

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

Attn: Allen Gilliam Water Div NPDES Pretreatment

(1) IDENTIFYING INFORMATION			
A. LEGAL NAME & MAILING ADDRESS: Baxter Healthcare Corporation 1900 N. Hwy. 201 Mountain Home, AR 72653		B. FACILITY & LOCATION ADDRESS: Baxter Healthcare Corporation 1900 N. Hwy. 201 Mountain Home, AR 72653	
C. FACILITY CONTACT: Carolyn Walker, Env. Representative		TELEPHONE NUMBER: 870-424-5336	
(2) REPORTING PERIOD—FISCAL YEAR From Feb. 1 to Jan. 31. (Both Semi-Annual Reports must cover Fiscal Year)			
A. MONTHS WHICH REPORTS ARE DUE:		B. PERIOD COVERED BY THIS REPORT:	
February	&	August	FROM: 08/01/2008 TO: 01/31/2009
(3) DESCRIPTION OF OPERATION:			
A. REGULATED PROCESSES <u>CORE PROCESS(ES)</u> CHECK EACH APPLICABLE BLOCK X Electroplating Electroless plating Anodizing X Coating Chemical Etching and Milling Printed Circuit Board Manufacture <u>ANCILLARY PROCESS(ES)*</u> LIST BELOW EACH PROCESS USED IN THE FACILITY Cleaning, Polishing, Grinding		B. CHANGES: SUMMARIZE ANY CHANGES IN THE REGULATED PROCESS SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.	
C. NUMBER OF REGULAR EMPOLYEEES AT THIS FACILITY: <p align="center"><u>928 Employees</u></p>		D. {RESERVED}	

(4) FLOW MEASUREMENT

INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY

Process	Average	Maximum	Type of Discharge
Regulated (Core & Anc)	1,050	1,050	Batch
Regulated (Cyanide)	NA	NA	NA
§403.6(e) Unregulated*	30,260	30,260	Batch/Continuous
§403.6(e) Dilute	NA	NA	NA
Cooling Water	48,443	48,443	Continuous
Sanitary	42,588	42,588	Continuous
Total Flow to POTW	122,344	122,344	*****

* "Unregulated" has a precise legal meaning; see 40 CFR403.6(e).

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

B. COMMENTS ON TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

X	Neutralization
X	Chemical Precipitation and Sedimentation
	Chromium Reduction
	Cyanide Destruction
	Other:
	None

C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS OF THE EFFLUENT FROM ALL REGULATED PROCESSES—CORE & ANCILLARY—(AFTER TREATMENT, IF APPLICABLE). ATTACH THE LAB ANALYSIS WHICH SHOWS A MAXIMUM, TABULATE ALL THE ANALYTICAL DATA COLLECTED DURING THE REPORT PERIOD IN THE SPACE PROVIDED BELOW. ZERO CONCENTRATIONS ARE NOT ACCEPTABLE; LIST THE DETECTION LIMIT IF CONCENTRATION WAS BELOW DETECTION LIMIT.

Pollutant(mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN*	TTO*
Max for 1 day	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Ave.	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<0.004	2.3	1.2	<0.04	1.1	<0.007	0.88	0.036	NA
Ave. Measured	<0.004	0.512	0.163	<0.04	0.26	<0.007	0.231	0.006	NA

* PROVIDE THE CONCENTRATION HERE IF NO CERTIFICATION IS PROVIDED IN SECTION 6 BELOW OR MARK N/A IF A CERTIFICATION IS PROVIDED.

Sample Location:	See Attached Sampling Plan (Attachment #1)
Sample Type (Grab or Composite):	Grab (See Sample Plan Attachment #1)
Number of Samples and Frequency Collected:	8 (12/3/2008)
40CFR136 Preservation and Analytical Methods Use:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

(6) CERTIFICATION

A. CHECK ONE CYANIDE ANALYSIS ATTACHED EPA REGION VI CYANIDE CERTIFICATION PROVIDED BELOW

Based on my inquiry of the person or persons directly responsible for managing compliance with pretreatment standards, I certify that to the best of my knowledge, cyanide has not been used or generated in our processes which are regulated by the Metal Finishing (40 CFR 433) categorical pretreatment standards since the filing of the last semi-annual compliance report.

(Typed Name)

(Corporate Officer or authorized representative)

Date of Signature:

B. CHECK ONE §433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED §433.12(a) TTO CERTIFICATION PROVIDED BELOW

Based on my inquiry of the person or persons directly responsible for managing compliance with pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last semi-annual compliance report. I further certify that this facility is implementing the toxic organic management plan submitted to Arkansas Department of Pollution Control and Ecology.

Steve Cardin, Plant Manager

(Typed Name)



(Corporate Officer or authorized representative)

Date of Signature: 02/04/09

CORPORATE ACKNOWLEDGEMENT (Optional)

State of Arkansas
County of Baxter

Before me, the undersigned authority, on this day personally appeared _____ of

_____ a corporation, known to me to be the person whose name is subscribed to the foregoing instrument(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this 25th day of February, 2002.

