:31	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/12/07 20:31	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/12/07 20:31	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 10:42	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:20	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/12/07 16:00		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:50	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7891 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 192730
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 192731

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4794 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 192790
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 192791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	2.0	98	90-110	

MATRIX SPIKE SAMPLE: 192792

Parameter	Units	6024026001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	ND	2	1.8	91	90-110	

SAMPLE DUPLICATE: 192793

Parameter	Units	6024026003 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	.082J	80	20	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4795 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 192809
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 192810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.9	98	90-110	
Nitrite as N	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 192811 192812

Parameter	Units	6024026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	4.5	4.5	89	90	61-128	.6	7	
Nitrite as N	mg/L	ND	5	5	5.4	5.4	109	108	73-144	.9	5	

SAMPLE DUPLICATE: 192813

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	ND	ND	0	11	
Nitrite as N	mg/L	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: MPRP/4248 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 192904
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Antimony	ug/L	ND	10.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Iron	ug/L	ND	50.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 192905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9530	95	80-120	
Antimony	ug/L	1000	1000	100	80-120	
Arsenic	ug/L	1000	1030	103	80-120	
Barium	ug/L	1000	975	98	80-120	
Beryllium	ug/L	1000	976	98	80-120	
Cadmium	ug/L	1000	968	97	80-120	
Calcium	ug/L	10000	10000	100	80-120	
Chromium	ug/L	1000	982	98	80-120	
Iron	ug/L	10000	10200	102	80-120	
Lead	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	10000	100	80-120	
Manganese	ug/L	1000	1000	100	80-120	
Nickel	ug/L	1000	1000	100	80-120	
Potassium	ug/L	10000	9260	93	80-120	
Selenium	ug/L	1000	1060	106	80-120	
Silver	ug/L	500	479	96	80-120	
Sodium	ug/L	10000	9980	100	80-120	
Thallium	ug/L	1000	966	97	80-120	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

LABORATORY CONTROL SAMPLE: 192905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	1000	951	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 192906 192907

Parameter	Units	6024039001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	143	10000	10000	10300	9880	101	97	75-125	4	10	
Antimony	ug/L	ND	1000	1000	1020	960	102	96	75-125	6	8	
Arsenic	ug/L	ND	1000	1000	1060	1020	106	101	75-125	4	9	
Barium	ug/L	73.3	1000	1000	1050	1020	98	95	75-125	3	7	
Beryllium	ug/L	ND	1000	1000	999	953	100	95	75-125	5	5	
Cadmium	ug/L	ND	1000	1000	979	946	98	95	75-125	3	7	
Calcium	ug/L	41500	10000	10000	61600	58700	201	172	75-125	5	8	M0
Chromium	ug/L	ND	1000	1000	1010	975	101	97	75-125	4	7	
Iron	ug/L	2470	10000	10000	13200	12600	108	101	75-125	5	12	
Lead	ug/L	ND	1000	1000	1030	964	103	96	75-125	6	8	
Magnesium	ug/L	6870	10000	10000	18200	17300	113	104	75-125	5	7	
Manganese	ug/L	290	1000	1000	1330	1310	104	102	75-125	2	9	
Nickel	ug/L	ND	1000	1000	991	965	99	96	75-125	3	7	
Potassium	ug/L	7830	10000	10000	20000	19400	122	116	75-125	3	7	
Selenium	ug/L	ND	1000	1000	1060	1010	107	102	75-125	5	7	
Silver	ug/L	ND	500	500	484	464	96	93	75-125	4	7	
Sodium	ug/L	167000	10000	10000	206000	200000	390	328	75-125	3	12	M0
Thallium	ug/L	ND	1000	1000	952	923	96	93	75-125	3	6	
Zinc	ug/L	ND	1000	1000	1030	999	101	97	75-125	3	8	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7900 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 193193
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 193194

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	206	104	85-115	

SAMPLE DUPLICATE: 193195

Parameter	Units	6024026003 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	ND	ND	148	22	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4807 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 193531
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 193532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 193533

Parameter	Units	6024026001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.0	101	58-132	

SAMPLE DUPLICATE: 193534

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND	0	12	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4811 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 193547
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.9	98	90-110	

MATRIX SPIKE SAMPLE: 193549

Parameter	Units	6023945002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	5	5.0	100	90-110	

SAMPLE DUPLICATE: 193550

Parameter	Units	6023945003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	ND	181	20	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7923 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 194143
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 194144

Parameter	Units	6023782002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1720	1710	2	5	

SAMPLE DUPLICATE: 194145

Parameter	Units	6024070001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	54.0	56.0	4	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4819 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 194146
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 194147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.5	103	85-116	

MATRIX SPIKE SAMPLE: 194148

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	39.6	94	33-135	

SAMPLE DUPLICATE: 194149

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND	0	14	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4822 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 194423
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 194424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	105	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194425 194426

Parameter	Units	6024026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.5	5	5	29.4	29.3	39	37	57-123	.4	6	M0
Sulfate	mg/L	82.2	25	25	103	107	85	98	60-133	3	12	

SAMPLE DUPLICATE: 194427

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	ND	ND	0	14	
Sulfate	mg/L	ND	ND	0	11	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: MERP/1970 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 194474
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 194475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194476 194477

Parameter	Units	6023899013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.7	96	94	75-125	2	19	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7940 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 194558
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 194559

Parameter	Units	6024021001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	15.0	15.0	0	5	

SAMPLE DUPLICATE: 194560

Parameter	Units	6024026004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	342	342	0	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4835 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 195575
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 195576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 195577

Parameter	Units	6024170007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	2.1	107	90-110	

SAMPLE DUPLICATE: 195578

Parameter	Units	6024170008 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7977 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 195756
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 195757

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	481	96	90-110	

SAMPLE DUPLICATE: 195758

Parameter	Units	6024026001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	314	320	2	6	

SAMPLE DUPLICATE: 195759

Parameter	Units	6024101004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	376	392	4	6	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7994 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

SAMPLE DUPLICATE: 196421

Parameter	Units	6024021001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	33.0	33.0	0	5	

SAMPLE DUPLICATE: 196422

Parameter	Units	6024101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	ND	ND	0	5	

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QUALIFIERS

Project: Ground Water Quality
Pace Project No.: 6024026

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

M0	Matrix spike recovery was outside laboratory control limits.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6024026001	MO027390	EPA 110.2	WET/7891		
6024026002	FB-6	EPA 110.2	WET/7891		
6024026003	MW-12	EPA 110.2	WET/7891		
6024026004	GW-D	EPA 110.2	WET/7891		
6024026005	EB-2	EPA 110.2	WET/7891		
6024026001	MO027390	EPA 365.1	WETA/4794		
6024026002	FB-6	EPA 365.1	WETA/4794		
6024026003	MW-12	EPA 365.1	WETA/4794		
6024026004	GW-D	EPA 365.1	WETA/4794		
6024026005	EB-2	EPA 365.1	WETA/4794		
6024026001	MO027390	EPA 300.0	WETA/4795		
6024026002	FB-6	EPA 300.0	WETA/4795		
6024026003	MW-12	EPA 300.0	WETA/4795		
6024026004	GW-D	EPA 300.0	WETA/4795		
6024026005	EB-2	EPA 300.0	WETA/4795		
6024026001	MO027390	EPA 3010	MPRP/4248	EPA 6010	ICP/3777
6024026002	FB-6	EPA 3010	MPRP/4248	EPA 6010	ICP/3777
6024026003	MW-12	EPA 3010	MPRP/4248	EPA 6010	ICP/3777
6024026004	GW-D	EPA 3010	MPRP/4248	EPA 6010	ICP/3777
6024026005	EB-2	EPA 3010	MPRP/4248	EPA 6010	ICP/3777
6024026001	MO027390	SM 5210B	WET/7900	SM 5210B	WET/7908
6024026002	FB-6	SM 5210B	WET/7900	SM 5210B	WET/7908
6024026003	MW-12	SM 5210B	WET/7900	SM 5210B	WET/7908
6024026004	GW-D	SM 5210B	WET/7900	SM 5210B	WET/7908
6024026005	EB-2	SM 5210B	WET/7900	SM 5210B	WET/7908
6024026001	MO027390	EPA 365.4	WETA/4807		
6024026002	FB-6	EPA 365.4	WETA/4807		
6024026003	MW-12	EPA 365.4	WETA/4807		
6024026004	GW-D	EPA 365.4	WETA/4807		
6024026005	EB-2	EPA 365.4	WETA/4807		
6024026001	MO027390	EPA 351.2	WETA/4811		
6024026002	FB-6	EPA 351.2	WETA/4811		
6024026003	MW-12	EPA 351.2	WETA/4811		
6024026004	GW-D	EPA 351.2	WETA/4811		
6024026005	EB-2	EPA 351.2	WETA/4811		
6024026001	MO027390	SM 2540C	WET/7923		
6024026002	FB-6	SM 2540C	WET/7923		
6024026003	MW-12	SM 2540C	WET/7923		
6024026004	GW-D	SM 2540C	WET/7923		
6024026005	EB-2	SM 2540C	WET/7923		
6024026001	MO027390	EPA 410.4	WETA/4819		
6024026002	FB-6	EPA 410.4	WETA/4819		
6024026003	MW-12	EPA 410.4	WETA/4819		
6024026004	GW-D	EPA 410.4	WETA/4819		
6024026005	EB-2	EPA 410.4	WETA/4819		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6024026001	MO027390	EPA 300.0	WETA/4822		
6024026002	FB-6	EPA 300.0	WETA/4822		
6024026003	MW-12	EPA 300.0	WETA/4822		
6024026004	GW-D	EPA 300.0	WETA/4822		
6024026005	EB-2	EPA 300.0	WETA/4822		
6024026001	MO027390	EPA 7470	MERP/1970	EPA 7470	MERC/1953
6024026002	FB-6	EPA 7470	MERP/1970	EPA 7470	MERC/1953
6024026003	MW-12	EPA 7470	MERP/1970	EPA 7470	MERC/1953
6024026004	GW-D	EPA 7470	MERP/1970	EPA 7470	MERC/1953
6024026005	EB-2	EPA 7470	MERP/1970	EPA 7470	MERC/1953
6024026001	MO027390	SM 2540D	WET/7940		
6024026002	FB-6	SM 2540D	WET/7940		
6024026003	MW-12	SM 2540D	WET/7940		
6024026004	GW-D	SM 2540D	WET/7940		
6024026005	EB-2	SM 2540D	WET/7940		
6024026001	MO027390	EPA 350.1	WETA/4835		
6024026002	FB-6	EPA 350.1	WETA/4835		
6024026003	MW-12	EPA 350.1	WETA/4835		
6024026004	GW-D	EPA 350.1	WETA/4835		
6024026005	EB-2	EPA 350.1	WETA/4835		
6024026001	MO027390	SM 2320B	WET/7977		
6024026002	FB-6	SM 2320B	WET/7977		
6024026003	MW-12	SM 2320B	WET/7977		
6024026004	GW-D	SM 2320B	WET/7977		
6024026005	EB-2	SM 2320B	WET/7977		
6024026001	MO027390	SM 2340C	WET/7994		
6024026002	FB-6	SM 2340C	WET/7994		
6024026003	MW-12	SM 2340C	WET/7994		
6024026004	GW-D	SM 2340C	WET/7994		
6024026005	EB-2	SM 2340C	WET/7994		
6024026001	MO027390	TKN-NH3 Calculation	WET/8035		
6024026002	FB-6	TKN-NH3 Calculation	WET/8035		
6024026003	MW-12	TKN-NH3 Calculation	WET/8035		
6024026004	GW-D	TKN-NH3 Calculation	WET/8035		
6024026005	EB-2	TKN-NH3 Calculation	WET/8035		

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June 29, 2007

Dan Carey
Paul C Rizzo Associates
2055 Craigshire Rd, Suite 350
Saint Louis, MO 63146

RE: Project: Ground Water Quality
Pace Project No.: 6023797

Dear Dan Carey:
Enclosed are the analytical results for sample(s) received by the laboratory on June 07, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
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SAMPLE SUMMARY

Project: Ground Water Quality
Pace Project No.: 6023797

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6023797001	MW-1D	Water	06/06/07 13:15	06/07/07 09:50
6023797002	FB-5	Water	06/06/07 15:50	06/07/07 09:50
6023797003	MW-5S	Water	06/06/07 16:35	06/07/07 09:50

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6023797

Lab ID	Sample ID	Method	Analytes Reported
6023797001	MW-1D	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023797002	FB-5	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6023797003	MW-5S	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6023797

