

# PIXIS Labs

Accurate. Reliable. On Time.

**Pixis Labs**

12423 NE Whitaker Way

Portland, OR 97230

503-254-1794

**Job Number:** 4073100

**Report Date:** 08/08/2014

**ORELAP #:** OR100028

**Project Name:** PWSID 4190590

**Project No:** SIA L/C

## Cover Letter

Tom Weaver  
Sauvie Island School  
33589 SE High School Way  
Scappoose, OR 97056

Dear Tom Weaver,

Enclosed please find Pixis Labs analytical report for samples received as order number 4073100 on 07/31/2014. 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 NELAP and the Pixis 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 Pixis to be of service to you, we appreciate your business.

Sincerely,

Signed  
Richard Reid  
Project Manager

## Sample Results

Sample: Room 3 Lab ID: 79357		Collected: 07/31/14 07:58 Received: 07/31/14 09:19		Temp: 25 C Evidence of Cooling:N		Matrix: Drinking Water			
Analyte	Result	Limit	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8									
Copper	0.0951	1.3	mg/L	0.005	5	21997-13		08/07/14 14:12	
Lead	0.00307	0.015	mg/L	0.001	5	21997-13		08/07/14 14:12	
Sample: Room 1 Lab ID: 79358		Collected: 07/31/14 08:02 Received: 07/31/14 09:19		Temp: 25 C Evidence of Cooling:N		Matrix: Drinking Water			
Analyte	Result	Limit	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8									
Copper	0.0972	1.3	mg/L	0.005	5	21997-14		08/07/14 14:15	
Lead	0.00208	0.015	mg/L	0.001	5	21997-14		08/07/14 14:15	
Sample: Room 4 Lab ID: 79359		Collected: 07/31/14 08:06 Received: 07/31/14 09:19		Temp: 25 C Evidence of Cooling:N		Matrix: Drinking Water			
Analyte	Result	Limit	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8									
Copper	0.363	1.3	mg/L	0.005	5	21997-15		08/07/14 14:18	
Lead	0.00265	0.015	mg/L	0.001	5	21997-15		08/07/14 14:18	
Sample: Room 6 Lab ID: 79360		Collected: 07/31/14 08:08 Received: 07/31/14 09:19		Temp: 25 C Evidence of Cooling:N		Matrix: Drinking Water			
Analyte	Result	Limit	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8									
Copper	0.447	1.3	mg/L	0.005	5	21997-16		08/07/14 14:22	
Lead	0.00154	0.015	mg/L	0.001	5	21997-16		08/07/14 14:22	
Sample: Teachers' Lounge Lab ID: 79361		Collected: 07/31/14 08:10 Received: 07/31/14 09:19		Temp: 25 C Evidence of Cooling:N		Matrix: Drinking Water			
Analyte	Result	Limit	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 200.8									
Copper	0.0983	1.3	mg/L	0.005	5	21997-17		08/07/14 14:25	
Lead	0.00103	0.015	mg/L	0.001	5	21997-17		08/07/14 14:25	

## Laboratory Quality Control Results

### EPA 200.8

#### QC - Initial Calibration Verif. -

Batch ID: 21997-5

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Copper	0.0103	0.0100	mg/L	102 %	90-110	---	---	
Lead	0.0103	0.0100	mg/L	103 %	90-110	---	---	

#### QC - Continuing Calibration Verif. - A

Batch ID: 21997-20

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Copper	0.0201	0.0200	mg/L	101 %	85-115	---	---	
Lead	0.0203	0.0200	mg/L	102 %	85-115	---	---	

#### QC - Initial Calibration Blank -

Batch ID: 21997-6

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

**QC - Laboratory Control Sample -**

Batch ID: 21997-11

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Copper	0.102	0.100	mg/L	102 %	85-115	---	---	
Lead	0.106	0.100	mg/L	106 %	85-115	---	---	

**QC - Method Blank -**

Batch ID: 21997-10

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

**QC - Matrix Spike - of Sample 21997 - 17**

Batch ID: 21997-19

Analyte	Result	Org.Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Copper	0.146	0.0983	0.0500	mg/L	96 %	70-130	---	---	
Lead	0.0515	0.00103	0.0500	mg/L	101 %	70-130	---	---	

**QC - Sample Duplicate - of Sample 21997 - 17**

Batch ID: 21997-18

Analyte	Result	Org.Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Copper	0.0985	0.0983		mg/L	---	---	0	20	
Lead	0.00104	0.00103		mg/L	---	---	1	20	

**Abbreviations**

MRL Method Reporting Limit

ND None Detected at or above the MRL

RPD Relative Percent Difference

Limit Maximum Contamination Level (Limit) - The water is considered safe for drinking if the analytical results are below this federal recommended action level.

