



March 25, 2010

Mr. Dan Hall  
Hillsboro School District  
4901 SE Witch Hazel Road  
Hillsboro, Oregon 97123-8457

Re: District-wide Drinking Water Sampling  
PBS Project No. 77004.025 Phase 0001

Dear Mr. Hall:

PBS Engineering + Environmental (PBS) recently completed drinking water sampling at Hillsboro School District school and facility buildings. Samples were collected from 32 school buildings, the Administration Center, the Facilities Department, the David Hill Center, the Peter Boscow Conference Center and the Transportation Department. Drinking water at West Union, Groner and Farmington View schools was not sampled as part of this report. Drinking water at these schools is obtained from on-site wells that are monitored separately.

Collected samples were sent to Alexin Analytical Laboratories in Tigard, Oregon and Pyxis Laboratories in Portland, Oregon for analysis of lead, copper, and bacteria.

#### **DRINKING WATER SAMPLE RESULTS**

PBS collected drinking water samples from each facility based on the size and layout of the facility. Typically, samples were collected from two sources at each administrative/support building, two sources at each elementary school, three to four sources at each middle school, and five sources at each high school. Each sample was collected from either a drinking fountain or cold-water tap and included one sample from the kitchen prep sink at each school building. Samples were collected after running the water for approximately two minutes and after the faucet was wiped with an alcohol wipe.

The EPA has established action levels in drinking water of 0.015 mg/L for lead and 1.3 mg/L for copper. All samples analyzed below the action for both lead and copper.

There is no established action level for bacteria in water; however 300 colony forming units per milliliter (cfu/ml) is considered a conservative upper limit. Bacteria levels above 300 cfu/ml may indicate poor maintenance of the drinking water system or a localized problem with the distribution system. Samples collected from sources in five schools initially tested above 300 cfu/ml. Other sources in these same schools tested below 300 cfu/ml, indicating that there is not a system-wide problem at these schools. Sources that were above 300 cfu/ml were subsequently resampled and analytical results showed bacteria levels to be below 300 cfu/ml at three of those sources.

The faculty lounge sink in the Administration Building at Hillsboro High School and the faculty lounge sink at Poynter Middle School had results above 300 cfu/ml for the second round of sampling. Investigation into the source of the bacteria in these water sources is ongoing.

The table below shows the analytical results of this sampling. Values noted as ND are "none detected". Values in bold type show analytical results above the action level.

## Elementary Schools

### **Brookwood Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (cfu/ml)
124, 125	Kitchen – prep sink	ND	ND	1
126, 127	Faculty lounge – sink	ND	ND	4

### **Butternut Creek Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
054, 055	Faculty lounge - sink	ND	ND	860
056, 057	Kitchen – prep sink	ND	ND	7
482056 (098)	Kitchen – prep sink – resampled 2/3/10			110

### **Eastwood Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
183, 184	Staff Lunch Room 121 - sink	ND	ND	<1
185, 186	Shop - fountain	ND	ND	<1

### **Free Orchards Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
161, 162	Staff Lounge - sink	ND	0.06	<1
163, 164	Kitchen – prep sink	ND	0.062	<1

### **W.L. Henry Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
187, 188	Faculty Room - sink	ND	ND	<1
189, 190	Kitchen – prep sink	ND	ND	2

### **Imlay Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
131, 132	Faculty room – sink	ND	ND	2
133, 134	Kitchen – prep sink	ND	ND	ND

#### Indian Hills Elementary School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
050, 051	Staff lounge - sink	ND	ND	24
052, 053	Kitchen – prep sink	ND	ND	2

#### Jackson Elementary School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
100, 101	Faculty lounge - sink	ND	ND	23
102, 103	Kitchen – prep sink	ND	ND	2

#### Ladd Acres Elementary School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
062, 063	Faculty lounge - sink	ND	ND	10
064, 065	Kitchen – prep sink	ND	ND	4
066, 067	POD 6 Commons - sink	ND	ND	3
068, 069	POD 4 Commons - sink	ND	ND	10

#### Lenox Elementary School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
006, 007	Room 19 - sink	ND	ND	2600
008, 009	Kitchen - sink	ND	ND	5000
191, 192	Room 19 – sink – resampled 12/17/09	ND	0.022	<1
193, 194	Kitchen – sink – resampled 12/17/09	ND	ND	2