Lab ID	Sample ID	Method	Analytes Reported
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: MW-1D **Lab ID: 6023797001** Collected: 06/06/07 13:15 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**75.8**	ug/L	75.0	1	06/07/07 00:00	06/12/07 12:09	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:09	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:09	7440-38-2	
Barium	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:09	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/07/07 00:00	06/12/07 12:09	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:09	7440-43-9	
Calcium	**54400**	ug/L	100	1	06/07/07 00:00	06/12/07 12:09	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:09	7440-47-3	
Iron	**196**	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:09	7439-89-6	
Lead	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:09	7439-92-1	
Magnesium	**57400**	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:09	7439-95-4	
Manganese	**8.2**	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:09	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:09	7440-02-0	
Potassium	**9080**	ug/L	500	1	06/07/07 00:00	06/12/07 12:09	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/07/07 00:00	06/12/07 12:09	7782-49-2	
Silver	ND	ug/L	7.0	1	06/07/07 00:00	06/12/07 12:09	7440-22-4	
Sodium	**31500**	ug/L	500	1	06/07/07 00:00	06/12/07 12:09	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/07/07 00:00	06/12/07 12:09	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:09	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:22	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**2.0**	units	1.0	1		06/07/07 17:45		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**385**	mg/L	20.0	1		06/07/07 20:06		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**347**	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**384**	mg/L	5.0	1		06/13/07 16:37		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**12.0**	mg/L	5.0	1		06/12/07 15:19		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/08/07 10:11	06/13/07 08:50		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: MW-1D **Lab ID: 6023797001** Collected: 06/06/07 13:15 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/08/07 08:23	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/08/07 08:23	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**5.3**	mg/L	1.0	1		06/08/07 08:23	16887-00-6	
Sulfate	**22.3**	mg/L	1.0	1		06/08/07 08:23	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.11**	mg/L	0.10	1		06/12/07 13:31	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.27**	mg/L	0.20	1		06/14/07 13:49	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 11:58		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:18	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: FB-5 **Lab ID: 6023797002** Collected: 06/06/07 15:50 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/07/07 00:00	06/12/07 12:14	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:14	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:14	7440-38-2	
Barium	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:14	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/07/07 00:00	06/12/07 12:14	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:14	7440-43-9	
Calcium	ND	ug/L	100	1	06/07/07 00:00	06/12/07 12:14	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:14	7440-47-3	
Iron	ND	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:14	7439-89-6	
Lead	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:14	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:14	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:14	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:14	7440-02-0	
Potassium	ND	ug/L	500	1	06/07/07 00:00	06/12/07 12:14	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/07/07 00:00	06/12/07 12:14	7782-49-2	
Silver	ND	ug/L	7.0	1	06/07/07 00:00	06/12/07 12:14	7440-22-4	
Sodium	ND	ug/L	500	1	06/07/07 00:00	06/12/07 12:14	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/07/07 00:00	06/12/07 12:14	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:14	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:23	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/07/07 17:45		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/07/07 20:09		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/13/07 16:38		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/12/07 15:20		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/08/07 10:24	06/13/07 09:00		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: FB-5 **Lab ID: 6023797002** Collected: 06/06/07 15:50 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/08/07 08:35	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/08/07 08:35	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/08/07 08:35	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/08/07 08:35	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/12/07 13:32	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:49	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 12:01		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:19	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: MW-5S **Lab ID: 6023797003** Collected: 06/06/07 16:35 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**606**	ug/L	75.0	1	06/07/07 00:00	06/12/07 12:19	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:19	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:19	7440-38-2	
Barium	**112**	ug/L	10.0	1	06/07/07 00:00	06/12/07 12:19	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/07/07 00:00	06/12/07 12:19	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:19	7440-43-9	
Calcium	**101000**	ug/L	100	1	06/07/07 00:00	06/12/07 12:19	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:19	7440-47-3	
Iron	**2050**	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:19	7439-89-6	
Lead	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:19	7439-92-1	
Magnesium	**132000**	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:19	7439-95-4	
Manganese	**38.5**	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:19	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/07/07 00:00	06/12/07 12:19	7440-02-0	
Potassium	**4890**	ug/L	500	1	06/07/07 00:00	06/12/07 12:19	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/07/07 00:00	06/12/07 12:19	7782-49-2	
Silver	ND	ug/L	7.0	1	06/07/07 00:00	06/12/07 12:19	7440-22-4	
Sodium	**69000**	ug/L	500	1	06/07/07 00:00	06/12/07 12:19	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/07/07 00:00	06/12/07 12:19	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/07/07 00:00	06/12/07 12:19	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/14/07 00:00	06/15/07 11:25	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**85.0**	units	5.0	5		06/07/07 17:45		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**531**	mg/L	20.0	1		06/07/07 20:17		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**802**	mg/L	1.0	1		06/11/07 16:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**910**	mg/L	5.0	1		06/13/07 16:38		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**72.0**	mg/L	5.0	1		06/12/07 15:21		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/08/07 10:27	06/13/07 09:05		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/14/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6023797

Sample: MW-5S **Lab ID: 6023797003** Collected: 06/06/07 16:35 Received: 06/07/07 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**59.2**	mg/L	1.0	1		06/08/07 08:48	14797-55-8	1e
Nitrite as N	ND	mg/L	1.0	1		06/08/07 08:48	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**119**	mg/L	5.0	5		06/16/07 00:59	16887-00-6	
Sulfate	**28.7**	mg/L	1.0	1		06/08/07 08:48	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/12/07 13:34	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 13:51	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/07/07 12:02		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/08/07 12:20	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4759 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 190402
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 190403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.8	92	90-110	

MATRIX SPIKE SAMPLE: 190404

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 190405

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7801 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 190571
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 190572

Parameter	Units	6023728001 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	80.0	80.0	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4762 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 190587
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 190588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.3	106	90-110	
Nitrite as N	mg/L	5	5.2	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 190589 190590

Parameter	Units	6023778002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	20.7	5	5	26.2	26.2	111	111	61-128	.02	7	
Nitrite as N	mg/L	ND	5	5	5.0	5.1	101	101	73-144	.6	5	

SAMPLE DUPLICATE: 190591

Parameter	Units	6023747001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	1.2	1.1	1	11	
Nitrite as N	mg/L	ND	ND	0	10	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4767 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 190887
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 190888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 190889

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.2	103	58-132	

SAMPLE DUPLICATE: 190890

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND	143	12	R3

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: MPRP/4227 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 191031
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Antimony	ug/L	ND	10.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Iron	ug/L	ND	50.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 191032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9020	90	80-120	
Antimony	ug/L	1000	913	91	80-120	
Arsenic	ug/L	1000	1000	100	80-120	
Barium	ug/L	1000	984	98	80-120	
Beryllium	ug/L	1000	1000	100	80-120	
Cadmium	ug/L	1000	1010	101	80-120	
Calcium	ug/L	10000	9560	96	80-120	
Chromium	ug/L	1000	991	99	80-120	
Iron	ug/L	10000	9560	96	80-120	
Lead	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	9210	92	80-120	
Manganese	ug/L	1000	997	100	80-120	
Nickel	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9000	90	80-120	
Selenium	ug/L	1000	989	99	80-120	
Silver	ug/L	500	447	89	80-120	
Sodium	ug/L	10000	8460	85	80-120	
Thallium	ug/L	1000	999	100	80-120	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

LABORATORY CONTROL SAMPLE: 191032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	1000	1020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 191033 191034

Parameter	Units	6023596002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	3910	10000	10000	14400	14400	105	104	75-125	.6	10	
Antimony	ug/L	ND	1000	1000	896	882	90	88	75-125	2	8	
Arsenic	ug/L	ND	1000	1000	985	951	99	95	75-125	4	9	
Barium	ug/L	73.8	1000	1000	1030	997	96	92	75-125	3	7	
Beryllium	ug/L	ND	1000	1000	941	904	94	90	75-125	4	5	
Cadmium	ug/L	ND	1000	1000	935	900	94	90	75-125	4	7	
Calcium	ug/L	623000	10000	10000	655000	626000	319	29	75-125	5	8	M0
Chromium	ug/L	9.4	1000	1000	932	897	92	89	75-125	4	7	
Iron	ug/L	3540	10000	10000	12800	12700	92	91	75-125	.8	12	
Lead	ug/L	ND	1000	1000	947	908	94	91	75-125	4	8	
Magnesium	ug/L	47400	10000	10000	55700	54800	83	74	75-125	2	7	
Manganese	ug/L	443	1000	1000	1380	1340	94	90	75-125	3	9	
Nickel	ug/L	10.6	1000	1000	927	889	92	88	75-125	4	7	
Potassium	ug/L	1480	10000	10000	11300	11100	98	96	75-125	2	7	
Selenium	ug/L	ND	1000	1000	970	929	97	93	75-125	4	7	
Silver	ug/L	ND	500	500	448	444	90	89	75-125	.9	7	
Sodium	ug/L	116000	10000	10000	125000	124000	96	81	75-125	1	12	
Thallium	ug/L	ND	1000	1000	948	914	95	92	75-125	4	6	
Zinc	ug/L	ND	1000	1000	932	895	91	88	75-125	4	8	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7826 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 191204
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 191205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	221	111	85-115	

SAMPLE DUPLICATE: 191206

Parameter	Units	6023843001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	1660	1630	2	22	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7838 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 191355
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 191356

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	470	94	90-110	

SAMPLE DUPLICATE: 191357

Parameter	Units	6023720003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	733	737	.6	6	

SAMPLE DUPLICATE: 191358

Parameter	Units	6023728003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	ND	ND	25	6	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7870 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6023797001, 6023797002, 6023797003

SAMPLE DUPLICATE: 192415

Parameter	Units	6023728001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	316	319	1	5	

SAMPLE DUPLICATE: 192416

Parameter	Units	6023873009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	681	690	1	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4789 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 192628
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 192629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 192630

Parameter	Units	6023797002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 192631

Parameter	Units	6023797003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7887 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 192693
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 192694

Parameter	Units	6023680001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND	0	5	

SAMPLE DUPLICATE: 192695

Parameter	Units	6023751001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	2010	2000	.2	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WET/7909 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 193362
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 193363

Parameter	Units	6023873001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2350	2350	.2	5	

SAMPLE DUPLICATE: 193364

Parameter	Units	6023873006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1400	1390	1	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4810 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 193543
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.2	104	90-110	

MATRIX SPIKE SAMPLE: 193545

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	5	5.9	115	90-110	M1

SAMPLE DUPLICATE: 193546

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: MERP/1964 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 193619
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193621 193622

Parameter	Units	6023728001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.7	98	96	75-125	2	19	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4819 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 194146
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 194147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.5	103	85-116	

MATRIX SPIKE SAMPLE: 194148

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	39.6	94	33-135	

SAMPLE DUPLICATE: 194149

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND	0	14	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6023797

QC Batch: WETA/4822 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6023797001, 6023797002, 6023797003

METHOD BLANK: 194423
Associated Lab Samples: 6023797001, 6023797002, 6023797003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 194424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	105	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194425 194426

Parameter	Units	6024026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.5	5	5	29.4	29.3	39	37	57-123	.4	6	M0
Sulfate	mg/L	82.2	25	25	103	107	85	98	60-133	3	12	

SAMPLE DUPLICATE: 194427

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	ND	ND	0	14	
Sulfate	mg/L	ND	ND	0	11	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Ground Water Quality
Pace Project No.: 6023797

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.
1e	Result posted for Nitrate was above the current IC calibration curve for that analyte. The sample was therefore analyzed at a 10X dilution, outside of the EPA recommended hold time, for a verification result of 44.9 mg/L of Nitrate.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6023797