**Units of Measure:**

mg/L Milligrams Per Liter



# PYXIS LABORATORIES, LLC

## CHAIN OF CUSTODY RECORD

Please inform us if you know or suspect that your sample contains hazardous chemicals.

Some or all of these analyses may be subcontracted to an ORELAP accredited laboratory.

12423 NE Whittaker Way  
Portland, OR 97230  
Phone: (503) 254-1794 Fax: (503) 254-1452  
http://www.pyxislab.com/

Company: Scappoose School District IS  
Contact: IDM DEAUER  
Address: 33584 SE High School Way  
Scappoose, OR 97056  
Phone: (503) 987-7848 Fax: (503) 513-7011  
Billing (if different):

### Analysis Requested

LEAD/COPPER	

Field ID	Date/Time Collected
ROOM 3	7/31/14 7:58am
ROOM 1	7/31/14 8:02am
ROOM 4	7/31/14 8:08am
ROOM 5	7/31/14 8:08am
Teachers Lounge	7/31/14 8:10am

Collected By:	Relinquished By:	Date	Time	Received By:	Date	Time	Matrix	Comments	#Cor
<u>Idm Deauer</u>	<u>Idm Deauer</u>	<u>7/31/14</u>	<u>9:19</u>	<u>[Signature]</u>	<u>7/31/14</u>	<u>0819</u>	<u>DL</u>		

Purchase Order Number: PMSID 4190580  
Project Number: SIA LLC  
Project Name: SIA LLC  
Report Instructions:  State Compliance Format  Preliminary Final Results  Fax Final Results  Cash/Check/CC/Net 30  
Other:    
Laboratory Use Only:  
Client Alias: Sauvie Scho  
Job Number: 4073100  
 Proper Container  Sample Condition  Temperature 4± 2°C  Slipped Via: 250C  
Evidence of cooling:  Yes  No

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.



**Pixis Labs**  
12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794

**Job Number:** 5070663  
**Report Date:** 07/17/2015  
**ORELAP #:** OR100028  
**Purchase Order:**  
**Project Name:**  
**Project No:** IOC - 2015

### **Cover Letter**

Tom Weaver  
Sauvie Island School  
33589 SE High School Way  
Scappoose, OR, 97056

Dear Tom Weaver,

Enclosed please find Pixis Labs analytical report for order number 5070663. 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 Pixis Labs on 07/06/2015 as order 5070663.

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis 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 Pixis to be of service to you, we appreciate your business.

Sincerely,

**Signed on 07/17/2015**

Richard Reid  
Project Manager

PWS ID #: 4190590		Entry Point or Source ID: EP-A		Source name(s): EP for WELL			
Water System: Sauvie Island School							
Address: 33589 SE High School Way							
City, State, Zip: Scappoose, OR, 97056							
Sample Identification							
Sampled at: Kitchen Hose Bib			Sampled by: KKF				
Date Collected: 07/06/2015			Time Collected: 11:20 AM				
Date received: 07/06/2015			Date analyzed: <i>See Below</i>				
Sample:	Raw or Treated Water	Source or Distribution System	Single or Combined				
Lab sample ID #: 5070663-1			Composite Sample:				
<b>Inorganic Chemicals</b>							
Contaminant	Code	MCL mg/L	Analysis mg/L	LRL	Method	Analyst	Date / Time
Antimony	1074	0.006	ND	0.0005	EPA 200.8	CCV	07/10/2015 01:45 PM
Arsenic	1005	0.01	0.0031	0.0005	EPA 200.8	CCV	07/10/2015 01:45 PM
Asbestos	1094	---	---	---	---	---	---
Barium	1010	2	0.0190	0.0002	EPA 200.8	CCV	07/10/2015 01:45 PM
Beryllium	1075	0.004	ND	0.0002	EPA 200.8	CCV	07/10/2015 01:45 PM
Cadmium	1015	0.005	ND	0.0002	EPA 200.8	CCV	07/10/2015 01:45 PM
Chromium	1020	0.1	ND	0.005	EPA 200.8	CCV	07/10/2015 01:45 PM
Total Cyanide	1024	0.2	ND	0.02	SM 4500-CN C/E	CCV	07/08/2015 04:00 PM
Fluoride	1025	4	0.100	0.1	EPA 300.0	EN	07/07/2015 11:37 AM
Lead	1030	---	---	---	---	---	---
Mercury	1035	0.002	ND	0.0002	EPA 200.8Hg	CCV	07/15/2015 06:35 PM
Nickel	1036	0.1	ND	0.005	EPA 200.8	CCV	07/10/2015 01:45 PM
Nitrate	1040	10	3.81	0.05	EPA 300.0	EN	07/07/2015 11:37 AM
Nitrate-Nitrite	1038	---	---	---	---	---	---
Nitrite	1041	1	ND	0.01	EPA 300.0	EN	07/07/2015 11:37 AM
Selenium	1045	0.05	ND	0.005	EPA 200.8	CCV	07/10/2015 01:45 PM
Sodium <sup>2</sup>	1052	200	11.9	5	EPA200.7	CCV	07/08/2015 06:18 PM
Thallium	1085	0.002	ND	0.0002	EPA 200.8	CCV	07/10/2015 01:45 PM