#### Lincoln Street Elementary School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
108, 109	Kitchen – prep sink	ND	ND	2
110, 111	Faculty lounge – sink	ND	ND	8

#### W. Verne McKinney Elementary School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
104, 105	Faculty lounge - sink	ND	ND	1
106, 107	Kitchen – prep sink	ND	ND	ND

**Minter Bridge Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
147, 148	Kitchen – prep sink	ND	ND	3
149, 150	Faculty Lounge – sink	ND	ND	3

**Mooberry Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
112, 113	Faculty lounge - sink	ND	ND	ND
114, 115	Kitchen – prep sink	ND	ND	ND

**North Plains Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
020, 021	Main Office Health Room - sink	ND	ND	32
022, 023	Kitchen – prep sink	ND	ND	ND

**Orencia Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
038, 039	Faculty lounge - sink	ND	ND	ND
040, 041	Kitchen – prep sink	ND	ND	ND

**Paul L. Patterson Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
024, 025	Main Office workroom - sink	ND	ND	1
026, 027	Kitchen – single prep sink	ND	ND	ND

**Quantama Elementary School**

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
042, 043	Faculty lounge - sink	ND	0.09	96
044, 045	Kitchen – prep sink	ND	ND	4

### Reedville Elementary School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
070, 071	Kitchen - sink	ND	0.10	ND
072, 073	Faculty lounge – sink	ND	ND	1

### Rosedale Elementary School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
058, 059	Faculty lounge - sink	ND	0.06	130
060, 061	Kitchen – prep sink	ND	0.08	910
482054 (096)	Kitchen – prep sink – resampled 2/3/10			5

### L.C. Tobias Elementary School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
046, 047	Faculty lounge - sink	ND	ND	22
048, 049	Kitchen – prep sink	ND	ND	1

### Witch Hazel Elementary School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
135, 136	Faculty room – sink	ND	ND	3
137, 138	Kitchen – prep sink	ND	ND	13

### Middle Schools

#### Brown Middle School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
084, 085	Kitchen – prep sink	ND	ND	ND
086, 087	Work room – sink	ND	ND	1
088, 089	Fountain – Room R-2	ND	ND	4
090, 091	Room G3 - sink	0.004	0.08	73

#### Evergreen Middle School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
092, 093	Faculty lounge - sink	ND	0.12	39
094, 095	Kitchen – prep sink	ND	ND	1
096, 097	Fountain – yellow hall	0.003	0.10	ND
098, 099	Fountain – cafeteria at gym	ND	ND	ND

### **J.W. Poynter Middle School**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Lead (ppm)</b>	<b>Copper (ppm)</b>	<b>Bacteria (Cfu/ml)</b>
116, 117	Old Faculty lounge - sink	ND	ND	40
118, 119	Fountain – Room 31	ND	ND	2
120, 121	Kitchen – prep sink	ND	ND	1
122, 123	New Faculty lounge - sink	ND	ND	310
482055 (097)	New Faculty lounge – sink - resampled on 2/3/10			670

### **South Meadow Middle School**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Lead (ppm)</b>	<b>Copper (ppm)</b>	<b>Bacteria (Cfu/ml)</b>
139, 140	Staff Lounge Room 121 - sink	ND	0.07	1
141, 142	Kitchen – prep sink	ND	0.12	ND
143, 144	Staff Lounge Room 219 – sink	ND	0.07	2
145, 146	Staff Lounge Room 241- sink	ND	0.06	2

### **High Schools**

#### **Century High School**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Lead (ppm)</b>	<b>Copper (ppm)</b>	<b>Bacteria (Cfu/ml)</b>
074, 075	Faculty lounge – sink	ND	0.08	1
076, 077	Kitchen – prep sink	ND	0.06	5
078, 079	POD 6 Commons – sink	ND	ND	67
080, 081	POD 4 Commons – sink	ND	0.06	ND
082, 083	Work Room N113	ND	0.05	120

#### **Glencoe High School**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Lead (ppm)</b>	<b>Copper (ppm)</b>	<b>Bacteria (Cfu/ml)</b>
028, 029	Room 124 – sink	ND	ND	8
030, 031	2 <sup>nd</sup> Floor Counseling Center – sink	ND	ND	ND
032, 033	Kitchen – prep sink at mixer	ND	ND	4
034, 035	Drinking fountain in commons area	ND	ND	1
036, 037	Staff Lounge – sink	ND	ND	ND