Notary Public in and for Baxter
County, Arkansas

(7) POLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]

§6602 [42 U.S.C. 13101 et seq.] Findings and Policy para. (b) Policy – The congress hereby declares it to be the national policy of the United States that pollution should be prevented or reduces at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.

The User may list any new or ongoing Pollution Prevention practices:

(8) GENERAL COMMENTS

The sample pulled at the "grinder wastewater" location indicated a problem with the filter unit. The filter unit was examined and it was determined that the filters had not been changed out at the frequency required to ensure adequate filtration of the grinding wastewater. Standard work was updated to include frequency to change filters and employees trained per the standard work.

Attachments included with submission:

Attachment #1	Needles Sampling Plan
Attachment #2	Needles Wastewater Flow Schematic
Attachment #3	Analytical Results

(9) SIGNATORY REQUIREMENTS [40CFR403.12(i)]

I certify under penalty of law that I have personally examined and am familiar with the information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Steve Cardin, Plant Manager

NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

SIGNATURE



2/4/09

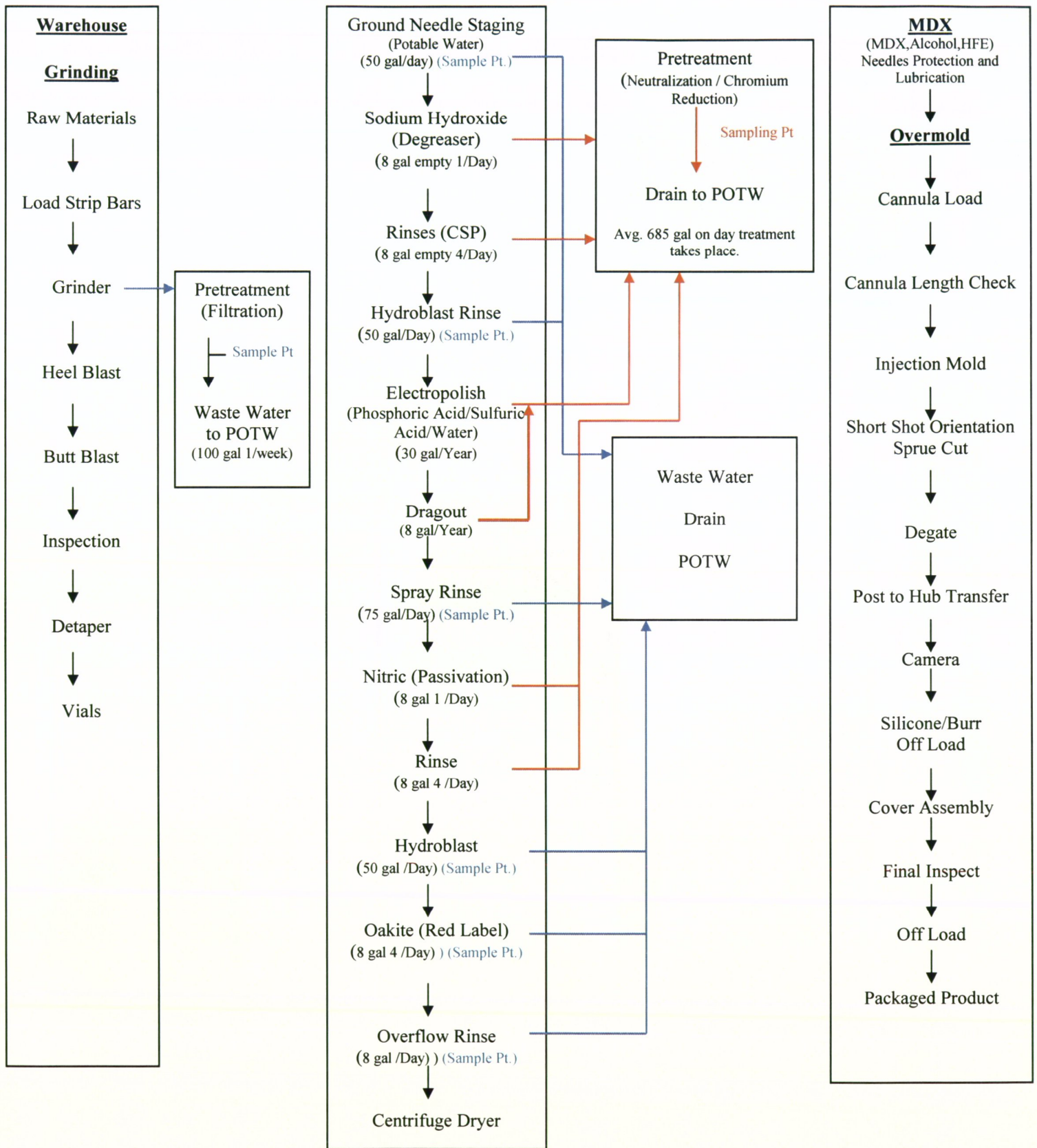
Needles Sampling Plan (40 CFR 433 Subpart A)

In accordance with 40 CFR Part 403.12(e) industrial users with processes regulated by categorical pretreatment standards (40 CFR Part 433, et al) are required to submit semi-annual reports to the ADEQ to demonstrate continued compliance when discharge from the regulated processes enter, can enter, or will enter a Publicly Owned Treatment Works (POTW). Reports are due February and August.

