



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

17 May, 2004

Steve Prazak
City of Bend, WWCP
575 NE 15th
Bend, OR 97701

RE: UDWC Deschutes River Metals

Enclosed are the results of analyses for samples received by the laboratory on 05/11/04 13:23. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Teresa Mireles
Client Services

Work Orders included in this report:
C405034



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City of Bend, WWCP
575 NE 15th
Bend, OR 97701

Project: UDWC Deschutes River Metals
Project Number: LB0402
Project Manager: Steve Prazak

Reported:
05/17/04 15:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ISCO Equipment Blank	C405034-01	Water	05/11/04 10:45	05/11/04 13:23
Deschutes River Foot Bridge	C405034-02	Water	05/11/04 12:45	05/11/04 13:23

North Creek Analytical - Bend

Teresa Mireles, Client Services

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Environmental Laboratory Network

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Reported:
05/17/04 15:01

Total Metals per EPA 200 Series Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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ISCO Equipment Blank (C405034-01) Water

Sampled: 05/11/04 Received: 05/11/04

Copper	ND	0.00200	mg/l	1	EPA 200.8	05/13/04	05/13/04	4050468	
Lead	ND	0.00100	"	"	"	"	"	"	
Zinc	ND	0.00500	"	"	"	"	"	"	

Deschutes River Foot Bridge (C405034-02) Water

Sampled: 05/11/04 Received: 05/11/04

Copper	ND	0.00200	mg/l	1	EPA 200.8	05/13/04	05/13/04	4050468	
Lead	ND	0.00100	"	"	"	"	"	"	
Zinc	ND	0.00500	"	"	"	"	"	"	

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Project: UDWC Deschutes River Metals
Project Number: LB0402
Project Manager: Steve Prazak

Reported:
05/17/04 15:01

Total Metals per EPA 200 Series Methods - Quality Control

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4050468 - EPA 200/3005

Blank (4050468-BLK1)

Prepared & Analyzed: 05/13/04

Copper	ND	0.00200	mg/l							
Lead	ND	0.00100	"							
Zinc	ND	0.00500	"							

LCS (4050468-BS1)

Prepared & Analyzed: 05/13/04

Copper	0.0925	0.00200	mg/l	0.100		92.5	85-115			
Lead	0.0925	0.00100	"	0.100		92.5	85-115			
Zinc	0.0926	0.00500	"	0.100		92.6	85-115			

LCS Dup (4050468-BSD1)

Prepared & Analyzed: 05/13/04

Copper	0.0935	0.00200	mg/l	0.100		93.5	85-115	1.08	20	
Lead	0.0937	0.00100	"	0.100		93.7	85-115	1.29	20	
Zinc	0.0938	0.00500	"	0.100		93.8	85-115	1.29	20	

Duplicate (4050468-DUP1)

Source: P4E0351-01

Prepared & Analyzed: 05/13/04

Copper	0.0442	0.00200	mg/l		0.0441			0.226	20	
Lead	0.00676	0.00100	"		0.00673			0.445	20	
Zinc	0.413	0.00500	"		0.415			0.483	20	

Matrix Spike (4050468-MS1)

Source: P4E0351-02

Prepared & Analyzed: 05/13/04

Copper	0.149	0.00200	mg/l	0.100	0.0540	95.0	70-130			
Lead	0.0939	0.00100	"	0.100	0.000340	93.6	70-130			
Zinc	0.147	0.00500	"	0.100	0.0534	93.6	70-130			

Matrix Spike (4050468-MS2)

Source: P4E0351-03

Prepared: 05/13/04 Analyzed: 05/14/04

Copper	0.0761	0.00200	mg/l	0.100	0.0524	23.7	70-130			Q-01
Lead	0.0200	0.00100	"	0.100	0.000130	19.9	70-130			Q-01
Zinc	0.0756	0.00500	"	0.100	0.0498	25.8	70-130			Q-01

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05/17/04 15:01

Notes and Definitions

Q-01 The matrix spike recovery, and/or RPD, for this QC sample is outside of established control limits. Failure of a matrix spike QC sample does not represent an out-of-control condition for the batch.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			Data included from: x:\TransferIn\C405034 TRANSFER NCAP 05 17 04 1421.mdb
4050468-MS2	Cu Total ICPMS 200.8	Copper	Q-01
4050468-MS2	Cu Total ICPMS 200.8	Copper	Exceeds lower control limit
4050468-MS2	Pb Total ICPMS 200.8	Lead	Q-01
4050468-MS2	Pb Total ICPMS 200.8	Lead	Exceeds lower control limit
4050468-MS2	Zn Total ICPMS 200.8	Zinc	Q-01
4050468-MS2	Zn Total ICPMS 200.8	Zinc	Exceeds lower control limit