### Hillsboro High School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
151, 152	Faculty Lounge - sink	ND	ND	2300
153, 154	Kitchen – prep sink	ND	ND	ND
155, 156	Drinking fountain at MS10A	ND	ND	18
157, 158	Drinking fountain at LA16	ND	ND	ND
159, 160	Drinking fountain at Music Room	ND	ND	9
482053 (095)	Faculty lounge – sink – resampled on 2/3/10			3700

### Liberty High School

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
010, 011	Kitchen – prep sink	ND	ND	4
012, 013	Room 166 – sink	ND	0.09	1
014, 015	Room 121 – kitchen sink	ND	0.07	60
016, 017	Drinking fountain adjacent to elevator	ND	0.11	16
018, 019	Main Office – break area	ND	0.20	27

### Miller Ed. Center East

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
173, 174	Staff Lunch Room 121 - sink	ND	0.0098	47

### Miller Ed. Center West

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
169, 170	Staff Lunch Room 121 - sink	ND	ND	<1
171, 172	Shop - fountain	ND	0.079	<1

### Administration

#### Administration Center

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
001, 003	Room 103 – Lunch Room sink	ND	0.08	ND
002	Room 103 – Lunch Room ice machine	-	-	190
004, 005	Room 204 – Break Room sink	ND	0.06	ND

#### Facilities and Support Services

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
129, 130	West side staff break room – sink	ND	0.06	140

#### Transportation Services

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
165, 166	Staff Lunch Room 121 - sink	ND	0.0058	<1
167, 168	Shop - fountain	ND	0.027	<1

#### Peter Boscow Conference Center

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
175, 176	Men's Restroom - sink	ND	0.065	<1
177, 178	Kitchen - sink	ND	0.056	<1

#### David Hill Center

Sample Number	Sample Location	Lead (ppm)	Copper (ppm)	Bacteria (Cfu/ml)
179, 180	Kitchen - sink	0.0035	0.12	117
181, 182	Room 7 - fountain	0.0027	0.014	1

Please find the attached copies of the signed laboratory analysis report and Chain of Custody Record from Alexin Analytical Laboratories, Inc. and Pyxis Laboratories.

If you have any questions regarding this report please contact me at 503.935.5484.

Sincerely,  
PBS Engineering + Environmental

  
Dale Voeller, CHMM  
Project Manager

Reviewed: DH

Attachments: Laboratory Analytical Reports



# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/1/09  
Date Sampled: 11/16/09 10:30  
Date Received: 11/16/09  
Job Number: **09320/08-10**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: District Administration Offices  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09320/08	Rm 103 Lunch Room - Sink	ND	0.08	ND
09320/09	Rm 103 Lunch Room - water/ice machine	-	-	190
09320/10	Rm 204 Breakroom - Sink	ND	0.06	ND
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		11/19/09	11/24/09	11/16/09 14:20

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman', is written over a horizontal line.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received:

M A I L I E N S G S	Project Manager:	DALB / DOBLER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	DISTRICT ADMINISTRATION OFFICES
Sampling Date/Time:	11/16/09 10:30 AM
Sampled By:	DALB / DOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09320/08-10
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
09320/08	1 001 - RM 103 LUNCH ROOM - SINK	H <sub>2</sub> O	BACTERIA <sup>kw</sup> SPC
09	2 002 - RM 103 LUNCH ROOM - WATER/ICE MACHINE		BACTERIA <sup>kw</sup> SPC
08	3 003 - RM 103 LUNCH ROOM - SINK		LEAD / COPPER
10	4 004 - RM 204 BREAK ROOM - SINK		BACTERIA <sup>kw</sup> SPC
10	5 005 - ROOM 204 BREAK ROOM - SINK		LEAD / COPPER
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By:	Date/Time	Received By:	Date/Time
	11/16/09 11:40	KW	11/16/09 11:40
Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received By:	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/1/09  
Date Sampled: 11/18/09 15:45  
Date Received: 11/19/09  
Job Number: **09323/08-09**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Lenox Elementary  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09323/08	Room 19 Sink	ND	ND	2600*
09323/09	Kitchen Sink	ND	ND	5000*
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		11/23/09	11/24/09	11/19/09 13:00

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

\*Counts greater than 300 are considered estimates.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received:

M A  
A D  
I D  
L R  
I E  
N S  
G S

Project Manager: DALB / DOBLER  
Company Name: PBS ENVIRONMENTAL & ENVIRONMENTAL  
Address: 4412 SW CORBETT AVENUE  
City, State, ZIP: PORTLAND, OR 97267  
Phone: 503 515-4726  
FAX: 503 248-0223

P.O. # or Project #: 77004.025

Project Name: HILLSBORO SCHOOL DISTRICT

Sampling Location: LENOX ELEMENTARY

Sampling Date/Time: 11/18/09 3:45 PM

Sampled By: DALB / DOBLER

Sample Composition: Raw or Treated / Source or Distribution / Single or Combined

Send to OR St. Health Div\*

(Please Circle)

Yes

No

PWSID #:

Alexin Project Number

09323/08-09

Sample Integrity Check

Pass

Fail

LAB USE  
ONLY

## SAMPLE IDENTIFICATION

SAMPLE  
TYPE

## ANALYSIS REQUIRED

05 1006 - ROOM 19 SINK

2 007 - RM 19 SINK

09 3 008 - KITCHEN SINK

4 009 - KITCHEN SINK

5

6

7

8

9

10

11

12

13

LEAD / COPPER

BACTERIA - PC

LEAD / COPPER

PC

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By <u>ISO VLL</u>	Date/Time <u>11/19/09 4:17 PM</u>	Received By <u>MS</u>	Date/Time <u>11/19/09 9:18</u>
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DV  
Client's Initials

\* Exceptions - DBP's and TOC's



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

Job Number: 9121815  
Report Date: 12/23/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name: 77004.025  
Project No: Hillsboro S.D.

### Cover Letter

Dale Voeller  
PBS Environmental Building  
4412 SW Corbett Ave.  
Consultants, Inc.  
Portland, OR, 97239

Dear Dale Voeller,

Enclosed please find Pyxis Laboratories analytical report for order number 9121815. 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 12/18/2009 as order 9121815.

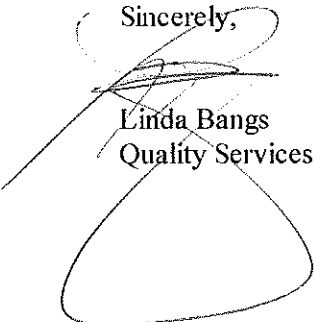
Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAC and the Pyxis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. 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 Leed  
Technical Services

Sincerely,

  
Linda Bangs  
Quality Services



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

Job Number: 9121815  
Report Date: 12/23/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name: 77004.025  
Project No: Hillsboro S.D.

## Sample Results

191 - Lenox E.S. RM 19

Collected: 12/17/09 06:30 PM

By: D. Voeller

Matrix: General Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.022	mg/L	0.01	10	2600-29	12/18/09 12:00	12/21/09 18:25	CCV	EPA 200.8	
Lead	ND	mg/L	0.002	10	2600-29	12/18/09 12:00	12/21/09 18:25	CCV	EPA 200.8	

192 - Lenox E.S. RM 19

Collected: 12/17/09 06:30 PM

By: D. Voeller

Matrix: General Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2570-1	12/18/09 13:00	12/20/09 12:50	KEW	SM 9215-B	

193 - Lenox E.S. Kitchen

Collected: 12/17/09 06:30 PM

By: D. Voeller

Matrix: General Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	ND	mg/L	0.01	10	2600-30	12/18/09 12:00	12/21/09 18:30	CCV	EPA 200.8	
Lead	ND	mg/L	0.002	10	2600-30	12/18/09 12:00	12/21/09 18:30	CCV	EPA 200.8	

194 - Lenox E.S. Kitchen

Collected: 12/17/09 06:30 PM

By: D. Voeller

Matrix: General Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	2.0	cfu/mL	0	1	2570-2	12/18/09 13:00	12/20/09 12:50	KEW	SM 9215-B	

## Laboratory Quality Control Results

SM 9215-B

## QC - Method Blank

Batch ID: 2570-3

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Standard Plate Count	<1	ND	CFU	---	---	---	---	

EPA 200.8

## QC - Initial Calibration Verif. - Standard: S940155

Batch ID: 2600-1

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	10	10	mg/L	104	90-110	---	---	
Copper	10	10	mg/L	102	90-110	---	---	

## QC - Initial Calibration Blank

Batch ID: 2600-2

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

## QC - Continuing Calibration Verif. - Standard: S940169

Batch ID: 2600-17

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	11	10	mg/L	106	85-115	---	---	
Copper	9.5	10	mg/L	94	85-115	---	---	



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

Job Number: 9121815  
Report Date: 12/23/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name: 77004.025  
Project No: Hillsboro S.D.