Sampling Plan: Sample once every 6 months. If noncompliance noted sample as needed to demonstrate compliance.

1. Sample will consist of one grab sample from pretreatment holding tank discharge point; holding tank discharge avg. 700 gal. with discharge time of 15 minutes. Pretreatment is performed on the Sodium Hydroxide bath and primary rinse water; Electropolish (Phosphoric Acid/Sulfuric Acid/Water); Nitric Acid bath and primary rinse water.
2. Sample will consist of one grab sample at the end of the batch prior to water entering drain from each separate operation: Ground Needle Staging; Hydroblast Rinse, Spray Rinse, Hydroblast Rinse, Oakite Process; Overflow rinse, filtered grinding waste water.
3. Sample effluent data to be reported semi-annually (February and August).

Needles (40CFR 433 Subpart A)



Waste Water goes directly to drain to POTW
 Sample Points at Tanks prior to entering drain →

Pretreatment prior to going to drain to POTW →

Needles Electropolish Operation

	<u>Cadmium</u>	<u>Chromium</u>	<u>Copper</u>	<u>Lead</u>	<u>Nickel</u>	<u>Silver</u>	<u>Zinc</u>	<u>Total Cyanide</u>	<u>Date Sampled</u>
Grinder Wastewater	<0.004	1.3	0.048	<0.04	0.69	<0.007	0.74	0.036	12/3/2008
Grinder Ndl Staging	<0.004	<0.007	0.016	<0.04	0.019	<0.007	0.16	<0.01	12/3/2008
Hydroblast Rinse 1	<0.004	0.33	0.024	<0.04	0.19	<0.007	0.02	<0.01	12/3/2008
Spray Rinse	<0.004	2.3	1.2	<0.04	1.1	<0.007	0.88	<0.01	12/3/2008
Hydroblast 2	<0.004	0.1	0.0068	<0.04	0.048	<0.007	0.015	<0.01	12/3/2008
Oakite Batch	<0.004	<0.007	<0.006	<0.04	<0.01	<0.007	0.019	<0.01	12/3/2008
Overflow Rinse	<0.004	<0.007	<0.006	<0.04	<0.01	<0.007	<0.002	<0.01	12/3/2008
Pretreatment Tank	<0.004	0.067	0.013	<0.04	0.029	<0.007	0.011	0.012	12/3/2008
Max Measured	<0.004	2.3	1.2	<0.04	1.1	<0.007	0.88	0.036	
Max for 1 day	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	
Avg Measured	<0.004	0.512	0.163	<0.04	0.260	<0.007	0.231	0.006	
Monthly Avg.	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	

8/1/08 - 1/31/09



Baxter Healthcare Corporation
ATTN: Ms. Carolyn Walker
1900 North Highway 201
Mountain Home, AR 72653

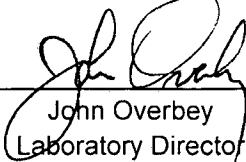
Dear Ms. Carolyn Walker:

Project Description: One (1) water sample(s) received on December 5, 2008
NPDES Monitoring
Needles Wastewater

This report is the analytical results and supporting information for the sample submitted to American Interplex Corporation (AIC) on December 5, 2008. The following results are applicable only to the sample identified by the control number referenced above. Accurate assessment of the data requires access to the entire document. Each section of the report has been reviewed and approved by the appropriate laboratory director or a qualified designee.

Data has been validated using standard quality control measures performed on at least 10% of the samples analyzed. Quality Assurance, instrumentation, maintenance and calibration were performed in accordance with guidelines established by the cited methodology.

AMERICAN INTERPLEX CORPORATION

By  By KW
John Overbey
Laboratory Director

Enclosure(s): Chain of Custody

Baxter Healthcare Corporation
1900 North Highway 201
Mountain Home, AR 72653

CASE NARRATIVE

SAMPLE RECEIPT

Received Temperature: 2°C

Receipt Verification:	Complete Chain of Custody	Y
	Sample ID on Sample Labels	Y
	Date and Time on Sample Labels	Y
	Proper Sample Containers	Y
	Within Holding Times	Y
	Adequate Sample Volume	Y
	Sample Integrity	Y
	Proper Temperature	Y
	Proper Preservative	Y

COMMENTS

There were no qualifiers for this data and all samples met quality control criteria.

References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).

"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.

"Standard Methods for the Examination of Water and Wastewaters", 20th edition, 1998.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).

"Self-Davis and Moore" (2000).