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023797001	MW-1D	EPA 365.1	WETA/4759		
6023797002	FB-5	EPA 365.1	WETA/4759		
6023797003	MW-5S	EPA 365.1	WETA/4759		
6023797001	MW-1D	EPA 110.2	WET/7801		
6023797002	FB-5	EPA 110.2	WET/7801		
6023797003	MW-5S	EPA 110.2	WET/7801		
6023797001	MW-1D	EPA 300.0	WETA/4762		
6023797002	FB-5	EPA 300.0	WETA/4762		
6023797003	MW-5S	EPA 300.0	WETA/4762		
6023797001	MW-1D	EPA 365.4	WETA/4767		
6023797002	FB-5	EPA 365.4	WETA/4767		
6023797003	MW-5S	EPA 365.4	WETA/4767		
6023797001	MW-1D	EPA 3010	MPRP/4227	EPA 6010	ICP/3753
6023797002	FB-5	EPA 3010	MPRP/4227	EPA 6010	ICP/3753
6023797003	MW-5S	EPA 3010	MPRP/4227	EPA 6010	ICP/3753
6023797001	MW-1D	SM 5210B	WET/7826	SM 5210B	WET/7841
6023797002	FB-5	SM 5210B	WET/7826	SM 5210B	WET/7841
6023797003	MW-5S	SM 5210B	WET/7826	SM 5210B	WET/7841
6023797001	MW-1D	SM 2320B	WET/7838		
6023797002	FB-5	SM 2320B	WET/7838		
6023797003	MW-5S	SM 2320B	WET/7838		
6023797001	MW-1D	SM 2340C	WET/7870		
6023797002	FB-5	SM 2340C	WET/7870		
6023797003	MW-5S	SM 2340C	WET/7870		
6023797001	MW-1D	EPA 350.1	WETA/4789		
6023797002	FB-5	EPA 350.1	WETA/4789		
6023797003	MW-5S	EPA 350.1	WETA/4789		
6023797001	MW-1D	SM 2540D	WET/7887		
6023797002	FB-5	SM 2540D	WET/7887		
6023797003	MW-5S	SM 2540D	WET/7887		
6023797001	MW-1D	SM 2540C	WET/7909		
6023797002	FB-5	SM 2540C	WET/7909		
6023797003	MW-5S	SM 2540C	WET/7909		
6023797001	MW-1D	EPA 351.2	WETA/4810		
6023797002	FB-5	EPA 351.2	WETA/4810		
6023797003	MW-5S	EPA 351.2	WETA/4810		
6023797001	MW-1D	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023797002	FB-5	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023797003	MW-5S	EPA 7470	MERP/1964	EPA 7470	MERC/1944
6023797001	MW-1D	EPA 410.4	WETA/4819		
6023797002	FB-5	EPA 410.4	WETA/4819		
6023797003	MW-5S	EPA 410.4	WETA/4819		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6023797

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6023797001	**MW-1D**	TKN-NH3 Calculation	WET/7930		
6023797002	**FB-5**	TKN-NH3 Calculation	WET/7930		
6023797003	**MW-5S**	TKN-NH3 Calculation	WET/7930		
6023797001	**MW-1D**	EPA 300.0	WETA/4822		
6023797002	**FB-5**	EPA 300.0	WETA/4822		
6023797003	**MW-5S**	EPA 300.0	WETA/4822		

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July 02, 2007

Dan Carey
Paul C Rizzo Associates
2055 Craigshire Rd, Suite 350
Saint Louis, MO 63146

RE: Project: Ground Water Quality
Pace Project No.: 6024101

Dear Dan Carey:
Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
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SAMPLE SUMMARY

Project: Ground Water Quality
Pace Project No.: 6024101

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6024101001	MW-6S	Water	06/12/07 09:45	06/13/07 10:30
6024101002	EB-3	Water	06/12/07 11:25	06/13/07 10:30
6024101003	FB-7	Water	06/12/07 11:40	06/13/07 10:30
6024101004	MW-3S	Water	06/12/07 12:20	06/13/07 10:30

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6024101

Lab ID	Sample ID	Method	Analytes Reported
6024101001	MW-6S	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6024101002	EB-3	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6024101003	FB-7	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6024101

Lab ID	Sample ID	Method	Analytes Reported
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1
6024101004	MW-3S	EPA 110.2	1
		EPA 300.0	4
		EPA 350.1	1
		EPA 351.2	1
		EPA 365.1	1
		EPA 365.4	1
		EPA 410.4	1
		EPA 6010	19
		EPA 7470	1
		SM 2320B	1
		SM 2340C	1
		SM 2540C	1
		SM 2540D	1
		SM 5210B	1
		TKN-NH3 Calculation	1

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: MW-6S **Lab ID: 6024101001** Collected: 06/12/07 09:45 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**4810**	ug/L	75.0	1	06/14/07 00:00	06/21/07 12:18	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:18	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:18	7440-38-2	
Barium	**150**	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:18	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/14/07 00:00	06/21/07 12:18	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:18	7440-43-9	
Calcium	**81900**	ug/L	100	1	06/14/07 00:00	06/21/07 12:18	7440-70-2	
Chromium	**11.9**	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:18	7440-47-3	
Iron	**7060**	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:18	7439-89-6	
Lead	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:18	7439-92-1	
Magnesium	**32000**	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:18	7439-95-4	
Manganese	**122**	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:18	7439-96-5	
Nickel	**26.8**	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:18	7440-02-0	
Potassium	**3120**	ug/L	500	1	06/14/07 00:00	06/21/07 12:18	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/14/07 00:00	06/21/07 12:18	7782-49-2	
Silver	ND	ug/L	7.0	1	06/14/07 00:00	06/21/07 12:18	7440-22-4	
Sodium	**75000**	ug/L	500	1	06/14/07 00:00	06/21/07 12:18	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/14/07 00:00	06/21/07 12:18	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:18	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/20/07 00:00	06/21/07 10:16	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**135**	units	5.0	5		06/13/07 17:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**300**	mg/L	20.0	1		06/18/07 18:05		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**340**	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**562**	mg/L	5.0	1		06/14/07 17:52		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**344**	mg/L	5.0	1		06/17/07 14:04		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	**2.1**	mg/L	2.0	1	06/13/07 16:57	06/18/07 10:35		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	**0.35**	mg/L	0.20	1		06/21/07 09:53		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: MW-6S **Lab ID: 6024101001** Collected: 06/12/07 09:45 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**23.0**	mg/L	1.0	1		06/13/07 17:57	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/13/07 17:57	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**52.0**	mg/L	1.0	1		06/13/07 17:57	16887-00-6	
Sulfate	**41.1**	mg/L	1.0	1		06/13/07 17:57	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 16:25	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.35**	mg/L	0.20	1		06/14/07 14:27	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/13/07 16:59		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:53	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/16/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: EB-3 **Lab ID: 6024101002** Collected: 06/12/07 11:25 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/14/07 00:00	06/21/07 12:23	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:23	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:23	7440-38-2	
Barium	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:23	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/14/07 00:00	06/21/07 12:23	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:23	7440-43-9	
Calcium	ND	ug/L	100	1	06/14/07 00:00	06/21/07 12:23	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:23	7440-47-3	
Iron	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:23	7439-89-6	
Lead	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:23	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:23	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:23	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:23	7440-02-0	
Potassium	ND	ug/L	500	1	06/14/07 00:00	06/21/07 12:23	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/14/07 00:00	06/21/07 12:23	7782-49-2	
Silver	ND	ug/L	7.0	1	06/14/07 00:00	06/21/07 12:23	7440-22-4	
Sodium	ND	ug/L	500	1	06/14/07 00:00	06/21/07 12:23	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/14/07 00:00	06/21/07 12:23	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:23	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/20/07 00:00	06/21/07 10:21	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/13/07 17:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/18/07 18:08		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**11.0**	mg/L	5.0	1		06/14/07 17:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/19/07 16:39		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	**2.4**	mg/L	2.0	1	06/13/07 17:09	06/18/07 10:52		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: EB-3 **Lab ID: 6024101002** Collected: 06/12/07 11:25 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/13/07 18:10	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/13/07 18:10	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/13/07 18:10	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/13/07 18:10	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 16:28	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:29	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/13/07 17:01		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:55	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/16/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: FB-7 **Lab ID: 6024101003** Collected: 06/12/07 11:40 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/14/07 00:00	06/21/07 12:28	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:28	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:28	7440-38-2	
Barium	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:28	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/14/07 00:00	06/21/07 12:28	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:28	7440-43-9	
Calcium	ND	ug/L	100	1	06/14/07 00:00	06/21/07 12:28	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:28	7440-47-3	
Iron	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:28	7439-89-6	
Lead	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:28	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:28	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:28	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:28	7440-02-0	
Potassium	ND	ug/L	500	1	06/14/07 00:00	06/21/07 12:28	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/14/07 00:00	06/21/07 12:28	7782-49-2	
Silver	ND	ug/L	7.0	1	06/14/07 00:00	06/21/07 12:28	7440-22-4	
Sodium	ND	ug/L	500	1	06/14/07 00:00	06/21/07 12:28	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/14/07 00:00	06/21/07 12:28	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:28	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/20/07 00:00	06/21/07 10:22	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/13/07 17:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	ND	mg/L	20.0	1		06/18/07 18:11		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**5.0**	mg/L	5.0	1		06/14/07 17:53		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/19/07 16:39		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 17:10	06/18/07 10:55		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: FB-7 **Lab ID: 6024101003** Collected: 06/12/07 11:40 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/13/07 18:23	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/13/07 18:23	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/13/07 18:23	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/13/07 18:23	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 16:28	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:29	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/13/07 17:03		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:56	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/16/07 00:00		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: MW-3S **Lab ID: 6024101004** Collected: 06/12/07 12:20 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**766**	ug/L	75.0	1	06/14/07 00:00	06/21/07 12:33	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:33	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:33	7440-38-2	
Barium	**78.6**	ug/L	10.0	1	06/14/07 00:00	06/21/07 12:33	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/14/07 00:00	06/21/07 12:33	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:33	7440-43-9	
Calcium	**62900**	ug/L	100	1	06/14/07 00:00	06/21/07 12:33	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:33	7440-47-3	
Iron	**921**	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:33	7439-89-6	
Lead	ND	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:33	7439-92-1	
Magnesium	**28400**	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:33	7439-95-4	
Manganese	**79.4**	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:33	7439-96-5	
Nickel	**6.6**	ug/L	5.0	1	06/14/07 00:00	06/21/07 12:33	7440-02-0	
Potassium	**4050**	ug/L	500	1	06/14/07 00:00	06/21/07 12:33	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/14/07 00:00	06/21/07 12:33	7782-49-2	
Silver	ND	ug/L	7.0	1	06/14/07 00:00	06/21/07 12:33	7440-22-4	
Sodium	**68700**	ug/L	500	1	06/14/07 00:00	06/21/07 12:33	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/14/07 00:00	06/21/07 12:33	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/14/07 00:00	06/21/07 12:33	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/20/07 00:00	06/21/07 10:23	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**12.0**	units	1.0	1		06/13/07 17:15		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total	**376**	mg/L	20.0	1		06/18/07 18:16		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**276**	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**640**	mg/L	5.0	1		06/17/07 16:14		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**23.0**	mg/L	5.0	1		06/19/07 16:40		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 17:16	06/18/07 11:00		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024101

Sample: MW-3S **Lab ID: 6024101004** Collected: 06/12/07 12:20 Received: 06/13/07 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/13/07 18:35	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/13/07 18:35	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**5.1**	mg/L	1.0	1		06/13/07 18:35	16887-00-6	
Sulfate	**26.9**	mg/L	1.0	1		06/13/07 18:35	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 16:29	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:30	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/13/07 17:04		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:59	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/16/07 00:00		

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4796 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193084
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 193085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.7	93	90-110	
Nitrite as N	mg/L	5	4.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 193086 193087

Parameter	Units	6024037002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	5.3	5.3	91	91	61-128	.5	7	
Nitrite as N	mg/L	ND	5	5	5.0	5.0	100	100	73-144	.6	5	

SAMPLE DUPLICATE: 193088

Parameter	Units	6024059002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	1.1	1.1	4	11	
Nitrite as N	mg/L	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7906 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193349
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 193350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	199	101	85-115	

SAMPLE DUPLICATE: 193351

Parameter	Units	6024078001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	11.7	11.9	2	22	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4804 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193424
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 193425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	1.8	91	90-110	

MATRIX SPIKE SAMPLE: 193426

Parameter	Units	6024101001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	ND	2	1.8	92	90-110	

SAMPLE DUPLICATE: 193427

Parameter	Units	6024101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7910 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193456
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 193457

Parameter	Units	6024101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4807 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193531
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 193532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 193533

Parameter	Units	6024026001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.0	101	58-132	

SAMPLE DUPLICATE: 193534

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND	0	12	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4811 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 193547
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.9	98	90-110	

MATRIX SPIKE SAMPLE: 193549

Parameter	Units	6023945002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	5	5.0	100	90-110	

SAMPLE DUPLICATE: 193550

Parameter	Units	6023945003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	ND	181	20	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7923 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6024101001, 6024101002, 6024101003

METHOD BLANK: 194143
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 194144

Parameter	Units	6023782002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1720	1710	.2	5	

SAMPLE DUPLICATE: 194145

Parameter	Units	6024070001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	54.0	56.0	4	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: MPRP/4263 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 194167

Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Antimony	ug/L	ND	10.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Iron	ug/L	ND	50.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 194168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9490	95	80-120	
Antimony	ug/L	1000	969	97	80-120	
Arsenic	ug/L	1000	978	98	80-120	
Barium	ug/L	1000	937	94	80-120	
Beryllium	ug/L	1000	959	96	80-120	
Cadmium	ug/L	1000	979	98	80-120	
Calcium	ug/L	10000	9940	99	80-120	
Chromium	ug/L	1000	969	97	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lead	ug/L	1000	968	97	80-120	
Magnesium	ug/L	10000	9690	97	80-120	
Manganese	ug/L	1000	969	97	80-120	
Nickel	ug/L	1000	971	97	80-120	
Potassium	ug/L	10000	9500	95	80-120	
Selenium	ug/L	1000	948	95	80-120	
Silver	ug/L	500	477	95	80-120	
Sodium	ug/L	10000	8980	90	80-120	
Thallium	ug/L	1000	932	93	80-120	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

LABORATORY CONTROL SAMPLE: 194168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	1000	956	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194169 194170

Parameter	Units	6024037002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9590	9300	96	93	75-125	3	10	
Antimony	ug/L	ND	1000	1000	980	961	98	96	75-125	2	8	
Arsenic	ug/L	ND	1000	1000	992	975	98	97	75-125	2	9	
Barium	ug/L	78.5	1000	1000	1020	998	95	92	75-125	3	7	
Beryllium	ug/L	ND	1000	1000	964	937	96	94	75-125	3	5	
Cadmium	ug/L	ND	1000	1000	975	952	98	95	75-125	2	7	
Calcium	ug/L	51400	10000	10000	62100	60800	107	94	75-125	2	8	
Chromium	ug/L	ND	1000	1000	971	943	97	94	75-125	3	7	
Iron	ug/L	ND	10000	10000	10200	9910	101	99	75-125	3	12	
Lead	ug/L	ND	1000	1000	968	943	97	94	75-125	3	8	
Magnesium	ug/L	8500	10000	10000	18500	18000	100	95	75-125	3	7	
Manganese	ug/L	ND	1000	1000	974	948	97	95	75-125	3	9	
Nickel	ug/L	ND	1000	1000	970	943	97	94	75-125	3	7	
Potassium	ug/L	5250	10000	10000	15200	14900	99	97	75-125	2	7	
Selenium	ug/L	ND	1000	1000	954	942	94	93	75-125	1	7	
Silver	ug/L	ND	500	500	481	474	96	95	75-125	1	7	
Sodium	ug/L	17400	10000	10000	27600	27100	101	97	75-125	2	12	
Thallium	ug/L	ND	1000	1000	936	916	94	92	75-125	2	6	
Zinc	ug/L	ND	1000	1000	954	929	95	93	75-125	3	8	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4822 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 194423
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 194424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	105	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194425 194426

Parameter	Units	6024026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.5	5	5	29.4	29.3	39	37	57-123	.4	6	M0
Sulfate	mg/L	82.2	25	25	103	107	85	98	60-133	3	12	

SAMPLE DUPLICATE: 194427

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	ND	ND	0	14	
Sulfate	mg/L	ND	ND	0	11	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7950
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6024101004

METHOD BLANK: 195041
Associated Lab Samples: 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 195042

Parameter	Units	0706-2647 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	459000	440000	4	5	

SAMPLE DUPLICATE: 195043

Parameter	Units	6024182001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	225	223	9	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7952
QC Batch Method: SM 2540D
Analysis Method: SM 2540D
Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6024101001

METHOD BLANK: 195045
Associated Lab Samples: 6024101001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 195046

Parameter	Units	6024058002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND	0	5	

SAMPLE DUPLICATE: 195047

Parameter	Units	6024076002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	152	156	3	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4828 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 195052
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 195053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	49.0	98	85-116	

MATRIX SPIKE SAMPLE: 195054

Parameter	Units	6024187001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	53.0	107	33-135	

SAMPLE DUPLICATE: 195055

Parameter	Units	6024187002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND	0	14	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WETA/4837 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 195583
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 195584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	94	90-110	

MATRIX SPIKE SAMPLE: 195585

Parameter	Units	6024098004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1.8	2	3.6	89	90-110	M1

SAMPLE DUPLICATE: 195586

Parameter	Units	6024099001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND	0	20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7973 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6024101002, 6024101003, 6024101004

METHOD BLANK: 195652
Associated Lab Samples: 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 195653

Parameter	Units	6024313001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND	0	5	

SAMPLE DUPLICATE: 195654

Parameter	Units	6024167001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND	0	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7977 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 195756
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 195757

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	481	96	90-110	

SAMPLE DUPLICATE: 195758

Parameter	Units	6024026001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	314	320	2	6	

SAMPLE DUPLICATE: 195759

Parameter	Units	6024101004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	376	392	4	6	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: MERP/1986 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

METHOD BLANK: 196384
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 196385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.3	85	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 196386 196387

Parameter	Units	6024101001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.7	4.7	92	92	75-125	.8	19	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024101

QC Batch: WET/7994 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6024101001, 6024101002, 6024101003, 6024101004

SAMPLE DUPLICATE: 196421

Parameter	Units	6024021001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	33.0	33.0	0	5	

SAMPLE DUPLICATE: 196422

Parameter	Units	6024101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	ND	ND	0	5	

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QUALIFIERS

Project: Ground Water Quality
Pace Project No.: 6024101

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

M0	Matrix spike recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6024101

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6024101001	MW-6S	EPA 300.0	WETA/4796		
6024101002	EB-3	EPA 300.0	WETA/4796		
6024101003	FB-7	EPA 300.0	WETA/4796		
6024101004	MW-3S	EPA 300.0	WETA/4796		
6024101001	MW-6S	SM 5210B	WET/7906	SM 5210B	WET/7912
6024101002	EB-3	SM 5210B	WET/7906	SM 5210B	WET/7912
6024101003	FB-7	SM 5210B	WET/7906	SM 5210B	WET/7912
6024101004	MW-3S	SM 5210B	WET/7906	SM 5210B	WET/7912
6024101001	MW-6S	EPA 365.1	WETA/4804		
6024101002	EB-3	EPA 365.1	WETA/4804		
6024101003	FB-7	EPA 365.1	WETA/4804		
6024101004	MW-3S	EPA 365.1	WETA/4804		
6024101001	MW-6S	EPA 110.2	WET/7910		
6024101002	EB-3	EPA 110.2	WET/7910		
6024101003	FB-7	EPA 110.2	WET/7910		
6024101004	MW-3S	EPA 110.2	WET/7910		
6024101001	MW-6S	EPA 365.4	WETA/4807		
6024101002	EB-3	EPA 365.4	WETA/4807		
6024101003	FB-7	EPA 365.4	WETA/4807		
6024101004	MW-3S	EPA 365.4	WETA/4807		
6024101001	MW-6S	EPA 351.2	WETA/4811		
6024101002	EB-3	EPA 351.2	WETA/4811		
6024101003	FB-7	EPA 351.2	WETA/4811		
6024101004	MW-3S	EPA 351.2	WETA/4811		
6024101001	MW-6S	SM 2540C	WET/7923		
6024101002	EB-3	SM 2540C	WET/7923		
6024101003	FB-7	SM 2540C	WET/7923		
6024101001	MW-6S	EPA 3010	MPRP/4263	EPA 6010	ICP/3788
6024101002	EB-3	EPA 3010	MPRP/4263	EPA 6010	ICP/3788
6024101003	FB-7	EPA 3010	MPRP/4263	EPA 6010	ICP/3788
6024101004	MW-3S	EPA 3010	MPRP/4263	EPA 6010	ICP/3788
6024101001	MW-6S	EPA 300.0	WETA/4822		
6024101002	EB-3	EPA 300.0	WETA/4822		
6024101003	FB-7	EPA 300.0	WETA/4822		
6024101004	MW-3S	EPA 300.0	WETA/4822		
6024101004	MW-3S	SM 2540C	WET/7950		
6024101001	MW-6S	SM 2540D	WET/7952		
6024101001	MW-6S	EPA 410.4	WETA/4828		
6024101002	EB-3	EPA 410.4	WETA/4828		
6024101003	FB-7	EPA 410.4	WETA/4828		
6024101004	MW-3S	EPA 410.4	WETA/4828		
6024101001	MW-6S	EPA 350.1	WETA/4837		
6024101002	EB-3	EPA 350.1	WETA/4837		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6024101

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6024101003	FB-7	EPA 350.1	WETA/4837		
6024101004	MW-3S	EPA 350.1	WETA/4837		
6024101002	EB-3	SM 2540D	WET/7973		
6024101003	FB-7	SM 2540D	WET/7973		
6024101004	MW-3S	SM 2540D	WET/7973		
6024101001	MW-6S	SM 2320B	WET/7977		
6024101002	EB-3	SM 2320B	WET/7977		
6024101003	FB-7	SM 2320B	WET/7977		
6024101004	MW-3S	SM 2320B	WET/7977		
6024101001	MW-6S	EPA 7470	MERP/1986	EPA 7470	MERC/1965
6024101002	EB-3	EPA 7470	MERP/1986	EPA 7470	MERC/1965
6024101003	FB-7	EPA 7470	MERP/1986	EPA 7470	MERC/1965
6024101004	MW-3S	EPA 7470	MERP/1986	EPA 7470	MERC/1965
6024101001	MW-6S	SM 2340C	WET/7994		
6024101002	EB-3	SM 2340C	WET/7994		
6024101003	FB-7	SM 2340C	WET/7994		
6024101004	MW-3S	SM 2340C	WET/7994		
6024101001	MW-6S	TKN-NH3 Calculation	WET/8035		
6024101002	EB-3	TKN-NH3 Calculation	WET/8035		
6024101003	FB-7	TKN-NH3 Calculation	WET/8035		
6024101004	MW-3S	TKN-NH3 Calculation	WET/8035		

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February 26, 2008

Re-issued results w/ Bicarbonate and CO_2.

Robert Halden
Rizzo Environmental
105 Mall Boulevard, Suite 270E
Monroeville, PA 15146

RE: Project: Ground Water Quality
Pace Project No.: 6024026

Dear Robert Halden:
Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

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SAMPLE SUMMARY

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6024026001	MO027390	Water	06/11/07 13:20	06/12/07 08:50
6024026002	FB-6	Water	06/11/07 15:05	06/12/07 08:50
6024026003	MW-12	Water	06/11/07 15:45	06/12/07 08:50
6024026004	GW-D	Water	06/11/07 16:10	06/12/07 08:50
6024026005	EB-2	Water	06/11/07 18:25	06/12/07 08:50

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6024026001	MO027390	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	AJM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	SSM, TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KPZ	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	HMW	1
		SM 5210B	KMW	1
		TKN-NH3 Calculation	KMW	1
6024026002	FB-6	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	AJM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	SSM, TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KPZ	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	HMW	1
		SM 5210B	KMW	1
		TKN-NH3 Calculation	KMW	1
6024026003	MW-12	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	AJM	1

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	SSM, TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KPZ	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	HMW	1
		SM 5210B	KMW	1
		TKN-NH3 Calculation	KMW	1
6024026004	GW-D	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	AJM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1
		EPA 410.4	MLM	1
		EPA 6010	SSM, TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KPZ	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	HMW	1
		SM 5210B	KMW	1
		TKN-NH3 Calculation	KMW	1
6024026005	EB-2	EPA 110.2	AJM	1
		EPA 300.0	ACM	4
		EPA 350.1	AJM	1
		EPA 351.2	ACM	1
		EPA 365.1	ACM	1
		EPA 365.4	ACM	1

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SAMPLE ANALYTE COUNT

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 410.4	MLM	1
		EPA 6010	SSM, TJG	19
		EPA 7470	SSM	1
		SM 2320B	KMW	2
		SM 2340C	KPZ	1
		SM 2540C	MLM	1
		SM 2540D	MLM	1
		SM 4500-CO2 D	KMW	1
		SM 4500-H+B	HMW	1
		SM 5210B	KMW	1
		TKN-NH3 Calculation	KMW	1