**QC - Continuing Calibration Blank**

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

Batch ID: 2600-18

**QC - Method Blank**

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

Batch ID: 2600-19

**QC - Laboratory Control Sample - Standard: S940168**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.21	0.2	mg/L	104	85-115	---	---	
Copper	0.2	0.2	mg/L	101	85-115	---	---	

Batch ID: 2600-20

**QC - Matrix Spike - Standard: S940168 - Sample item #: 21**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.35	0.33	mg/L	104	70-130	---	---	
Copper	0.34	0.33	mg/L	100	70-130	---	---	

Batch ID: 2600-22

**QC - Matrix Spike Duplicate - Standard: S940168 - Sample item #: 21**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.36	0.33	mg/L	108	70-130	3	20	
Copper	0.35	0.33	mg/L	103	70-130	2	20	

Batch ID: 2600-23

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	10	10	mg/L	103	85-115	---	---	
Copper	10	10	mg/L	99	85-115	---	---	

Batch ID: 2600-33

**QC - Continuing Calibration Blank**

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

Batch ID: 2600-34

**Abbreviations**

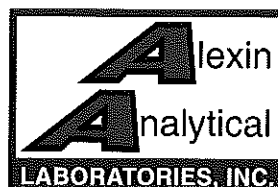
MRL Method Reporting Limit  
ND None Detected at or above the MRL  
RPD Relative Percent Difference

**Units of Measure:**

CFU C.F.U  
cfu/mL CFU Per Milliliter  
mg/L Milligrams Per Liter

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/1/09  
Date Sampled: 11/18/09 17:30  
Date Received: 11/19/09  
Job Number: **09323/03-07**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Liberty High School  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09323/03	Kitchen Prep Sink	ND	ND	4
09323/04	Rm 166 - Sink	ND	0.09	1
09323/05	Room 121 - Kitchen Sink	ND	0.07	60
09323/06	Drinking Fountain Adjacent to Elevator	ND	0.11	16
09323/07	Main Office Break Area	ND	0.20	27
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		11/23/09	11/24/09	11/19/09 13:00

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director



# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

Tel. 503-639-9311

Fax 503-684-1588

M A D I D L R I E N S G S	Project Manager:	DALE VOELGER
	Company Name:	PBS ENGINEERING & ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	LIBERTY HIGH SCHOOL
Sampling Date/Time:	11/18/09 5:30 PM
Sampled By:	DALE VOELGER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09323/03
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input checked="" type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
01	1 010 - KITCHEN PRBA SINK	H <sub>2</sub> O	LEAD / COPPER
	2 011 - "		PC
04	3 012 - RM 166 - SINK		L/C
	4 013 - "		PC
05	5 014 ROOM 121 - KITCHEN SINK		L/C
	6 015 - "		PC
06	7 016 - DRINKING FOUNTAIN ADJACENT TO GYMNASIUM		L/C (ACROSS FROM STUNTS, SUC.)
	8 017 - "		PC
07	9 018 MAIN OFFICE BREAK AREA SINK		L/C
	10 019 - "		PC
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By:	Date/Time	Received By	Date/Time
[Signature]	11/19/09 4:47 PM	MS	11/19/09 9:18
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

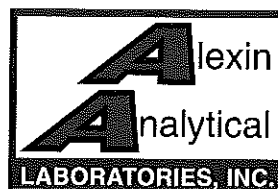
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DU  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/1/09  
Date Sampled: 11/18/09 19:00  
Date Received: 11/19/09  
Job Number: **09323/01-02**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District

Sampling Location: North Plains elementary

Sample Composition: Treated, Distribution, Single

Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09323/01	Main Office Health Room Sink	ND	ND	32
09323/02	Kitchen Prep Sink	ND	ND	ND

Laboratory Reporting Limit:	0.002	0.05	1
Method:	EPA 200.9	SM3111B	SM9215 B
Date Analyzed:	11/23/09	11/24/09	11/19/09 13:00