Baxter Healthcare Corporation
1900 North Highway 201
Mountain Home, AR 72653

ANALYTICAL RESULTS

AIC No. 124963-1

Sample Identification: Pretreatment Tank 12-03-08 / 09:55

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	0.012	0.01	mg/l	W27377	
Cadmium	EPA 200.7	< 0.004	0.004	mg/l	S24460	
Chromium	EPA 200.7	0.067	0.007	mg/l	S24460	
Copper	EPA 200.7	0.013	0.006	mg/l	S24460	
Lead	EPA 200.7	< 0.04	0.04	mg/l	S24460	
Nickel	EPA 200.7	0.029	0.01	mg/l	S24460	
Silver	EPA 200.7	< 0.007	0.007	mg/l	S24460	
Zinc	EPA 200.7	0.011	0.002	mg/l	S24460	



Baxter Healthcare Corporation
1900 North Highway 201
Mountain Home, AR 72653

SAMPLE PREPARATION REPORT

AIC No. 124963-1

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>Batch</u>	<u>Qualifier</u>
Total Cyanide	08DEC08 1429 285	10DEC08 1148 285		W27377	
Metals	05DEC08 1121 270	12DEC08 1610 270		S24460	

Baxter Healthcare Corporation
1900 North Highway 201
Mountain Home, AR 72653

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Cyanide	0.1 mg/l	92.9/95.8	85-115	3.07	20	W27377	
Cadmium	0.05 mg/l	97.7/97.5	85-115	0.142	20	S24460	
Chromium	0.05 mg/l	100/101	85-115	0.287	20	S24460	
Copper	0.05 mg/l	97.2/96.1	85-115	1.15	20	S24460	
Lead	0.05 mg/l	97.9/99.7	85-115	1.86	20	S24460	
Nickel	0.05 mg/l	101/100	85-115	0.542	20	S24460	
Silver	0.02 mg/l	92.9/92.5	85-115	0.417	20	S24460	
Zinc	0.05 mg/l	94.3/92.1	85-115	2.33	20	S24460	

MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Cyanide	0.1 mg/l	89.0/96.3	75-125	7.69	20	W27377	
Cadmium	0.05 mg/l	96.2/98.3	75-125	2.17	20	S24460	
Chromium	0.05 mg/l	95.7/95.1	75-125	0.612	20	S24460	
Copper	0.05 mg/l	93.5/95.3	75-125	1.76	20	S24460	
Lead	0.05 mg/l	98.3/98.5	75-125	0.178	20	S24460	
Nickel	0.05 mg/l	95.4/94.7	75-125	0.682	20	S24460	
Silver	0.02 mg/l	91.7/94.3	75-125	2.84	20	S24460	
Zinc	0.05 mg/l	95.9/83.7	75-125	7.91	20	S24460	

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Cyanide	SM4500-CN C,E	< 0.01	mg/l	0.01	0.01	W27377-1	
Cadmium	EPA 200.7	< 0.004	mg/l	0.004	0.004	S24460-1	
Chromium	EPA 200.7	< 0.007	mg/l	0.007	0.007	S24460-1	
Copper	EPA 200.7	< 0.006	mg/l	0.006	0.006	S24460-1	
Lead	EPA 200.7	< 0.04	mg/l	0.04	0.04	S24460-1	
Nickel	EPA 200.7	< 0.01	mg/l	0.01	0.01	S24460-1	
Silver	EPA 200.7	< 0.007	mg/l	0.007	0.007	S24460-1	
Zinc	EPA 200.7	< 0.002	mg/l	0.002	0.002	S24460-1	

Baxter Healthcare Corporation
1900 North Highway 201
Mountain Home, AR 72653

QUALITY CONTROL PREPARATION REPORT

LABORATORY CONTROL SAMPLES

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Cyanide	08DEC08 0838 285	10DEC08 1215 285		W27377-2	
Cyanide	08DEC08 0838 285	10DEC08 1217 285		W27377-3	
Metals	05DEC08 1121 270	05DEC08 2008 270		S24460-2	
Metals	05DEC08 1121 270	05DEC08 2013 270		S24460-3	

MATRIX SPIKE SAMPLES

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Cyanide	08DEC08 0838 285	10DEC08 1108 285		W27377-4	
Cyanide	08DEC08 0838 285	10DEC08 1110 285		W27377-5	
Metals	05DEC08 1121 270	05DEC08 2019 270		S24460-4	
Metals	05DEC08 1121 270	05DEC08 2025 270		S24460-5	

LABORATORY BLANKS

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Cyanide	08DEC08 0838 285	10DEC08 1101 285		W27377-1	
Metals	05DEC08 1121 270	05DEC08 2002 270		S24460-1	