Laboratory ID: OR100028



State of Oregon - Drinking Water Program  
Microbiological Analysis (Coliform) Reporting Form for Public Water Supplies (v3.2)

Sample collected per SOP #132

**PWS#** 4190590  
**PWS Name:** Sauvie Island School  
**City, County:** Portland, Multnomah  
**Phone:** 503-543-5656 **Fax:** 543-7011

Return address for report:  
**Name:** Tom Weaver  
**Address:** 33589 SE High School Way  
**City, State, Zip:** Scappoose, OR 97056

**ORELAP#:** OR100028  
**Lab Name:** Pixis Labs, LLC  
**Address:** 12423 NE Whitaker Wy, PDX, 97230  
**Phone/Fax:** 503-254-1794/503-254-1452

**Bottle#:** MK010  
 Results do not meet NELAC Standards-See page 2  
**Lab Sample ID#:** 5070663

**Sample Collected Date/Time:** 07/06/2015 11:20  
MM/DD/YYYY Hour:Min

**Collected By:** KWF

AM  PM **Chlorinated:**  No  Yes  
**Free Chlorine:** 0.04 mg/L

**DISTRIBUTION** Sample Type:  Routine  \*Repeat  Temporary Routine  Special

\*Date of Initial Positive: MM/DD/YYYY \*Original Positive ID#:  
**Address:** 14445 NW Charlton Rd. **Sampled at (ex. "SINK"):** TL, SOG, VOL, AC @ KITCHEN HASE BIRD

**SOURCE** Sample Type:  \*Triggered  \*Confirmation  Assessment  Special

\*Date of Initial Positive: MM/DD/YYYY \*Original Positive ID#:  
**Source ID:** SRC- **Source name (ex. "WELL #1"):**

**LAB USE ONLY**

**Sample Received Date/Time:** 07/06/2015 15:58  
MM/DD/YYYY Hour:Min

AM  PM **Initials:** KWF **Temp:** 9.7 °C  
**Evidence of cooling?**  Yes  No

**Analysis Start Date/Time:** MM/DD/YYYY Hour:Min  AM  PM **Initials:**

**ORELAP Method(s):**  Colilert®  Colilert-18®  Colisure®  Chromocult®  Colliscan®  Readycult®  
Check all that apply.  SM 9221 B (MTF) +  E or  F  SM 19<sup>th</sup> Ed.  SM 20<sup>th</sup> Ed.  SM 21<sup>st</sup> Ed.  
 SM 9221 D (P-A M) +  E or  F  
 SM 9222 B (MF) +  9221E or  9221F or  9222G  
 SM 9223  ColiTag®  MI agar  m-ColiBlue®  Other:

<b>Test Results:</b>	<b>Analysis Complete Date/Time:</b> <small>MM/DD/YYYY Hour:Min</small> <input type="checkbox"/> AM <input type="checkbox"/> PM
<b>Total Coliforms:</b> <input type="checkbox"/> Present <input type="checkbox"/> Absent	<b>Analyst:</b>
<b>E. Coll:</b> <input type="checkbox"/> Present <input type="checkbox"/> Absent	<b>Review by:</b> <small>MM/DD/YYYY</small>

**Reported By:** **Report Date:** MM/DD/YYYY

**Sample Invalidation:**

Over 30 hours  
 Leak  
 Heavy non-coliform growth  
 Other

DHS USE ONLY

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAC unless otherwise noted. This report shall not be reproduced except in full, without written consent of this laboratory. Send results to DHS-DWP P.O. Box 14350, Portland, OR 97293-0350