ND = None Detected

CFU = Colony Forming Units

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE HOBBS
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311

Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	NORTH PLAINS ELEMENTARY
Sampling Date/Time:	4/18/09 7:00 PM
Sampled By:	DALE HOBBS
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number

09323/01-02

Sample Integrity Check

Pass

Fail

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
01	1 020 - MAIN OFFICE NORTH RM SINK	H2O	LEAD / COPPER
01	2 021 - "		PC
02	3 022 KITCHEN - AREA SINK		L/C
02	4 023 - "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
[Signature]	11/19/09 9:17 PM	HS	11/19/09 9:18
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

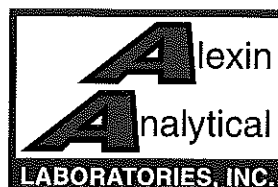
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or it's container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

[Signature]  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

Date Reported: 12/1/09  
Date Sampled: 11/19/09 16:10  
Date Received: 11/20/09  
Job Number: **09324/15-16**  
Page: 1 of 1

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726  
fax: 503-248-0223

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Patterson Elementary  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09324/15	Main Office Workroom Sink	ND	ND	1
09324/16	Kitchen Single Prep Sink	ND	ND	ND
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		11/23/09	11/24/09	11/20/09 14:35

ND = None Detected

CFU = Colony Forming Units

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman', written over a horizontal line.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

Tel. 503-639-9311

Fax 503-684-1588

M A D I D L R I E N S G S	Project Manager:	DALB 1/06/09
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	PATTERSON ELEMENTARY SCHOOL
Sampling Date/Time:	11/19/09 4:10 PM
Sampled By:	DALB 1/06/09
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09324/15-16
Sample Integrity Check	Pass <input checked="" type="radio"/> Fail <input type="radio"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
15	1 024 - MAIN OFFICE WORKROOM SINK	H <sub>2</sub> O	LEAD/COPPER
	2 025 "	↓	PC
16	3 026 - KITCHEN, SINGLE PREP SINK	↓	L/C
	4 027 "	↓	PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
[Signature]	11/20/09 10:24 AM	MS	11/20/09 10:22 AM
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

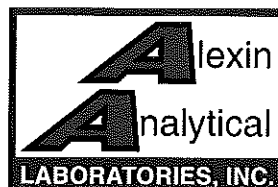
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DU  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/1/09  
Date Sampled: 11/19/09 18:00  
Date Received: 11/20/09  
Job Number: **09324/17-21**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Glencoe High School  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09324/17	Rm 124 Sink	ND	ND	8
09324/18	2nd Fl Counseling Center Sink	ND	ND	ND
09324/19	Kitchen Prep Sink at Mixer	ND	ND	4
09324/20	Drinking Fountain in Commons Area	ND	ND	1
09324/21	Staff Lounge Sink	ND	ND	ND
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		11/23/09	11/24/09	11/20/09 14:35

ND = None Detected

CFU = Colony Forming Units

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*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOELGER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBET AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	GLENCOE HIGH SCHOOL
Sampling Date/Time:	11/19/09 6:00 PM
Sampled By:	DALE VOELGER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09329/17-21
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
17	1028 - RM 124 SINK	H <sub>2</sub> O	LEAD/COPPER
2	029 - "		PLATE COUNT
18	3 030 - 2 <sup>ND</sup> FL COUNSELING CENTER SINK		L/C
4	031 - "		PL
19	5 032 - KITCHEN - PREP SINK AT MIXER		L/C
6	033 - "		PL
20	7 034 - DRINKING FOUNTAIN IN COMMONS AREA		L/C
8	035 - "		PL
21	9 036 - STAFF LOUNGE SINK		L/C
10	037 - "		PL
11			
12			
13			

**Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.**

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	11/20/09 10:21 AM	MS	11/20/09 10:22 AM
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

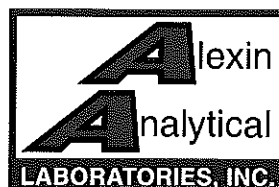
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

*[Signature]*  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/18/09  
Date Sampled: 11/23/09 12:30  
Date Received: 11/24/09  
Job Number: 09328/12-13  
Page: 1 of 1