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: MO027390 **Lab ID: 6024026001** Collected: 06/11/07 13:20 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/12/07 00:00	06/13/07 17:59	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 17:59	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/14/07 13:59	7440-38-2	
Barium	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 17:59	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 17:59	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 17:59	7440-43-9	
Calcium	**63900**	ug/L	100	1	06/12/07 00:00	06/13/07 17:59	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 17:59	7440-47-3	
Iron	**469**	ug/L	50.0	1	06/12/07 00:00	06/13/07 17:59	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 17:59	7439-92-1	
Magnesium	**31000**	ug/L	50.0	1	06/12/07 00:00	06/13/07 17:59	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 17:59	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 17:59	7440-02-0	
Potassium	**10600**	ug/L	500	1	06/12/07 00:00	06/13/07 17:59	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 17:59	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 17:59	7440-22-4	
Sodium	**62700**	ug/L	500	1	06/12/07 00:00	06/13/07 17:59	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/14/07 13:59	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 17:59	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/15/07 00:00	06/18/07 14:20	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**1.0**	units	1.0	1		06/12/07 13:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**314**	mg/L	20.0	1		06/18/07 17:21		
Alkalinity, Total	**314**	mg/L	20.0	1		06/18/07 17:21		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**311**	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**502**	mg/L	5.0	1		06/14/07 17:44		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/15/07 17:41		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.5**	Std. Units	0.10	1		06/13/07 11:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 11:00	06/18/07 09:02		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: MO027390 **Lab ID: 6024026001** Collected: 06/11/07 13:20 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/12/07 18:37	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/12/07 18:37	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**27.5**	mg/L	1.0	1		06/12/07 18:37	16887-00-6	
Sulfate	**82.2**	mg/L	5.0	5		06/16/07 01:12	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.50**	mg/L	0.10	1		06/19/07 10:38	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**0.50**	mg/L	0.20	1		06/14/07 15:33	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/12/07 15:51		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:40	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	**298**	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: FB-6 **Lab ID: 6024026002** Collected: 06/11/07 15:05 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/12/07 00:00	06/13/07 18:03	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:03	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/14/07 14:03	7440-38-2	
Barium	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:03	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 18:03	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:03	7440-43-9	
Calcium	ND	ug/L	100	1	06/12/07 00:00	06/13/07 18:03	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:03	7440-47-3	
Iron	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:03	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:03	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:03	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:03	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:03	7440-02-0	
Potassium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 18:03	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 18:03	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 18:03	7440-22-4	
Sodium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 18:03	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/14/07 14:03	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:03	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/15/07 00:00	06/18/07 14:22	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	ND	units	1.0	1		06/12/07 13:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	20.0	1		06/18/07 17:30		
Alkalinity, Total	ND	mg/L	20.0	1		06/18/07 17:30		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	5.0	1		06/14/07 17:44		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/15/07 17:41		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**6.1**	Std. Units	0.10	1		06/13/07 11:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 11:00	06/18/07 09:07		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: FB-6 **Lab ID: 6024026002** Collected: 06/11/07 15:05 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/12/07 19:41	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/12/07 19:41	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/12/07 19:41	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/12/07 19:41	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 10:39	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:18	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/12/07 15:53		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:45	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	ND	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: MW-12 **Lab ID: 6024026003** Collected: 06/11/07 15:45 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**3990**	ug/L	75.0	1	06/12/07 00:00	06/13/07 18:08	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:08	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/14/07 14:07	7440-38-2	
Barium	**88.0**	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:08	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 18:08	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:08	7440-43-9	
Calcium	**77900**	ug/L	100	1	06/12/07 00:00	06/13/07 18:08	7440-70-2	
Chromium	**11.5**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:08	7440-47-3	
Iron	**3450**	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:08	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:08	7439-92-1	
Magnesium	**30400**	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:08	7439-95-4	
Manganese	**57.4**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:08	7439-96-5	
Nickel	**7.5**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:08	7440-02-0	
Potassium	**2350**	ug/L	500	1	06/12/07 00:00	06/13/07 18:08	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 18:08	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 18:08	7440-22-4	
Sodium	**95800**	ug/L	500	1	06/12/07 00:00	06/13/07 18:08	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/14/07 14:07	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:08	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/15/07 00:00	06/18/07 14:23	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**125**	units	5.0	5		06/12/07 13:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**429**	mg/L	**20.0**	1		06/18/07 17:36		
Alkalinity, Total	**429**	mg/L	20.0	1		06/18/07 17:36		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**342**	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**584**	mg/L	5.0	1		06/14/07 17:45		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**456**	mg/L	5.0	1		06/15/07 17:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.4**	Std. Units	0.10	1		06/13/07 11:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 11:00	06/18/07 09:07		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: MW-12 **Lab ID: 6024026003** Collected: 06/11/07 15:45 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**1.4**	mg/L	1.0	1		06/12/07 20:06	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/12/07 20:06	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**19.9**	mg/L	1.0	1		06/12/07 20:06	16887-00-6	
Sulfate	**75.3**	mg/L	2.0	2		06/16/07 01:50	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 10:40	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**ND**	**mg/L**	**0.20**	**1**		06/14/07 14:18	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/12/07 15:54		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:47	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	**409**	**mg/L**	**20.0**	**1**		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: GW-D **Lab ID: 6024026004** Collected: 06/11/07 16:10 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**4990**	ug/L	75.0	1	06/12/07 00:00	06/13/07 18:20	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:20	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/14/07 14:12	7440-38-2	
Barium	**96.9**	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:20	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 18:20	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:20	7440-43-9	
Calcium	**80200**	ug/L	100	1	06/12/07 00:00	06/13/07 18:20	7440-70-2	
Chromium	**14.6**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:20	7440-47-3	
Iron	**4840**	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:20	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:20	7439-92-1	
Magnesium	**32300**	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:20	7439-95-4	
Manganese	**87.0**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:20	7439-96-5	
Nickel	**10.6**	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:20	7440-02-0	
Potassium	**2870**	ug/L	500	1	06/12/07 00:00	06/13/07 18:20	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 18:20	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 18:20	7440-22-4	
Sodium	**102000**	ug/L	500	1	06/12/07 00:00	06/13/07 18:20	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/14/07 14:12	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:20	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/15/07 00:00	06/18/07 14:24	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**115**	units	5.0	5		06/12/07 13:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**433**	mg/L	20.0	1		06/18/07 17:56		
Alkalinity, Total	**433**	mg/L	20.0	1		06/18/07 17:56		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	**344**	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**586**	mg/L	5.0	1		06/14/07 17:45		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**342**	mg/L	5.0	1		06/15/07 17:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.5**	Std. Units	0.10	1		06/13/07 11:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 11:00	06/18/07 09:09		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: GW-D **Lab ID: 6024026004** Collected: 06/11/07 16:10 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	**1.4**	mg/L	1.0	1		06/12/07 20:19	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/12/07 20:19	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**20.0**	mg/L	1.0	1		06/12/07 20:19	16887-00-6	
Sulfate	**72.9**	mg/L	2.0	2		06/16/07 02:28	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 10:41	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 15:34	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/12/07 15:57		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:48	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	**410**	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: EB-2 **Lab ID: 6024026005** Collected: 06/11/07 18:25 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	75.0	1	06/12/07 00:00	06/13/07 18:24	7429-90-5	
Antimony	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:24	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/12/07 00:00	06/14/07 14:16	7440-38-2	
Barium	ND	ug/L	10.0	1	06/12/07 00:00	06/13/07 18:24	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/12/07 00:00	06/13/07 18:24	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:24	7440-43-9	
Calcium	ND	ug/L	100	1	06/12/07 00:00	06/13/07 18:24	7440-70-2	
Chromium	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:24	7440-47-3	
Iron	**221**	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:24	7439-89-6	
Lead	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:24	7439-92-1	
Magnesium	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:24	7439-95-4	
Manganese	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:24	7439-96-5	
Nickel	ND	ug/L	5.0	1	06/12/07 00:00	06/13/07 18:24	7440-02-0	
Potassium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 18:24	7440-09-7	
Selenium	ND	ug/L	15.0	1	06/12/07 00:00	06/13/07 18:24	7782-49-2	
Silver	ND	ug/L	7.0	1	06/12/07 00:00	06/13/07 18:24	7440-22-4	
Sodium	ND	ug/L	500	1	06/12/07 00:00	06/13/07 18:24	7440-23-5	
Thallium	ND	ug/L	20.0	1	06/12/07 00:00	06/14/07 14:16	7440-28-0	
Zinc	ND	ug/L	50.0	1	06/12/07 00:00	06/13/07 18:24	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	06/15/07 00:00	06/18/07 14:26	7439-97-6	
110.2 Apparent Color	Analytical Method: EPA 110.2							
Apparent Color	**1.0**	units	1.0	1		06/12/07 13:30		
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	20.0	1		06/18/07 17:59		
Alkalinity, Total	ND	mg/L	20.0	1		06/18/07 17:59		
2340C Hardness, Total	Analytical Method: SM 2340C							
Total Hardness	ND	mg/L	1.0	1		06/20/07 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**6.0**	mg/L	5.0	1		06/14/07 17:46		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	ND	mg/L	5.0	1		06/15/07 17:44		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**6.8**	Std. Units	0.10	1		06/13/07 11:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	mg/L	2.0	1	06/13/07 11:00	06/18/07 09:09		

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ANALYTICAL RESULTS

Project: Ground Water Quality
Pace Project No.: 6024026

Sample: EB-2 **Lab ID: 6024026005** Collected: 06/11/07 18:25 Received: 06/12/07 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation							
Total Organic Nitrogen	ND	mg/L	0.20	1		06/21/07 09:53		
300.0 IC Anions	Analytical Method: EPA 300.0							
Nitrate as N	ND	mg/L	1.0	1		06/12/07 20:31	14797-55-8	
Nitrite as N	ND	mg/L	1.0	1		06/12/07 20:31	14797-65-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	ND	mg/L	1.0	1		06/12/07 20:31	16887-00-6	
Sulfate	ND	mg/L	1.0	1		06/12/07 20:31	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/19/07 10:42	7764-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	mg/L	0.20	1		06/14/07 14:20	7727-37-9	
365.1 Phosphate, Ortho as P	Analytical Method: EPA 365.1							
Orthophosphate as P	ND	mg/L	0.10	1		06/12/07 16:00		
365.4 Total Phosphorus	Analytical Method: EPA 365.4							
Phosphorus	ND	mg/L	0.50	1		06/14/07 11:50	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1		06/14/07 00:00		
Carbon Dioxide Calculation	Analytical Method: SM 4500-CO2 D							
Carbon dioxide	ND	mg/L	20.0	1		02/25/08 14:51	124-38-9	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7891 Analysis Method: EPA 110.2
QC Batch Method: EPA 110.2 Analysis Description: 110.2 Color
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 192730
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Apparent Color	units	ND	1.0	

SAMPLE DUPLICATE: 192731

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4794 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Ortho
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 192790
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Orthophosphate as P	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 192791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2	2.0	98	90-110	

MATRIX SPIKE SAMPLE: 192792

Parameter	Units	6024026001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	ND	2	1.8	91	90-110	

SAMPLE DUPLICATE: 192793

Parameter	Units	6024026003 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	ND	.082J	80	20	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4795 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 192809
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate as N	mg/L	ND	1.0	
Nitrite as N	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 192810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.9	98	90-110	
Nitrite as N	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 192811 192812

Parameter	Units	6024026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	4.5	4.5	89	90	61-128	1	7	
Nitrite as N	mg/L	ND	5	5	5.4	5.4	109	108	73-144	1	5	

SAMPLE DUPLICATE: 192813

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/L	ND	ND	0	11	
Nitrite as N	mg/L	ND	ND	0	10	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: MPRP/4248
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 192904
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	ug/L	ND	75.0	
Antimony	ug/L	ND	10.0	
Arsenic	ug/L	ND	10.0	
Barium	ug/L	ND	10.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	5.0	
Calcium	ug/L	ND	100	
Chromium	ug/L	ND	5.0	
Iron	ug/L	ND	50.0	
Lead	ug/L	ND	5.0	
Magnesium	ug/L	ND	50.0	
Manganese	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Potassium	ug/L	ND	500	
Selenium	ug/L	ND	15.0	
Silver	ug/L	ND	7.0	
Sodium	ug/L	ND	500	
Thallium	ug/L	ND	20.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 192905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9530	95	80-120	
Antimony	ug/L	1000	1000	100	80-120	
Arsenic	ug/L	1000	1030	103	80-120	
Barium	ug/L	1000	975	98	80-120	
Beryllium	ug/L	1000	976	98	80-120	
Cadmium	ug/L	1000	968	97	80-120	
Calcium	ug/L	10000	10000	100	80-120	
Chromium	ug/L	1000	982	98	80-120	
Iron	ug/L	10000	10200	102	80-120	
Lead	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	10000	100	80-120	
Manganese	ug/L	1000	1000	100	80-120	
Nickel	ug/L	1000	1000	100	80-120	
Potassium	ug/L	10000	9260	93	80-120	
Selenium	ug/L	1000	1060	106	80-120	
Silver	ug/L	500	479	96	80-120	
Sodium	ug/L	10000	9980	100	80-120	
Thallium	ug/L	1000	966	97	80-120	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

