



Pyxis Laboratories

Pyxis Laboratories

12423 NE Whitaker Way

Portland, OR 97230

503-254-1794

Job Number: 2092526
Report Date: 10/11/2012
ORELAP #: OR100028
Purchase Order:
Project Name:
Project No:

Cover Letter

Jim Dennis or Wylesha Wilcox
US Army Corps of Engineers
PO Box 564
THE DALLES, OR 97058

Dear Jim Dennis or Wylesha Wilcox,

Enclosed please find Pyxis Laboratories analytical report for samples received as order number 2092526 on 09/25/2012. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAC and the Pyxis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.

Thank you for allowing Pyxis to be of service to you, we appreciate your business.

Sincerely,

Signed

Richard Reid



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Sample Results

Sample: 9202012-1A		Collected: 09/20/12 10:30	Temp: 13 C					Matrix: General Water
Lab ID: 53916		Received: 09/25/12 14:05	Evidence of Cooling:Y					
Analyte	Result	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8								
Zinc	0.0127	mg/L	0.01	2	15112-10	09/26/12 05:32	10/08/12 15:10	
Sample: 9202012-2B		Collected: 09/20/12 10:35	Temp: 13 C					Matrix: General Water
Lab ID: 53917		Received: 09/25/12 14:05	Evidence of Cooling:Y					
Analyte	Result	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8								
Zinc	0.0113	mg/L	0.01	2	15112-11	09/26/12 05:32	10/08/12 15:16	
Sample: 9202012-3A		Collected: 09/20/12 10:40	Temp: 13 C					Matrix: General Water
Lab ID: 53918		Received: 09/25/12 14:05	Evidence of Cooling:Y					
Analyte	Result	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8								
Zinc	0.0123	mg/L	0.01	2	15112-12	09/26/12 05:32	10/08/12 15:22	
Sample: 9202012-4B		Collected: 09/20/12 10:45	Temp: 13 C					Matrix: General Water
Lab ID: 53919		Received: 09/25/12 14:05	Evidence of Cooling:Y					
Analyte	Result	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8								
Zinc	0.0135	mg/L	0.01	2	15112-13	09/26/12 05:32	10/08/12 15:29	
Sample: 9202012-5A		Collected: 09/20/12 11:10	Temp: 13 C					Matrix: General Water
Lab ID: 53920		Received: 09/25/12 14:05	Evidence of Cooling:Y					
Analyte	Result	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8								
Zinc	ND	mg/L	0.01	2	15112-14	09/26/12 05:32	10/08/12 15:35	
Sample: 9202012-6B		Collected: 09/20/12 11:15	Temp: 13 C					Matrix: General Water
Lab ID: 53921		Received: 09/25/12 14:05	Evidence of Cooling:Y					

Analyte	Result	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8								
Zinc	0.0124	mg/L	0.01	2	15112-15	09/26/12 05:32	10/08/12 15:41	

Laboratory Quality Control Results

EPA 200.8

QC - Initial Calibration Verif. -

Batch ID: 15112-9

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Zinc	0.00988	0.0100	mg/L	99 %	90-110	---	---	

QC - Continuing Calibration Verif. - A

Batch ID: 15112-24

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Zinc	0.0195	0.0200	mg/L	97 %	85-115	---	---	

QC - Initial Calibration Blank -

Batch ID: 15112-6

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Zinc	ND		mg/L	---	---	---	---	

QC - Laboratory Control Sample - Prep Batch: 841

Batch ID: 15112-8

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Zinc	0.210	0.200	mg/L	105 %	85-115	---	---	

QC - Method Blank - Prep Batch: 841

Batch ID: 15112-7

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Zinc	ND		mg/L	---	---	---	---	

QC - Matrix Spike - of Sample 15112 - 18 Prep Batch: 844

Batch ID: 15112-19

Analyte	Result	Org.Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Zinc	0.702	0.407	0.333	mg/L	89 %	70-130	---	---	

QC - Matrix Spike Duplicate - of Sample 15112 - 18 Prep Batch: 844

Batch ID: 15112-20

Analyte	Result	Org.Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Zinc	0.708	0.407	0.333	mg/L	90 %	70-130	1	20	

Abbreviations

MRL Method Reporting Limit

ND None Detected at or above the MRL

RPD Relative Percent Difference

Units of Measure:

mg/L Milligrams Per Liter

Notes Reported:

Surrogate recovery outside the QC limits will be flagged as such.



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Chain of Custody



PYXIS LABORATORIES, LLC

CHAIN OF CUSTODY RECORD

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
Phone: (503)254-1794 Fax: (503)254-1452

CENTRAL OREGON BRANCH
2392 S. Hwy 97, Suite B
Redmond, OR 97756
Phone: (541)548-0972 Fax: (541)548-6345

EASTERN OREGON BRANCH
615 SW Frazer
Pendleton, OR 97801
Phone: (541)276-6640 Fax: (541)276-6725

Company: USACE - The Dalles Dam
Contact: Jim Dennis
Address: _____
Phone: (541) 298-7415 Fax: (541) 298-7411
Billing (if different): _____

Purchase Order Number: 22588367VVP
Project Number: _____
Project Name: _____
 Report Instructions:
 State Compliance Format
 Fax Preliminary Results
 Fax Final Results
 Verbal Results:
Other: _____

Sample ID	Date/Time Collected	Analysis Requested	Received By:	Date	Time	Relinquished By:	Date	Time	Matrix	Comments	ID	Loc	# Btls	
9202012-1A	9-20-12 10:30	N-2C 9 7 0 1 MRL 9 7 0 1	<i>[Signature]</i>	9/20/12	2:05pm	<i>[Signature]</i>	9/20/12	1405	N/A					
9202012-2B	10:35													X
9202012-3A	10:40													X
9202012-4B	10:45													X
9202012-5A	11:10													X
9202012-6B	11:15													X

Collected By: Client

Standard
 Priority (1.5 Times Standard)
 Rush (2 Times Standard)
 Emergency (3 Times Standard)

Ask About Availability

Relinquished By: [Signature] Date: 9/20/12 Time: 2:05pm

Received By: [Signature] Date: 9/20/12 Time: 1405

Laboratory Use Only:
Custabber: [Signature]
Job Number: 2092526
 Proper Container
 Sample Condition
 Temperature \pm 2°C 13°C
 Shipped Via: _____
 Cash/Check/CC/Net 30/ _____

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PYXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM.

cooling