Industrial Metal Finishing Inc.
ATTN: Mr. Brian Niswonger
Post Office Box 326
Pocahontas, AR 72455

This report contains the analytical results and supporting information for samples submitted on October 12, 2012. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Laboratory Director or a qualified designee.

John Overbey
Laboratory Director

This document has been distributed to the following:

PDF cc: Industrial Metal Finishing Inc.
ATTN: Mr. Brian Niswonger
bniswonger@indmetalfinishings.com

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Industrial Metal Finishing Inc.
Post Office Box 326
Pocahontas, AR 72455

SAMPLE INFORMATION

Project Description:
Two (2) water sample(s) received on October 12, 2012
10/12

Receipt Details:
A Chain of Custody was provided. The samples were delivered in one (1) ice chest.
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

Laboratory ID	Client Sample ID	Sampled Date/Time	Notes
161669-1	M, C 1012/1 10/10/12 3:18, 3:30	10-Oct-2012 1530	
161669-2	M, C 1012/2 10/11/12 2:43, 2:50	11-Oct-2012 1450	

Qualifiers:
X Spiking level is invalid due to the high concentration of analyte in the spiked sample

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", 21st edition.
"American Society for Testing and Materials" (ASTM).
"Association of Analytical Chemists" (AOAC).

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ANALYTICAL RESULTS

AIC No. 161669-1
Sample Identification: M, C 1012/1 10/10/12 3:18, 3:30

Analyte		Result	RL	Units	Qualifier
Total Cyanide		**< 0.01**	0.01	**mg/l**	
SM 4500-CN C,E	Prep: 12-Oct-2012 1353 by 306	Analyzed: 16-Oct-2012 1006 by 306		Batch: W41321	
Cadmium		**< 0.004**	0.004	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1625 by 270		Batch: S33302	
Chromium		**0.020**	0.007	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1625 by 270		Batch: S33302	
Copper		**0.061**	0.006	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1625 by 270		Batch: S33302	
Lead		**< 0.04**	0.04	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1625 by 270		Batch: S33302	
Nickel		**< 0.01**	0.01	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1625 by 270		Batch: S33302	
Silver		**< 0.007**	0.007	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1625 by 270		Batch: S33302	
Zinc		**0.14**	0.002	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1625 by 270		Batch: S33302	

AIC No. 161669-2
Sample Identification: M, C 1012/2 10/11/12 2:43, 2:50

Analyte		Result	RL	Units	Qualifier
Total Cyanide		**< 0.01**	0.01	**mg/l**	
SM 4500-CN C,E	Prep: 12-Oct-2012 1353 by 306	Analyzed: 16-Oct-2012 1008 by 306		Batch: W41321	
Cadmium		**< 0.004**	0.004	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1629 by 270		Batch: S33302	
Chromium		**0.11**	0.007	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1629 by 270		Batch: S33302	
Copper		**0.024**	0.006	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1629 by 270		Batch: S33302	
Lead		**< 0.04**	0.04	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1629 by 270		Batch: S33302	
Nickel		**< 0.01**	0.01	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1629 by 270		Batch: S33302	
Silver		**< 0.007**	0.007	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1629 by 270		Batch: S33302	
Zinc		**0.70**	0.002	**mg/l**	
EPA 200.8	Prep: 12-Oct-2012 1411 by 100	Analyzed: 15-Oct-2012 1629 by 270		Batch: S33302	