LABORATORY CONTROL SAMPLE: 192905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	1000	951	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 192906 192907

Parameter	Units	6024039001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	143	10000	10000	10300	9880	101	97	75-125	4	10	
Antimony	ug/L	ND	1000	1000	1020	960	102	96	75-125	6	8	
Arsenic	ug/L	ND	1000	1000	1060	1020	106	101	75-125	4	9	
Barium	ug/L	73.3	1000	1000	1050	1020	98	95	75-125	3	7	
Beryllium	ug/L	ND	1000	1000	999	953	100	95	75-125	5	5	
Cadmium	ug/L	ND	1000	1000	979	946	98	95	75-125	3	7	
Calcium	ug/L	41500	10000	10000	61600	58700	201	172	75-125	5	8	M0
Chromium	ug/L	ND	1000	1000	1010	975	101	97	75-125	4	7	
Iron	ug/L	2470	10000	10000	13200	12600	108	101	75-125	5	12	
Lead	ug/L	ND	1000	1000	1030	964	103	96	75-125	6	8	
Magnesium	ug/L	6870	10000	10000	18200	17300	113	104	75-125	5	7	
Manganese	ug/L	290	1000	1000	1330	1310	104	102	75-125	2	9	
Nickel	ug/L	ND	1000	1000	991	965	99	96	75-125	3	7	
Potassium	ug/L	7830	10000	10000	20000	19400	122	116	75-125	3	7	
Selenium	ug/L	ND	1000	1000	1060	1010	107	102	75-125	5	7	
Silver	ug/L	ND	500	500	484	464	96	93	75-125	4	7	
Sodium	ug/L	167000	10000	10000	206000	200000	390	328	75-125	3	12	M0
Thallium	ug/L	ND	1000	1000	952	923	96	93	75-125	3	6	
Zinc	ug/L	ND	1000	1000	1030	999	101	97	75-125	3	8	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7900 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 193193
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 193194

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	206	104	85-115	

SAMPLE DUPLICATE: 193195

Parameter	Units	6024026003 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	ND	ND	148	22	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4807 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 193531
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Phosphorus	mg/L	ND	0.50	

LABORATORY CONTROL SAMPLE: 193532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 193533

Parameter	Units	6024026001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.0	101	58-132	

SAMPLE DUPLICATE: 193534

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND	0	12	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4811 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 193547
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 193548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.9	98	90-110	

MATRIX SPIKE SAMPLE: 193549

Parameter	Units	6023945002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	5	5.0	100	90-110	

SAMPLE DUPLICATE: 193550

Parameter	Units	6023945003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	ND	181	20	R3

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7923 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 194143
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 194144

Parameter	Units	6023782002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1720	1710	0	5	

SAMPLE DUPLICATE: 194145

Parameter	Units	6024070001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	54.0	56.0	4	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4819 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 194146
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 194147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.5	103	85-116	

MATRIX SPIKE SAMPLE: 194148

Parameter	Units	6023728001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	39.6	94	33-135	

SAMPLE DUPLICATE: 194149

Parameter	Units	6023728002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	ND		14	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4822 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 194423
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	1.0	
Sulfate	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 194424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.2	105	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194425 194426

Parameter	Units	6024026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	27.5	5	5	29.4	29.3	39	37	57-123	0	6	M0
Sulfate	mg/L	82.2	25	25	103	107	85	98	60-133	3	12	

SAMPLE DUPLICATE: 194427

Parameter	Units	6024026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	ND	ND	0	14	
Sulfate	mg/L	ND	ND	0	11	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: MERP/1970 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 194474
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 194475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194476 194477

Parameter	Units	6023899013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.7	96	94	75-125	2	19	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7940 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 194558
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 194559

Parameter	Units	6024021001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	15.0	15.0	0	5	

SAMPLE DUPLICATE: 194560

Parameter	Units	6024026004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	342	342	0	5	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WETA/4835 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 195575
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 195576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 195577

Parameter	Units	6024170007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	2.1	107	90-110	

SAMPLE DUPLICATE: 195578

Parameter	Units	6024170008 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7977 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

METHOD BLANK: 195756
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Alkalinity, Total	mg/L	ND	20.0	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	20.0	

LABORATORY CONTROL SAMPLE: 195757

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total	mg/L	500	481	96	90-110	

SAMPLE DUPLICATE: 195758

Parameter	Units	6024026001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	314	320	2	6	
Alkalinity,Bicarbonate (CaCO3)	mg/L	314	320	2	6	

SAMPLE DUPLICATE: 195759

Parameter	Units	6024101004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total	mg/L	376	392	4	6	
Alkalinity,Bicarbonate (CaCO3)	mg/L	376	392	4	6	

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QUALITY CONTROL DATA

Project: Ground Water Quality
Pace Project No.: 6024026

QC Batch: WET/7994 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
Associated Lab Samples: 6024026001, 6024026002, 6024026003, 6024026004, 6024026005

SAMPLE DUPLICATE: 196421

Parameter	Units	6024021001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	33.0	33.0	0	5	

SAMPLE DUPLICATE: 196422

Parameter	Units	6024101002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	ND	ND	0	5	

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QUALIFIERS

Project: Ground Water Quality
Pace Project No.: 6024026

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

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ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery was outside laboratory control limits.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6024026001	MO027390	EPA 110.2	WET/7891		
6024026002	FB-6	EPA 110.2	WET/7891		
6024026003	MW-12	EPA 110.2	WET/7891		
6024026004	GW-D	EPA 110.2	WET/7891		
6024026005	EB-2	EPA 110.2	WET/7891		
6024026001	MO027390	EPA 365.1	WETA/4794		
6024026002	FB-6	EPA 365.1	WETA/4794		
6024026003	MW-12	EPA 365.1	WETA/4794		
6024026004	GW-D	EPA 365.1	WETA/4794		
6024026005	EB-2	EPA 365.1	WETA/4794		
6024026001	MO027390	EPA 300.0	WETA/4795		
6024026002	FB-6	EPA 300.0	WETA/4795		
6024026003	MW-12	EPA 300.0	WETA/4795		
6024026004	GW-D	EPA 300.0	WETA/4795		
6024026005	EB-2	EPA 300.0	WETA/4795		
6024026001	MO027390	EPA 3010	MPRP/4248	EPA 6010	ICP/3777
6024026002	FB-6	EPA 3010	MPRP/4248	EPA 6010	ICP/3777
6024026003	MW-12	EPA 3010	MPRP/4248	EPA 6010	ICP/3777
6024026004	GW-D	EPA 3010	MPRP/4248	EPA 6010	ICP/3777
6024026005	EB-2	EPA 3010	MPRP/4248	EPA 6010	ICP/3777
6024026001	MO027390	SM 5210B	WET/7900	SM 5210B	WET/7908
6024026002	FB-6	SM 5210B	WET/7900	SM 5210B	WET/7908
6024026003	MW-12	SM 5210B	WET/7900	SM 5210B	WET/7908
6024026004	GW-D	SM 5210B	WET/7900	SM 5210B	WET/7908
6024026005	EB-2	SM 5210B	WET/7900	SM 5210B	WET/7908
6024026001	MO027390	EPA 365.4	WETA/4807		
6024026002	FB-6	EPA 365.4	WETA/4807		
6024026003	MW-12	EPA 365.4	WETA/4807		
6024026004	GW-D	EPA 365.4	WETA/4807		
6024026005	EB-2	EPA 365.4	WETA/4807		
6024026001	MO027390	EPA 351.2	WETA/4811		
6024026002	FB-6	EPA 351.2	WETA/4811		
6024026003	MW-12	EPA 351.2	WETA/4811		
6024026004	GW-D	EPA 351.2	WETA/4811		
6024026005	EB-2	EPA 351.2	WETA/4811		
6024026001	MO027390	SM 2540C	WET/7923		
6024026002	FB-6	SM 2540C	WET/7923		
6024026003	MW-12	SM 2540C	WET/7923		
6024026004	GW-D	SM 2540C	WET/7923		
6024026005	EB-2	SM 2540C	WET/7923		
6024026001	MO027390	EPA 410.4	WETA/4819		
6024026002	FB-6	EPA 410.4	WETA/4819		
6024026003	MW-12	EPA 410.4	WETA/4819		
6024026004	GW-D	EPA 410.4	WETA/4819		
6024026005	EB-2	EPA 410.4	WETA/4819		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6024026001	MO027390	EPA 300.0	WETA/4822		
6024026002	FB-6	EPA 300.0	WETA/4822		
6024026003	MW-12	EPA 300.0	WETA/4822		
6024026004	GW-D	EPA 300.0	WETA/4822		
6024026005	EB-2	EPA 300.0	WETA/4822		
6024026001	MO027390	EPA 7470	MERP/1970	EPA 7470	MERC/1953
6024026002	FB-6	EPA 7470	MERP/1970	EPA 7470	MERC/1953
6024026003	MW-12	EPA 7470	MERP/1970	EPA 7470	MERC/1953
6024026004	GW-D	EPA 7470	MERP/1970	EPA 7470	MERC/1953
6024026005	EB-2	EPA 7470	MERP/1970	EPA 7470	MERC/1953
6024026001	MO027390	SM 2540D	WET/7940		
6024026002	FB-6	SM 2540D	WET/7940		
6024026003	MW-12	SM 2540D	WET/7940		
6024026004	GW-D	SM 2540D	WET/7940		
6024026005	EB-2	SM 2540D	WET/7940		
6024026001	MO027390	EPA 350.1	WETA/4835		
6024026002	FB-6	EPA 350.1	WETA/4835		
6024026003	MW-12	EPA 350.1	WETA/4835		
6024026004	GW-D	EPA 350.1	WETA/4835		
6024026005	EB-2	EPA 350.1	WETA/4835		
6024026001	MO027390	SM 2320B	WET/7977		
6024026002	FB-6	SM 2320B	WET/7977		
6024026003	MW-12	SM 2320B	WET/7977		
6024026004	GW-D	SM 2320B	WET/7977		
6024026005	EB-2	SM 2320B	WET/7977		
6024026001	MO027390	SM 2340C	WET/7994		
6024026002	FB-6	SM 2340C	WET/7994		
6024026003	MW-12	SM 2340C	WET/7994		
6024026004	GW-D	SM 2340C	WET/7994		
6024026005	EB-2	SM 2340C	WET/7994		
6024026001	MO027390	TKN-NH3 Calculation	WET/8035		
6024026002	FB-6	TKN-NH3 Calculation	WET/8035		
6024026003	MW-12	TKN-NH3 Calculation	WET/8035		
6024026004	GW-D	TKN-NH3 Calculation	WET/8035		
6024026005	EB-2	TKN-NH3 Calculation	WET/8035		
6024026001	MO027390	SM 4500-H+B	WET/11230		
6024026002	FB-6	SM 4500-H+B	WET/11230		
6024026003	MW-12	SM 4500-H+B	WET/11230		
6024026004	GW-D	SM 4500-H+B	WET/11230		
6024026005	EB-2	SM 4500-H+B	WET/11230		
6024026001	MO027390	SM 4500-CO2 D	WETA/6364		
6024026002	FB-6	SM 4500-CO2 D	WETA/6364		
6024026003	MW-12	SM 4500-CO2 D	WETA/6364		
6024026004	GW-D	SM 4500-CO2 D	WETA/6364		

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Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ground Water Quality
Pace Project No.: 6024026

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6024026005	**EB-2**	SM 4500-CO2 D	WETA/6364		

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New Orleans Laboratory

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

June 19, 2007

Client Services
Pace Kansas
9608 Loiret Boulevard
Lenexa, KS 66219

RE: Project: 2070520
RE: Project ID: 6023797

Dear Client Services:

Enclosed are the analytical results for sample(s) received by the laboratory on June 07, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Karen Brown

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF LABORATORY ANALYSIS

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Phone: 504.469.0333
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LELAP # 02006



Report of Laboratory Analysis

Project Number: 2070520



6/19/2007 16:31:55



Sample Cross Reference Report

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: PASI Kansas

Project: 6023797

Project No.: 2070520

Sample ID	Lab ID	Matrix	Collection Date/Time		Received Date/Time	
MW-1D	6023797001	Water	06/06/2007	13:15	06/07/2007	09:50
FB-5	6023797002	Water	06/06/2007	15:50	06/07/2007	09:50
MW-5S	6023797003	Water	06/06/2007	16:35	06/07/2007	09:50

6/19/2007 16:31:58

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Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health ,Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270
Pennsylvania DEP (NELAC) 68-04202

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Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2070520

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

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New Orleans Laboratory

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2070520

Analytical Method	Batch	Sample used for QC
SM 4500-Si C	87318	Project sample MW-1D

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from the a different client was used.

