

Job Number: 52436
Report Date: 07/14/2010
ORELAP #: OR100028
Purchase Order:
Project Name:
Project No:



Pyxis Laboratories
12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Cover Letter

Roger Cherry
SWR Corporation
20234 NE 194th Ave.
BATTLE GROUND, WA, 98604

Dear Roger Cherry,

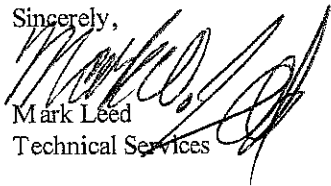
Enclosed please find Pyxis Laboratories analytical report for order number 52436. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

The samples listed on the following pages were received at the Portland branch of Pyxis Laboratories on 05/24/2010 as order 52436.

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,


Mark Léed
Technical Services

Sincerely,

Linda Bangs
Quality Services

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Sample Results

SWR One (Liquid)	Result	Collected: Not supplied				By: Client		Matrix: Other		
		Analyte	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method
Arsenic	0.21	mg/L	0.1	20	4568-17	05/27/10 12:00	06/08/10 15:16	CCV	EPA 6020	
Cadmium	ND	mg/L	0.04	20	4568-17	05/27/10 12:00	06/08/10 15:16	CCV	EPA 6020	
Chromium	0.2	mg/L	0.2	20	4568-17	05/27/10 12:00	06/08/10 15:16	CCV	EPA 6020	
Copper	ND	mg/L	0.2	20	4568-17	05/27/10 12:00	06/08/10 15:16	CCV	EPA 6020	
Lead	ND	mg/L	0.04	20	4568-17	05/27/10 12:00	06/08/10 15:16	CCV	EPA 6020	
Nickel	ND	mg/L	0.1	20	4568-17	05/27/10 12:00	06/08/10 15:16	CCV	EPA 6020	
Zinc	ND	mg/L	1	20	4568-17	05/27/10 12:00	06/08/10 15:16	CCV	EPA 6020	
Flash Point	>150	øF	2	1	4558-1		06/04/10 14:43	ML2	EPA 1020	
Mercury	ND	mg/L	0.002	1	4456-3		06/01/10 09:11	MGH	EPA 7470	
Total Cyanide	ND	mg/L	0.02	1	4444-3	05/26/10 20:56	05/26/10 20:56	MGH	EPA 335.2	

Laboratory Quality Control Results

EPA 7470

QC - Initial Calibration Blank

Batch ID: 4456-1

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Mercury	ND	ND	mg/L	--	--	--	--	

QC - Initial Calibration Verif. - Standard: S0030634

Batch ID: 4456-2

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Mercury	0.91	1	mg/L	91	80-120	--	--	

QC - Continuing Calibration Blank

Batch ID: 4456-6

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Mercury	ND	ND	mg/L	--	--	--	--	

QC - Continuing Calibration Verif. - Standard: S0030634

Batch ID: 4456-7

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Mercury	0.98	1	mg/L	98	80-120	--	--	

EPA 1020

No applicable QC data was found in batch 4558 for the listed samples.

EPA 335.2

QC - Initial Calibration Blank

Batch ID: 4444-1

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Total Cyanide	ND	ND	mg/L	--	--	--	--	

QC - Initial Calibration Verif. - Standard: S9060364

Batch ID: 4444-2

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Total Cyanide	960	1000	mg/L	95	85-115	--	--	

QC - Continuing Calibration Blank

Batch ID: 4444-8

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Total Cyanide	ND	ND	mg/L	--	--	--	--	

QC - Continuing Calibration Verif. - Standard: S9060364

Batch ID: 4444-9

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Total Cyanide	1000	1000	mg/L	104	85-115	--	--	

EPA 6020

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QC - Initial Calibration Verif. - Standard: S940155

Batch ID: 4568-1

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Arsenic	11	10	mg/L	105	90-110	--	--	
Chromium	10	10	mg/L	104	90-110	--	--	
Copper	10	10	mg/L	103	90-110	--	--	
Lead	10	10	mg/L	103	90-110	--	--	
Nickel	11	10	mg/L	106	90-110	--	--	
Zinc	10	10	mg/L	104	90-110	--	--	

QC - Initial Calibration Blank

Batch ID: 4568-2

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Arsenic	ND	ND	mg/L	--	--	--	--	
Cadmium	ND	ND	mg/L	--	--	--	--	
Chromium	ND	ND	mg/L	--	--	--	--	
Copper	ND	ND	mg/L	--	--	--	--	
Lead	ND	ND	mg/L	--	--	--	--	
Nickel	ND	ND	mg/L	--	--	--	--	
Zinc	ND	ND	mg/L	--	--	--	--	

QC - Method Blank

Batch ID: 4568-3

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Arsenic	ND	ND	mg/L	--	--	--	--	
Cadmium	ND	ND	mg/L	--	--	--	--	
Chromium	ND	ND	mg/L	--	--	--	--	
Copper	ND	ND	mg/L	--	--	--	--	
Lead	ND	ND	mg/L	--	--	--	--	
Nickel	ND	ND	mg/L	--	--	--	--	
Zinc	ND	ND	mg/L	--	--	--	--	

QC - Laboratory Control Sample - Standard: S0010608

Batch ID: 4568-4

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Arsenic	0.21	0.2	mg/L	107	80-120	--	--	
Cadmium	0.21	0.2	mg/L	104	80-120	--	--	
Chromium	0.21	0.2	mg/L	105	80-120	--	--	
Copper	0.2	0.2	mg/L	102	80-120	--	--	
Lead	0.2	0.2	mg/L	102	80-120	--	--	
Nickel	0.21	0.2	mg/L	104	80-120	--	--	
Zinc	0.21	0.2	mg/L	105	80-120	--	--	

QC - Continuing Calibration Verif. - Standard: S0010608

Batch ID: 4568-15

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Arsenic	100	100	mg/L	100	90-110	--	--	
Cadmium	100	100	mg/L	100	90-110	--	--	
Chromium	100	100	mg/L	99	90-110	--	--	
Copper	98	100	mg/L	98	90-110	--	--	
Lead	100	100	mg/L	99	90-110	--	--	
Nickel	98	100	mg/L	97	90-110	--	--	
Zinc	99	100	mg/L	99	90-110	--	--	

QC - Continuing Calibration Blank

Batch ID: 4568-16

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Arsenic	ND	ND	mg/L	--	--	--	--	
Cadmium	ND	ND	mg/L	--	--	--	--	
Chromium	ND	ND	mg/L	--	--	--	--	
Copper	ND	ND	mg/L	--	--	--	--	
Lead	ND	ND	mg/L	--	--	--	--	
Nickel	ND	ND	mg/L	--	--	--	--	
Zinc	ND	ND	mg/L	--	--	--	--	

Abbreviations

MRL Method Reporting Limit
 ND None Detected at or above the MRL
 RPD Relative Percent Difference

Units of Measure:

øF Fahrenheit



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mg/L Milligrams Per Liter

Notes:

NOTE: EPA Method 1020 for Flash Point analysis is identical to ASTM-D 3278-89, "Standard Test Method for Flash Point of Liquids by Setflash Closed-Cup apparatus".