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	0.1 mg/l	89.0	85.0-115			W41321	12Oct12 0904 by 306	16Oct12 0943 by 306		
Cadmium	0.05 mg/l	93.1	85.0-115			S33302	12Oct12 1413 by 100	15Oct12 1050 by 305		
Chromium	0.05 mg/l	98.8	85.0-115			S33302	12Oct12 1413 by 100	15Oct12 1050 by 305		
Copper	0.05 mg/l	95.7	85.0-115			S33302	12Oct12 1413 by 100	15Oct12 1050 by 305		
Lead	0.05 mg/l	94.1	85.0-115			S33302	12Oct12 1413 by 100	15Oct12 1050 by 305		
Nickel	0.05 mg/l	94.8	85.0-115			S33302	12Oct12 1413 by 100	15Oct12 1050 by 305		
Silver	0.02 mg/l	94.8	85.0-115			S33302	12Oct12 1413 by 100	15Oct12 1050 by 305		
Zinc	0.05 mg/l	96.5	85.0-115			S33302	12Oct12 1413 by 100	15Oct12 1050 by 305		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	161638-1	0.1 mg/l	87.5	75.0-125	W41321	12Oct12 0904 by 306	16Oct12 0947 by 306		
	161638-1	0.1 mg/l	91.6	75.0-125	W41321	12Oct12 0904 by 306	16Oct12 0949 by 306		
	Relative Percent Difference:		4.54	20.0	W41321				
Cadmium	161682-1	0.05 mg/l	94.0	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1055 by 305		
	161682-1	0.05 mg/l	93.0	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1059 by 305		
	Relative Percent Difference:		1.01	20.0	S33302				
Chromium	161682-1	0.05 mg/l	98.9	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1055 by 305		
	161682-1	0.05 mg/l	99.4	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1059 by 305		
	Relative Percent Difference:		0.477	20.0	S33302				
Copper	161682-1	0.05 mg/l	-	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1055 by 305		X
	161682-1	0.05 mg/l	-	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1059 by 305		X
	Relative Percent Difference:		0.694	20.0	S33302				
Lead	161682-1	0.05 mg/l	89.2	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1055 by 305		
	161682-1	0.05 mg/l	87.7	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1059 by 305		
	Relative Percent Difference:		1.48	20.0	S33302				
Nickel	161682-1	0.05 mg/l	91.9	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1055 by 305		
	161682-1	0.05 mg/l	95.0	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1059 by 305		
	Relative Percent Difference:		0.797	20.0	S33302				
Silver	161682-1	0.02 mg/l	85.3	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1055 by 305		
	161682-1	0.02 mg/l	85.3	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1059 by 305		
	Relative Percent Difference:		0.0144	20.0	S33302				
Zinc	161682-1	0.05 mg/l	107	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1055 by 305		
	161682-1	0.05 mg/l	117	75.0-125	S33302	12Oct12 1413 by 100	15Oct12 1059 by 305		
	Relative Percent Difference:		8.19	20.0	S33302				

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LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Total Cyanide	< 0.01 mg/l	0.01	0.01	W41321-1	12Oct12 0904 by 306	16Oct12 0941 by 306	
Cadmium	< 0.004 mg/l	0.004	0.004	S33302-1	12Oct12 1413 by 100	15Oct12 1027 by 305	
Chromium	< 0.007 mg/l	0.007	0.007	S33302-1	12Oct12 1413 by 100	15Oct12 1027 by 305	
Copper	< 0.006 mg/l	0.006	0.006	S33302-1	12Oct12 1413 by 100	15Oct12 1027 by 305	
Lead	< 0.04 mg/l	0.04	0.04	S33302-1	12Oct12 1413 by 100	15Oct12 1027 by 305	
Nickel	< 0.01 mg/l	0.01	0.01	S33302-1	12Oct12 1413 by 100	15Oct12 1027 by 305	
Silver	< 0.007 mg/l	0.007	0.007	S33302-1	12Oct12 1413 by 100	15Oct12 1027 by 305	
Zinc	< 0.002 mg/l	0.002	0.002	S33302-1	12Oct12 1413 by 100	15Oct12 1027 by 305	

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CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: Industrial Metal Finishing
Project Reference: 10/12
Project Manager: Brian Niswonger
Sampled By: Brian Niswonger
PO No.:

AIC No.	Sample Identification	Date/Time Collected	GRAB	COMP	Sample Matrix: WATER	Sample Matrix: SOIL		No of BOTTLES	Analyses Requested: METALS	Analyses Requested: CYANIDE		Analyses Requested: METALS	Analyses Requested: CYANIDE	Remarks
1	M 1012/1	10/10/12 3:18		X	X			1	X					
1	C 1012/1	10/10/12 3:30		X	X			1		X				
2	M 1012/2 ~~2463~~	10-11-12 2:45		X	X			1				X		
2	C 1012/2	10-11-12 2:50		X	X			1					X	
		Container Type							P	P		P	P	
		Preservative							N	B		N	B	

AIC Control No: 161669
AIC Proposal No:
Carrier: UPS
Received Temperature °C: 2
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)
(NORMAL) or EXPEDITED IN ____ DAYS
Expedited results requested by: _____
Who should AIC contact with questions: _____
Phone: 870-328-1977 Fax: _____
Report Attention to: Brian Niswonger
Report Address to:
bniswonger@indmetalfinishings.com

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10-11-12 3:20	[signature]	10/11/12 3:21 pm
Relinquished By:	Date/Time	Received in Lab By: Eugene Hylton	Date/Time 10-12-12 1000

Comments: Samples were taken every 2 hrs during an 8 hr work period

12398 2402 039264 9614