New Orleans Laboratory Certifications
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Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: MW-1D
Client: PASI Kansas
Project: 6023797
Site: None
Lab ID: 6023797001
Project No.: 2070520
Description: None
Matrix: Water
%Moisture: n/a
Collected: 06/06/07
Received: 06/07/07

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Silica	SM 4500-Si C	87318	1	8.77		mg/L	1.00	18-Jun-07	18-Jun-07 11:59	TAE	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
PF other than 1 denotes sample Prep Factor which accounts for a non-routine sample size.
DF denotes Dilution Factor of final sample.
Reporting/Detection Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

6/19/2007 16:32:30

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
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Florida Dept. of Health (NELAC) - E87595
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1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: FB-5 **Client:** PASI Kansas

Project: 6023797 **Site:** None

Lab ID: 6023797002 **Project No.:** 2070520

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/06/07 **Received:** 06/07/07

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Silica	SM 4500-Si C	87318	1	ND		mg/L	1.00	18-Jun-07	18-Jun-07 11:59	TAE	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
PF other than 1 denotes sample Prep Factor which accounts for a non-routine sample size.
DF denotes Dilution Factor of final sample.
Reporting/Detection Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

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Report of Laboratory Analysis

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St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: MW-5S
Client: PASI Kansas
Project: 6023797
Site: None
Lab ID: 6023797003
Project No.: 2070520
Description: None
Matrix: Water
%Moisture: n/a
Collected: 06/06/07
Received: 06/07/07

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Silica	SM 4500-Si C	87318	1	12.1		mg/L	1.00	18-Jun-07	18-Jun-07 11:59	TAE	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
PF other than 1 denotes sample Prep Factor which accounts for a non-routine sample size.
DF denotes Dilution Factor of final sample.
Reporting/Detection Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

6/19/2007 16:32:30

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Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2070520

Parameter	Batch	Blank	ARL	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	DUP RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Silica	87318	ND	1.00	mg/L	10	10.99	110									90 - 110	-		
Silica	87318			mg/L					8.77						0	-	-	20	

* denotes recovery outside of QC limits.
ARL denotes Adjusted Reporting Limit, corrected for sample size, dilution and moisture content as applicable.
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

6/19/2007 16:32:33

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CHAIN-OF-CUSTODY / Analytical Request Document
The chain-of-Custody is a LEGAL DOCUMENT. All relvant fields must be completed accurately

Page: of

Required Client Information: Section A		Required Client Information: Section B		Required Client Information:			
Company:	Paul C Rizzo Environmental	Report To:	Dan Carey	Email Results:			
Address:	602 Market Street, Box 103	P. O.		Requested Due Date:		Copy To:	
	Fulton MO 65251	Project Name:	GROUND Surface Water Quality	Quote Reference:			
Phone:	573-676-6304	Site Address:		Project Manager		Invoice To:	023797
Fax:	573-676-4206			Project #			
Location: (State)	Missouri	Project No:		Profile #			

ITEM NUMBER	Required Client Information: SAMPLE ID (print clearly)	Matrix ID: Water Tissue Soil Other: Oil Wipe Air	Sample Matrix	Date Collected	Time Collected	No. of Containers	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	TSP or Na2S2O3	Methanol	Requested Analysis: SO4, Cl, NO2/NO3	Orthophosphate, Alk	ICP Metal (6010)	Ammonia, Total Phos	BOD, TSS, TDS, COLOR	[redacted]	Hardness				REMARKS / LAB ID
1	MW-1D 1BP1N 1BP2N		WATER	6/6/07	1315	5	2	1	1	1BP3S			1.T	X	X	X	X	X	X	X	1BP3N	1.T		001
2	FB-5		"	6/6/07	1550	5	2	1	1					X	X	X	X	X		X				002
3	MW-5S		"	6/6/07	1635	5	2	1	1					X	X	X	X	X		X				003
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM#
Pick-UP				

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible]	6/6/07	1730	[illegible] PACE	6/6/07	1720
[illegible] PACE	6/6/07	1830	[illegible]	6/7/07	0910
[illegible]	6/7/07	1200			
[illegible]	6-14-07	0900	[illegible]	6-14-07	0900

SAMPLER NAME AND SIGNATURE
PRINT NAME OF SAMPLER: JACK FRIESNER
SIGNATURE OF SAMPLER: [signature] DATE SIGNED: 6/6/07

SAMPLE CONDITION:

Temp in C	1.7
Received on ice	(Y) / N
Sealed Cooler	(Y) / N
Sample Intact	(Y) N

Additional Comments:

SAMPLE NOTES:
See Rizzo's List
5.4°

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CHAIN-OF-CUSTODY / Analytical Request Document
The chain-of-custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

Required Client Information: Section A		Required Client Information: Section B		Required Client Information:			
Company:	Paul C Rizzo Environmental	Report To:	Dan Carey	Email Results:			
Address:	602 Market Street, Box 103	P. O.		Requested Due Date:		Copy To:	
	Fulton MO 65251	Project Name:	Shoal Water Quality	Quote Reference:			
Phone:	573-676-6304	Site Address:		Project Manager		Invoice To:	
Fax:	573-676-4206			Project #			
Location: (State)	Missouri	Project No:		Profile #			

ITEM NUMBER	SAMPLE ID (print clearly)	Matrix ID: Water, Tissue, Soil, Other, Oil, Wipe, Air	Sample Matrix	Date Collected	Time Collected	# of Containers	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	TSP or Na2S2O3	Methanol	Requested Analysis: ODOR			REMARKS / LAB ID
1	[redacted] MW-1D, BP1N, BP2N		WATER	6/6/07	1315	1	1		BP3S					X	BP3N		001
2	FB-5		"	6/6/07	1550	1	1		↓					X	↓		002
3	MW-5S		"	6/6/07	1635	1	1		↓					X	↓		003
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

LD23797

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM#
Pick Up			1	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[redacted]	6/6/07	1720	[redacted] / PACE	6/6/07	1720
[redacted] / PACE	6/6/07	0930	[redacted]	6/7/07	09:50
[redacted]	6/6/07	1625			
FedEx	6/7/07	0940	[redacted]	6/7/07	0940

SAMPLER NAME AND SIGNATURE

PRINT NAME OF SAMPLER: JACK E. FRIESNER

SIGNATURE OF SAMPLER:

DATE SIGNED: 6/7/07

SAMPLE CONDITION:

Temp in C	1.7
Received on ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

5.4°

SAMPLE NOTES:

Additional Comments:

PDC Laboratories, Inc.
P.O. Box 9071 • Peoria, IL 61612-9071
(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689

ACCREDITED IN ACCORDANCE WITH nelac

MAR 26 2008

Paul C. Rizzo Associates, Inc.
2055 Craigshire Road, Suite 350
St. Louis, MO 63146

Attn: Mr. Robert Halden

Date Received: 29-Feb-08
Date Reported: 21-Mar-08

Sample No: **08023911-1** Collect Date: **28-Feb-08 10:30**
Client Id: **SURFACE WATER** Site: **SG - A3** Locator: **AMEREN**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		40	mg/m3	29-Feb-08 12:20	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	29-Feb-08 12:20	JSA
SM (18) 9223B					
Fecal Coliform		20	mpn/100 ml	29-Feb-08 12:05	AMG2
Opinion	U			29-Feb-08 12:05	AMG2
Total Coliform		440	mpn/100 ml	29-Feb-08 12:05	AMG2
SM (18) 9230C					
Fecal Streptococcus		30	cfu/100 ml	29-Feb-08 12:20	JSA
SM METHOD 10200 H					
Sample Volume		750	ml	29-Feb-08 12:20	JSA

Sample No: **08023911-2** Collect Date: **28-Feb-08 11:20**
Client Id: **SURFACE WATER** Site: **SG - L1** Locator: **AMEREN**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		20	mg/m3	29-Feb-08 12:20	JSA
SM (18) 9222D					
Fecal Coliform		20	cfu/100 ml	29-Feb-08 12:20	JSA
SM (18) 9223B					
Fecal Coliform		70	mpn/100 ml	29-Feb-08 12:05	AMG2
Opinion	U			29-Feb-08 12:05	AMG2
Total Coliform		370	mpn/100 ml	29-Feb-08 12:05	AMG2
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	29-Feb-08 12:20	JSA
SM METHOD 10200 H					
Sample Volume		1000	ml	29-Feb-08 12:20	JSA

Sample No: **08023911-3** Collect Date: **28-Feb-08 12:20**
Client Id: **SURFACE WATER** Site: **S - 01** Locator: **AMEREN**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		170	mg/m3	29-Feb-08 12:20	JSA

recycled paper

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ACCREDITED IN ACCORDANCE WITH nelac

Paul C. Rizzo Associates, Inc.
2055 Craigshire Road, Suite 350
St. Louis, MO 63146

Attn: Mr. Robert Halden

Date Received: 29-Feb-08
Date Reported: 21-Mar-08

Sample No: **08023911-3** Collect Date: **28-Feb-08 12:20**
Client Id: **SURFACE WATER** Site: **S - 01** Locator: **AMEREN**

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform		50	cfu/100 ml	29-Feb-08 12:20	JSA
SM (18) 9223B					
Fecal Coliform		190	mpn/100 ml	29-Feb-08 12:05	AMG2
Opinion	U			29-Feb-08 12:05	AMG2
Total Coliform		2400	mpn/100 ml	29-Feb-08 12:05	AMG2
SM (18) 9230C					
Fecal Streptococcus		50	cfu/100 ml	29-Feb-08 12:20	JSA
SM METHOD 10200 H					
Sample Volume		200	ml	29-Feb-08 12:20	JSA

Sample No: **08023911-4** Collect Date: **28-Feb-08 13:00**
Client Id: **SURFACE WATER** Site: **S - 02** Locator: **AMEREN**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		210	mg/m3	29-Feb-08 12:20	JSA
SM (18) 9222D					
Fecal Coliform		40	cfu/100 ml	29-Feb-08 12:20	JSA
SM (18) 9223B					
Fecal Coliform		140	mpn/100 ml	29-Feb-08 12:05	AMG2
Opinion	U			29-Feb-08 12:05	AMG2
Total Coliform		2400	mpn/100 ml	29-Feb-08 12:05	AMG2
SM (18) 9230C					
Fecal Streptococcus		10	cfu/100 ml	29-Feb-08 12:20	JSA
SM METHOD 10200 H					
Sample Volume		150	ml	29-Feb-08 12:20	JSA

Sample No: **08023911-5** Collect Date: **28-Feb-08 13:05**
Client Id: **SURFACE WATER** Site: **DUP - 3** Locator: **AMEREN**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		130	mg/m3	29-Feb-08 12:20	JSA
SM (18) 9222D					
Fecal Coliform		60	cfu/100 ml	29-Feb-08 12:20	JSA

recycled paper

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Paul C. Rizzo Associates, Inc.
2055 Craigshire Road, Suite 350
St. Louis, MO 63146

Attn: Mr. Robert Halden

Date Received: 29-Feb-08
Date Reported: 21-Mar-08

Sample No: **08023911-5** Collect Date: **28-Feb-08 13:05**
Client Id: **SURFACE WATER** Site: **DUP - 3** Locator: **AMEREN**

		Result	Units	Date / Time	Analyst
SM (18) 9223B					
Fecal Coliform		170	mpn/100 ml	29-Feb-08 12:05	AMG2
Opinion	U			29-Feb-08 12:05	AMG2
Total Coliform		2400	mpn/100 ml	29-Feb-08 12:05	AMG2
SM (18) 9230C					
Fecal Streptococcus		50	cfu/100 ml	29-Feb-08 12:20	JSA
SM METHOD 10200 H					
Sample Volume		200	ml	29-Feb-08 12:20	JSA

Sample No: **08023911-6** Collect Date: **28-Feb-08 13:15**
Client Id: **SURFACE WATER** Site: **FB - 3** Locator: **AMEREN**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		70	mg/m3	29-Feb-08 12:20	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	29-Feb-08 12:20	JSA
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	29-Feb-08 12:05	AMG2
Opinion	S			29-Feb-08 12:05	AMG2
Total Coliform	<	1	mpn/100 ml	29-Feb-08 12:05	AMG2
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	29-Feb-08 12:20	JSA
SM METHOD 10200 H					
Sample Volume		1000	ml	29-Feb-08 12:20	JSA

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Paul C. Rizzo Associates, Inc.
2055 Craigshire Road, Suite 350
St. Louis, MO 63146

Attn: Mr. Robert Halden

Date Received: 29-Feb-08
Date Reported: 21-Mar-08

PDC Laboratories participates in the following laboratory accreditation/certification and proficiency programs. Endorsement by the Federal or State Government or their agencies is not implied.