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 1 OF 1

Client: <u>Baxter Healthcare Corp</u>		PO No.		NO OF BOTTLES	ANALYSES REQUESTED										AIC CONTROL NO: <u>124963</u>				
Project Reference: <u>Needles Wastewater</u>		SAMPLE MATRIX			WATER	SOIL	Cd	Cr	Cu	Pb	Ni	Ag	Zn	T. Cyanide	AIC PROPOSAL NO:				
Project Manager: <u>Carolyn Walker</u>		GRA B		COMP											Remarks				
Sampled By: <u>M. Finis</u>		Date/Time Collected: <u>12-3-08 09:55</u>		GRA B		COMP		WATER		SOIL		NO OF BOTTLES		Carrier: <u>vel-X</u>					
AIC No. <u>1</u>		Sample Identification: <u>Pretreatment tank</u>		GRA B		COMP		WATER		SOIL		NO OF BOTTLES		Received on Ice (4°C)? <u>YES</u> <u>2</u> NO					
Container Type		Preservative		P P P		N N B								Field pH calibration on _____ @ _____ Buffer:					
G = Glass		P = Plastic		V = VOA vials		H = HCl to pH2		T = Sodium Thiosulfate											
NO = none		S = Sulfuric acid pH2		N = Nitric acid pH2		B = NaOH to pH12		Z = Zinc acetate											
Turnaround Time Requested: (Please circle) <u>(NORMAL)</u> or EXPEDITED IN _____ DAYS				Relinquished By: <u>M. Finis</u>				Date/Time: <u>12-4-08 1135</u>				Received By: <u>[Signature]</u>				Date/Time: <u>12/4/08 12:37pm</u>			
Expedited results requested by: _____				Relinquished By: _____				Date/Time: _____				Received in Lab By: <u>Eugene Hepton</u>				Date/Time: <u>12-5-08 0830</u>			
Who should AIC contact with questions: <u>Carolyn Walker</u>				Comments:															
Phone: <u>870-424-5336</u> Fax: <u>870-424-5220</u>																			
Report Attention to: <u>Carolyn Walker</u>																			
Report Address to: <u>Baxter Healthcare Corp</u> <u>1900 N. Hwy 201</u> <u>Mtn. Home, AR 72653</u>																			



Baxter Healthcare Corporation
ATTN: Ms. Carolyn Walker
1900 North Highway 201
Mountain Home, AR 72653

Dear Ms. Carolyn Walker:

Project Description: Six (6) water sample(s) received on December 5, 2008
NPDES Monitoring
Needles Wastewater

This report is the analytical results and supporting information for the samples submitted to American Interplex Corporation (AIC) on December 5, 2008. The following results are applicable only to the samples identified by the control number referenced above. Accurate assessment of the data requires access to the entire document. Each section of the report has been reviewed and approved by the appropriate laboratory director or a qualified designee.

Data has been validated using standard quality control measures performed on at least 10% of the samples analyzed. Quality Assurance, instrumentation, maintenance and calibration were performed in accordance with guidelines established by the cited methodology.

AMERICAN INTERPLEX CORPORATION

By _____

A handwritten signature in black ink, appearing to read 'John Overbey', is written over a horizontal line. Below the line, the name 'John Overbey' and title 'Laboratory Director' are printed in a standard font.

John Overbey
Laboratory Director

Enclosure(s): Chain of Custody

Baxter Healthcare Corporation
1900 North Highway 201
Mountain Home, AR 72653

CASE NARRATIVE

SAMPLE RECEIPT

Received Temperature: 2°C

Receipt Verification:	Complete Chain of Custody	Y
	Sample ID on Sample Labels	Y
	Date and Time on Sample Labels	Y
	Proper Sample Containers	Y
	Within Holding Times	Y
	Adequate Sample Volume	Y
	Sample Integrity	Y
	Proper Temperature	Y
	Proper Preservative	Y

COMMENTS

There were no qualifiers for this data and all samples met quality control criteria.

References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).

"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.

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"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).

"Self-Davis and Moore" (2000).

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1900 North Highway 201
Mountain Home, AR 72653

ANALYTICAL RESULTS

AIC No. 124960-1

Sample Identification: Grinder Ndl Staging 12-3-08 / 10:25

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W27377	
Cadmium	EPA 200.8	< 0.004	0.004	mg/l	S24460	
Chromium	EPA 200.8	< 0.007	0.007	mg/l	S24460	
Copper	EPA 200.8	0.016	0.006	mg/l	S24460	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S24460	
Nickel	EPA 200.8	0.019	0.01	mg/l	S24460	
Silver	EPA 200.8	< 0.007	0.007	mg/l	S24460	
Zinc	EPA 200.8	0.16	0.002	mg/l	S24460	

AIC No. 124960-2

Sample Identification: Hydroblast Rinse 1 12-3-08 / 10:33

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W27377	
Cadmium	EPA 200.8	< 0.004	0.004	mg/l	S24460	
Chromium	EPA 200.8	0.33	0.007	mg/l	S24460	
Copper	EPA 200.8	0.024	0.006	mg/l	S24460	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S24460	
Nickel	EPA 200.8	0.19	0.01	mg/l	S24460	
Silver	EPA 200.8	< 0.007	0.007	mg/l	S24460	
Zinc	EPA 200.8	0.020	0.002	mg/l	S24460	

AIC No. 124960-3

Sample Identification: Spray Rinse 12-3-08 / 10:45

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W27377	
Chromium	EPA 200.7	2.3	0.007	mg/l	S24460	
Copper	EPA 200.7	1.2	0.006	mg/l	S24460	
Nickel	EPA 200.7	1.1	0.01	mg/l	S24460	
Cadmium	EPA 200.8	< 0.004	0.004	mg/l	S24460	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S24460	
Silver	EPA 200.8	< 0.007	0.007	mg/l	S24460	
Zinc	EPA 200.8	0.88	0.002	mg/l	S24460	

AIC No. 124960-4

Sample Identification: Hydroblast 2 12-3-08 / 10:53

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W27377	
Cadmium	EPA 200.8	< 0.004	0.004	mg/l	S24460	
Chromium	EPA 200.8	0.10	0.007	mg/l	S24460	
Copper	EPA 200.8	0.0068	0.006	mg/l	S24460	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S24460	
Nickel	EPA 200.8	0.048	0.01	mg/l	S24460	
Silver	EPA 200.8	< 0.007	0.007	mg/l	S24460	
Zinc	EPA 200.8	0.015	0.002	mg/l	S24460	

Baxter Healthcare Corporation
1900 North Highway 201
Mountain Home, AR 72653

ANALYTICAL RESULTS

AIC No. 124960-5

Sample Identification: Oakite Bath 12-3-08 / 10:35

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W27377	
Cadmium	EPA 200.8	< 0.004	0.004	mg/l	S24460	
Chromium	EPA 200.8	< 0.007	0.007	mg/l	S24460	
Copper	EPA 200.8	< 0.006	0.006	mg/l	S24460	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S24460	
Nickel	EPA 200.8	< 0.01	0.01	mg/l	S24460	
Silver	EPA 200.8	< 0.007	0.007	mg/l	S24460	
Zinc	EPA 200.8	0.019	0.002	mg/l	S24460	

AIC No. 124960-6

Sample Identification: Overflow Rinse 12-3-08 / 10:40

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	< 0.01	0.01	mg/l	W27377	
Zinc	EPA 200.7	< 0.002	0.002	mg/l	S24460	
Cadmium	EPA 200.8	< 0.004	0.004	mg/l	S24460	
Chromium	EPA 200.8	< 0.007	0.007	mg/l	S24460	
Copper	EPA 200.8	< 0.006	0.006	mg/l	S24460	
Lead	EPA 200.8	< 0.04	0.04	mg/l	S24460	
Nickel	EPA 200.8	< 0.01	0.01	mg/l	S24460	
Silver	EPA 200.8	< 0.007	0.007	mg/l	S24460	

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SAMPLE PREPARATION REPORT

AIC No. 124960-1	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte					
Total Cyanide	08DEC08 1142 285	10DEC08 1131 285		W27377	
Metals	05DEC08 1121 270	05DEC08 2030 270		S24460	

AIC No. 124960-2	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte					
Total Cyanide	08DEC08 1142 285	10DEC08 1133 285		W27377	
Metals	05DEC08 1121 270	10DEC08 1933 270		S24460	

AIC No. 124960-3	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte					
Total Cyanide	08DEC08 1142 285	10DEC08 1135 285		W27377	
Metals	05DEC08 1121 270	12DEC08 1357 270		S24460	
Metals	05DEC08 1121 270	10DEC08 1939 270		S24460	

AIC No. 124960-4	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte					
Total Cyanide	08DEC08 1142 285	10DEC08 1137 285		W27377	
Metals	05DEC08 1121 270	10DEC08 1944 270		S24460	

AIC No. 124960-5	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte					
Total Cyanide	08DEC08 1142 285	10DEC08 1138 285		W27377	
Metals	05DEC08 1121 270	10DEC08 1950 270		S24460	

AIC No. 124960-6	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte					
Total Cyanide	08DEC08 1142 285	10DEC08 1140 285		W27377	
Metals	05DEC08 1121 270	12DEC08 1400 270		S24460	
Metals	05DEC08 1121 270	10DEC08 1956 270		S24460	

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Cyanide	0.1 mg/l	92.9/95.8	85-115	3.07	20	W27377	
Cadmium	0.05 mg/l	97.7/97.5	85-115	0.142	20	S24460	
Chromium	0.05 mg/l	100/101	85-115	0.287	20	S24460	
Copper	0.05 mg/l	97.2/96.1	85-115	1.15	20	S24460	
Lead	0.05 mg/l	97.9/99.7	85-115	1.86	20	S24460	
Nickel	0.05 mg/l	101/100	85-115	0.542	20	S24460	
Silver	0.02 mg/l	92.9/92.5	85-115	0.417	20	S24460	
Zinc	0.05 mg/l	94.3/92.1	85-115	2.33	20	S24460	

MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Cyanide	0.1 mg/l	89.0/96.3	75-125	7.69	20	W27377	
Cadmium	0.05 mg/l	96.2/98.3	75-125	2.17	20	S24460	
Chromium	0.05 mg/l	95.7/95.1	75-125	0.612	20	S24460	
Copper	0.05 mg/l	93.5/95.3	75-125	1.76	20	S24460	
Lead	0.05 mg/l	98.3/98.5	75-125	0.178	20	S24460	
Nickel	0.05 mg/l	95.4/94.7	75-125	0.682	20	S24460	
Silver	0.02 mg/l	91.7/94.3	75-125	2.84	20	S24460	
Zinc	0.05 mg/l	95.9/83.7	75-125	7.91	20	S24460	