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17533
Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)
Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (99829443
Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)
UST Certification: Iowa (240)

Certified by: Elaine Kaufmann
Elaine Kaufmann, Project Manager

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2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

State where samples collected MO

*ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT) - **(SAMPLE ACCEPTANCE POLICY ON REVERSE)***

1 CLIENT	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
R-220	Ameren		Fed Ex
ADDRESS	PHONE NUMBER	FAX NUMBER	DATE SHIPPED
2055 Craigshire Rd			2/28/08
CITY STATE ZIP: St. Louis, MO 63146	SAMPLER (PLEASE PRINT): Joseph J. Grib		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, OTHER: GW
CONTACT PERSON: Robert Halden	SAMPLER'S SIGNATURE: Joseph J. Grib		

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	3 ANALYSIS REQUESTED: Fecal Coliform	Total Strep	Fecal Strep	Chlorophyll	REMARKS
SG-A3	2/28/08	1030	X		GW	3	X	X	X	X	
SG-L1		1120									
S-01		1220									
S-02		1300									
Dup-3		1305									
FB-3		1315									

24 HR. Holds

4 (FOR LAB USE ONLY): 0802911-6
LOGIN #:
LOGGED BY:
LAB PROJ. #:
TEMPLATE:
PROJ. MGR.:

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH — DATE RESULTS NEEDED
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.*

7	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	2/29/08	11:30			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED AT LAB BY: (SIGNATURE) U. Bennett	2/29/08	10:35

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 2 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT (Y OR N)
SAMPLE(S) RECEIVED ON ICE (Y OR N)
PROPER BOTTLES RECEIVED IN GOOD CONDITION (Y OR N)
BOTTLES FILLED WITH ADEQUATE VOLUME (Y OR N)
SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) (Y OR N)
DATE AND TIME TAKEN FROM SAMPLE BOTTLE

Copies: white should accompany samples to PDC Labs. Yellow copy to be retained by the client.

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MAR 26 2008

Paul C. Rizzo Associates, Inc.
2055 Craigshire Road, Suite 350
St. Louis, MO 63146

Attn: Mr. Robert Halden

Date Received: 28-Feb-08
Date Reported: 21-Mar-08

Sample No: **08023777-1** Collect Date: **27-Feb-08 9:40**
Client Id: **SURFACE WATER** Site: **PG - 9** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		90	mg/m3	28-Feb-08 13:55	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	U			28-Feb-08 13:10	AMG2
Total Coliform		220	mpn/100 ml	28-Feb-08 13:10	AMG2
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM METHOD 10200 H					
Sample Volume		400	ml	28-Feb-08 13:55	JSA

Sample No: **08023777-2** Collect Date: **27-Feb-08 10:15**
Client Id: **SURFACE WATER** Site: **PG - 8** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		30	mg/m3	28-Feb-08 13:55	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM (18) 9223B					
Fecal Coliform		4	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	U			28-Feb-08 13:10	AMG2
Total Coliform		460	mpn/100 ml	28-Feb-08 13:10	AMG2
SM (18) 9230C					
Fecal Streptococcus		20	cfu/100 ml	28-Feb-08 13:55	JSA
SM METHOD 10200 H					
Sample Volume		400	ml	28-Feb-08 13:55	JSA

Sample No: **08023777-3** Collect Date: **27-Feb-08 10:40**
Client Id: **SURFACE WATER** Site: **PG - 7** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		40	mg/m3	28-Feb-08 13:55	JSA

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Paul C. Rizzo Associates, Inc.
2055 Craigshire Road, Suite 350
St. Louis, MO 63146

Attn: Mr. Robert Halden

Date Received: 28-Feb-08
Date Reported: 21-Mar-08

Sample No: **08023777-3** Collect Date: **27-Feb-08 10:40**
Client Id: **SURFACE WATER** Site: **PG - 7** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM (18) 9223B					
Fecal Coliform		2	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	U			28-Feb-08 13:10	AMG2
Total Coliform		460	mpn/100 ml	28-Feb-08 13:10	AMG2
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM METHOD 10200 H					
Sample Volume		400	ml	28-Feb-08 13:55	JSA

Sample No: **08023777-4** Collect Date: **27-Feb-08 11:10**
Client Id: **SURFACE WATER** Site: **FB - 2** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		20	mg/m3	28-Feb-08 13:55	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	S			28-Feb-08 13:10	AMG2
Total Coliform	<	1	mpn/100 ml	28-Feb-08 13:10	AMG2
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM METHOD 10200 H					
Sample Volume		1000	ml	28-Feb-08 13:55	JSA

Sample No: **08023777-5** Collect Date: **27-Feb-08 11:15**
Client Id: **SURFACE WATER** Site: **PG - 6** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		70	mg/m3	28-Feb-08 13:55	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA

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2055 Craigshire Road, Suite 350
St. Louis, MO 63146

Attn: Mr. Robert Halden

Date Received: 28-Feb-08
Date Reported: 21-Mar-08

Sample No: **08023777-5** Collect Date: **27-Feb-08 11:15**
Client Id: **SURFACE WATER** Site: **PG - 6** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	U			28-Feb-08 13:10	AMG2
Total Coliform		490	mpn/100 ml	28-Feb-08 13:10	AMG2
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM METHOD 10200 H					
Sample Volume		400	ml	28-Feb-08 13:55	JSA

Sample No: **08023777-6** Collect Date: **27-Feb-08 11:20**
Client Id: **SURFACE WATER** Site: **DUP - 2** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		90	mg/m3	28-Feb-08 13:55	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	U			28-Feb-08 13:10	AMG2
Total Coliform		410	mpn/100 ml	28-Feb-08 13:10	AMG2
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM METHOD 10200 H					
Sample Volume		300	ml	28-Feb-08 13:55	JSA

Sample No: **08023777-7** Collect Date: **27-Feb-08 12:00**
Client Id: **SURFACE WATER** Site: **PG - 5** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		40	mg/m3	28-Feb-08 13:55	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM (18) 9223B					
Fecal Coliform		3	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	U			28-Feb-08 13:10	AMG2

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2055 Craigshire Road, Suite 350
St. Louis, MO 63146

Attn: Mr. Robert Halden

Date Received: 28-Feb-08
Date Reported: 21-Mar-08

Sample No: **08023777-7** Collect Date: **27-Feb-08 12:00**
Client Id: **SURFACE WATER** Site: **PG - 5** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 9223B					
Total Coliform		370	mpn/100 ml	28-Feb-08 13:10	AMG2
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM METHOD 10200 H					
Sample Volume		300	ml	28-Feb-08 13:55	JSA

Sample No: **08023777-8** Collect Date: **27-Feb-08 12:40**
Client Id: **SURFACE WATER** Site: **PG - 4** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		30	mg/m3	28-Feb-08 13:55	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM (18) 9223B					
Fecal Coliform		1	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	U			28-Feb-08 13:10	AMG2
Total Coliform		290	mpn/100 ml	28-Feb-08 13:10	AMG2
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM METHOD 10200 H					
Sample Volume		400	ml	28-Feb-08 13:55	JSA

Sample No: **08023777-9** Collect Date: **27-Feb-08 13:05**
Client Id: **SURFACE WATER** Site: **PG - 3** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		50	mg/m3	28-Feb-08 13:55	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	U			28-Feb-08 13:10	AMG2
Total Coliform		80	mpn/100 ml	28-Feb-08 13:10	AMG2

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2055 Craigshire Road, Suite 350
St. Louis, MO 63146

Attn: Mr. Robert Halden

Date Received: 28-Feb-08
Date Reported: 21-Mar-08

Sample No: **08023777-9** Collect Date: **27-Feb-08 13:05**
Client Id: **SURFACE WATER** Site: **PG - 3** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM METHOD 10200 H					
Sample Volume		400	ml	28-Feb-08 13:55	JSA

Sample No: **08023777-10** Collect Date: **27-Feb-08 13:20**
Client Id: **SURFACE WATER** Site: **PG - 2** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		40	mg/m3	28-Feb-08 13:55	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM (18) 9223B					
Fecal Coliform		4	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	U			28-Feb-08 13:10	AMG2
Total Coliform		220	mpn/100 ml	28-Feb-08 13:10	AMG2
SM (18) 9230C					
Fecal Streptococcus		10	cfu/100 ml	28-Feb-08 13:55	JSA
SM METHOD 10200 H					
Sample Volume		200	ml	28-Feb-08 13:55	JSA

Sample No: **08023777-11** Collect Date: **27-Feb-08 14:10**
Client Id: **SURFACE WATER** Site: **PG - 1** Locator: **AMEREN/GRAB**

		Result	Units	Date / Time	Analyst
SM (18) 10200H					
Chlorophyll a		40	mg/m3	28-Feb-08 13:55	JSA
SM (18) 9222D					
Fecal Coliform	<	10	cfu/100 ml	28-Feb-08 13:55	JSA
SM (18) 9223B					
Fecal Coliform	<	1	mpn/100 ml	28-Feb-08 13:10	AMG2
Opinion	U			28-Feb-08 13:10	AMG2
Total Coliform		350	mpn/100 ml	28-Feb-08 13:10	AMG2
SM (18) 9230C					
Fecal Streptococcus	<	10	cfu/100 ml	28-Feb-08 13:55	JSA

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Paul C. Rizzo Associates, Inc.
2055 Craigshire Road, Suite 350
St. Louis, MO 63146

Attn: Mr. Robert Halden

Date Received: 28-Feb-08
Date Reported: 21-Mar-08

Sample No: **08023777-11** Collect Date: **27-Feb-08 14:10**
Client Id: **SURFACE WATER** Site: **PG - 1** Locator: **AMEREN/GRAB**

	Result	Units	Date / Time	Analyst
SM METHOD 10200 H				
Sample Volume	200	ml	28-Feb-08 13:55	JSA

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NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17533
Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)
Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (99829443
Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)
UST Certification: Iowa (240)

Certified by: Elaine Kaufmann
Elaine Kaufmann, Project Manager.

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CHAIN OF CUSTODY RECORD

State where samples collected MO

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT) - (SAMPLE ACCEPTANCE POLICY ON REVERSE)

1 CLIENT	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED	3 ANALYSIS REQUESTED	4 (FOR LAB USE ONLY)
Paul C. Rizzo	Ameren		Fed Ex		LOGIN # 080233777-11
ADDRESS: 2055 Craigshire Rd	PHONE NUMBER	FAX NUMBER	DATE SHIPPED: 2/27/08		LOGGED BY:
CITY, STATE, ZIP: St. Louis, MO 63146	SAMPLER (PLEASE PRINT): Joseph J. Grib		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, OTHER:		LAB PROJ. #:
CONTACT PERSON: Robert Halden	SAMPLER'S SIGNATURE:				TEMPLATE:
					PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	Fecal Coliform	Total Strep	Fecal Strep	Chlorophyll	REMARKS
PG-9	2/27/08	0940	X		GW	3	X	X	X	X	
PG-8		1015	X								24 hr. holds
PG-7		1040	X								
FB-2		1110	X								
PG-6		1115	X								
Dup-2		1120	X								
PG-5		1200	X								
PG-4		1240	X								
PG-3		1305	X								
PG-2		1320	X								
PG-1		1410	X								

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH — DATE RESULTS NEEDED
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* ____

7	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	2/27/08	1730
RELINQUISHED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE)		
RECEIVED BY: (SIGNATURE)		
RECEIVED BY: (SIGNATURE)		
RECEIVED AT LAB BY: (SIGNATURE) J. Bennett	2/28/08	9:00

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 3 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT (Y OR N)
SAMPLE(S) RECEIVED ON ICE (Y OR N)
PROPER BOTTLES RECEIVED IN GOOD CONDITION (Y OR N)
BOTTLES FILLED WITH ADEQUATE VOLUME (Y OR N)
SAMPLES RECEIVED WITHIN HOLD TIME(S) (Y OR N)
(EXCLUDES TYPICAL FIELD PARAMETERS)
DATE AND TIME TAKEN FROM SAMPLE BOTTLE ____

Copies: white should accompany samples to PDC Labs. **Yellow copy to be retained by the client.**