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Cyanide	SM4500-CN C,E	< 0.01	mg/l	0.01	0.01	W27377-1	
Cadmium	EPA 200.8	< 0.004	mg/l	0.004	0.004	S24460-1	
Chromium	EPA 200.8	< 0.007	mg/l	0.007	0.007	S24460-1	
Copper	EPA 200.8	< 0.006	mg/l	0.006	0.006	S24460-1	
Lead	EPA 200.8	< 0.04	mg/l	0.04	0.04	S24460-1	
Nickel	EPA 200.8	< 0.01	mg/l	0.01	0.01	S24460-1	
Silver	EPA 200.8	< 0.007	mg/l	0.007	0.007	S24460-1	
Zinc	EPA 200.8	< 0.002	mg/l	0.002	0.002	S24460-1	

Baxter Healthcare Corporation
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QUALITY CONTROL PREPARATION REPORT

LABORATORY CONTROL SAMPLES

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Cyanide	08DEC08 0838 285	10DEC08 1215 285		W27377-2	
Cyanide	08DEC08 0838 285	10DEC08 1217 285		W27377-3	
Metals	05DEC08 1121 270	05DEC08 2008 270		S24460-2	
Metals	05DEC08 1121 270	05DEC08 2013 270		S24460-3	

MATRIX SPIKE SAMPLES

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Cyanide	08DEC08 0838 285	10DEC08 1108 285		W27377-4	
Cyanide	08DEC08 0838 285	10DEC08 1110 285		W27377-5	
Metals	05DEC08 1121 270	05DEC08 2019 270		S24460-4	
Metals	05DEC08 1121 270	05DEC08 2025 270		S24460-5	

LABORATORY BLANKS

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Cyanide	08DEC08 0838 285	10DEC08 1101 285		W27377-1	
Metals	05DEC08 1121 270	05DEC08 2002 270		S24460-1	

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 1 OF 1

Client: <u>Baxter Healthcare Corp</u>			PO No.		NO OF BOTTLES	ANALYSES REQUESTED										AIC CONTROL NO: <u>124960</u>		
Project Reference: <u>Needles Wastewater</u>			SAMPLE MATRIX			WATER SOIL	<u>Cd, Cr, Cu</u> <u>Pb, Ni, Ag, Zn</u> <u>T. Cyanide</u>										AIC PROPOSAL NO:	
Project Manager: <u>Carolyn Walker</u>			G R A B	C O M P	W A T E R												S O I L	
Sampled By: <u>W. Quinn</u>																Received on Ice (4°C)? <u>YES</u> <u>2</u> NO		
AIC No.	Sample Identification	Date/Time Collected														Remarks		
1	Grinder and Staging	12-3-08 10:25																
2	Hydroblast Rinse 1	12-3-08 10:33																
3	Spray Rinse	12-3-08 10:45																
4	Hydroblast 2	12-3-08 10:53																
5	Dakite Bath	12-3-08 10:35																
6	Overflow Rinse	12-3-08 10:40																
Container Type			P P P										Field pH calibration on _____ @ _____					
Preservative			N N B										Buffer:					
G = Glass P = Plastic V = VOA vials H = HCl to pH2 T = Sodium Thiosulfate																		
NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate																		
Turnaround Time Requested: (Please circle) <u>NORMAL</u> or EXPEDITED IN _____ DAYS					Relinquished By: <u>W. Quinn</u>		Date/Time: <u>12-4-08 1135</u>		Received By: <u>[Signature]</u>		Date/Time: <u>11/4/2008 12:35pm</u>							
Expedited results requested by: _____					Relinquished By: _____		Date/Time: _____		Received in Lab By: <u>Legge Hampton</u>		Date/Time: <u>12-5-08 0830</u>							
Who should AIC contact with questions: <u>Carolyn Walker</u>					Comments:													
Phone: <u>870-424-5336</u> Fax: <u>870-424-5220</u>																		
Report Attention to: <u>Carolyn Walker</u>																		
Report Address to: <u>Baxter Healthcare Corp</u> <u>1900 N Hwy 201</u> <u>mtn. Home, AR 72653</u>																		



Baxter Healthcare Corporation
ATTN: Ms. Carolyn Walker
1900 North Highway 201
Mountain Home, AR 72653

Dear Ms. Carolyn Walker:

Project Description: One (1) water sample(s) received on December 5, 2008
NPDES Monitoring
Needles Wastewater

This report is the analytical results and supporting information for the sample submitted to American Interplex Corporation (AIC) on December 5, 2008. The following results are applicable only to the sample identified by the control number referenced above. Accurate assessment of the data requires access to the entire document. Each section of the report has been reviewed and approved by the appropriate laboratory director or a qualified designee.

Data has been validated using standard quality control measures performed on at least 10% of the samples analyzed. Quality Assurance, instrumentation, maintenance and calibration were performed in accordance with guidelines established by the cited methodology.

AMERICAN INTERPLEX CORPORATION

By _____

A handwritten signature in black ink, appearing to read 'John Overbey', is written over a horizontal line. Below the signature, the name 'John Overbey' and the title 'Laboratory Director' are printed in a standard font.

John Overbey
Laboratory Director

Enclosure(s): Chain of Custody

Baxter Healthcare Corporation
1900 North Highway 201
Mountain Home, AR 72653

CASE NARRATIVE

SAMPLE RECEIPT

Received Temperature: 2°C

Receipt Verification:	Complete Chain of Custody	Y
	Sample ID on Sample Labels	Y
	Date and Time on Sample Labels	Y
	Proper Sample Containers	Y
	Within Holding Times	Y
	Adequate Sample Volume	Y
	Sample Integrity	Y
	Proper Temperature	Y
	Proper Preservative	Y

COMMENTS

There were no qualifiers for this data and all samples met quality control criteria.

References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).

"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.

"Standard Methods for the Examination of Water and Wastewaters", 20th edition, 1998.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).

"Self-Davis and Moore" (2000).

Baxter Healthcare Corporation
1900 North Highway 201
Mountain Home, AR 72653

ANALYTICAL RESULTS

AIC No. 124962-1

Sample Identification: Grinder Wastewater 12-3-08 / 11:00

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	0.036	0.01	mg/l	W27377	
Cadmium	EPA 200.7	< 0.004	0.004	mg/l	S24463	
Chromium	EPA 200.7	1.3	0.007	mg/l	S24463	
Copper	EPA 200.7	0.048	0.006	mg/l	S24463	
Lead	EPA 200.7	< 0.04	0.04	mg/l	S24463	
Nickel	EPA 200.7	0.69	0.01	mg/l	S24463	
Silver	EPA 200.7	< 0.007	0.007	mg/l	S24463	
Zinc	EPA 200.7	0.74	0.002	mg/l	S24463	



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Mountain Home, AR 72653

SAMPLE PREPARATION REPORT

AIC No. 124962-1

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>Batch</u>	<u>Qualifier</u>
Total Cyanide	08DEC08 1429 285	10DEC08 1146 285		W27377	
Metals	05DEC08 1453 270	05DEC08 1719 270		S24463	

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Cyanide	0.1 mg/l	92.9/95.8	85-115	3.07	20	W27377	
Cadmium	5 mg/l	96.3/95.9	85-115	0.441	20	S24463	
Chromium	0.5 mg/l	94.4/94.0	85-115	0.471	20	S24463	
Copper	0.5 mg/l	94.6/94.4	85-115	0.213	20	S24463	
Lead	5 mg/l	102/101	85-115	0.373	20	S24463	
Nickel	0.5 mg/l	97.7/97.4	85-115	0.263	20	S24463	
Silver	0.1 mg/l	89.9/88.8	85-115	1.16	20	S24463	
Zinc	0.5 mg/l	91.7/91.6	85-115	0.0503	20	S24463	

MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Cyanide	0.1 mg/l	89.0/96.3	75-125	7.69	20	W27377	

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC	
						Sample	Qual
Cyanide	SM4500-CN C,E	< 0.01	mg/l	0.01	0.01	W27377-1	
Cadmium	EPA 200.7	< 0.004	mg/l	0.004	0.004	S24463-1	
Chromium	EPA 200.7	< 0.007	mg/l	0.007	0.007	S24463-1	
Copper	EPA 200.7	< 0.006	mg/l	0.006	0.006	S24463-1	
Lead	EPA 200.7	< 0.04	mg/l	0.04	0.04	S24463-1	
Nickel	EPA 200.7	< 0.01	mg/l	0.01	0.01	S24463-1	
Silver	EPA 200.7	< 0.007	mg/l	0.007	0.007	S24463-1	
Zinc	EPA 200.7	< 0.002	mg/l	0.002	0.002	S24463-1	

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QUALITY CONTROL PREPARATION REPORT

LABORATORY CONTROL SAMPLES

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Cyanide	08DEC08 0838 285	10DEC08 1215 285		W27377-2	
Cyanide	08DEC08 0838 285	10DEC08 1217 285		W27377-3	
Metals	05DEC08 1453 270	05DEC08 1647 270		S24463-2	
Metals	05DEC08 1453 270	05DEC08 1650 270		S24463-3	

MATRIX SPIKE SAMPLES

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Cyanide	08DEC08 0838 285	10DEC08 1108 285		W27377-4	
Cyanide	08DEC08 0838 285	10DEC08 1110 285		W27377-5	

LABORATORY BLANKS

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Cyanide	08DEC08 0838 285	10DEC08 1101 285		W27377-1	
Metals	05DEC08 1453 270	05DEC08 1643 270		S24463-1	

Baxter Healthcare Corporation
1900 North Highway 201
Mountain Home, Arkansas 72653-2497

Address Correction Requested

CERTIFIED MAIL™



7005 1820 0005 1352 9330



Baxter

FIRST CLASS MAIL

Allen R. Gilliam
ADEQ State Pretreatment Coordinator
5301 North Shore Dr
North Little Rock, AR
72118-5317