## Revised Report

P.O. #: 77004.025

Project Name: Hillsboro School District

Sampling Location: Orence ES

Sample Composition: Treated, Distribution, Single

Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/12	Faculty Lounge	ND	ND	ND
09328/13	Kitchen Prep Sink	ND	ND	ND
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/8 & 10/09	12/17/09	11/24/09 12:24 & 12:42

ND = None Detected

CFU = Colony Forming Units

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director



# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOELKE
	Company Name:	PBS ENVIRONMENTAL
	Address:	4412 SW CORBET AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0225

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	CRACKS
Sampling Date/Time:	11.23.09 1230
Sampled By:	DALE VOELKE
Sample Composition:	Raw or Treated / Source of Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09328/12-13
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
12	1 038 FACULTY LOUNGE	H2O	LEAD/COPPER
	2 039		PC
13	3 040 KITCHEN PREP SINK	↓	LEAD/COPPER
	4 041 " " "	↓	PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
J. DANE	11.24	MS	11/28/19 11/24/19
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

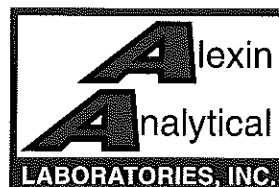
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Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/18/09  
Date Sampled: 11/23/09 13:00  
Date Received: 11/24/09  
Job Number: **09328/14-15**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Quatama ES  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/14	Faculty Lounge Sink	ND	0.09	96
09328/15	Kitchen Prep Sink	ND	ND	4
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/8 & 10/09	12/17/09	11/24/09 12:24 & 12:42

ND = None Detected

CFU = Colony Forming Units

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Approved By:

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Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOGLER
	Company Name:	PBS ENGINEERING & ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	QUATAMA RS
Sampling Date/Time:	11.23.09 1300
Sampled By:	DALE VOGLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09328/14-15
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
14	1042 FACULTY LOUNGE SINK	H <sub>2</sub> O	LEAD/COPPER
2	043 " " "		PC
15	3 044 KITCHEN PUMP SINK		LEAD/COPPER
4	045 " " "		PC
5			
6			
7			
8			
9			
10			
11			
12			
13			

**Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.**

Relinquished By J. D. Smith	Date/Time 11.24	Received By MS	Date/Time 11/24/09
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

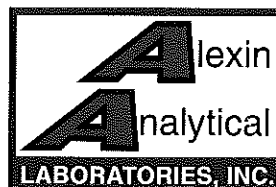
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or it's container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DU  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

Date Reported: 12/18/09  
Date Sampled: 11/23/09 13:40  
Date Received: 11/24/09  
Job Number: **09328/16-17**  
Page: 1 of 1

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T  
  
phone: 503-515-4726  
fax: 503-248-0223

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Tobias ES  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/16	Faculty Lounge Sink	ND	ND	22
09328/17	Kitchen Prep Sink	ND	ND	1
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/8 & 10/09	12/17/09	11/24/09 12:24 & 12:42

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOELGER
	Company Name:	PBS ENGINEERING & ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311

Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	TORRIS ES
Sampling Date/Time:	11.23.09 1340
Sampled By:	DALE VOELGER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number

097328/11-17

Sample Integrity Check

Pass

Fail

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
116	1 048 FACULTY LOUNGE SINK	H2O	LEAD/COPPER
	2 047 " " "		PC
117	3 048 KITCHEN PREP SINK	↓	LEAD/COPPER
	4 049 " " "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By J. D. Ande	Date/Time 11.24	Received By MS	Date/Time 11/24/09
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

*DU*  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

Date Reported: 12/18/09  
Date Sampled: 11/23/09 14:10  
Date Received: 11/24/09  
Job Number: 09328/18-19  
Page: 1 of 1

phone: 503-515-4726  
fax: 503-248-0223

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Indian Hills ES  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/18	Staff Lounge Sink	ND	ND	24
09328/19	Kitchen Prep Sink	ND	ND	2
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/8 & 10/09	12/17/09	11/24/09 12:24 & 12:42

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman', is written over a horizontal line.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE JOBLER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311

Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	INDIAN HILLS BS
Sampling Date/Time:	11.23.09 1410
Sampled By:	DALE JOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number

09328/18-19

Sample Integrity Check

Pass

Fail

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
18	1 050 STAFF LOUNGE SINK	H <sub>2</sub> O	LEAD/COPPER
	2 051 " " "		PC
19	3 052 KITCHEN PUMP SINK	↓	LEAD/COPPER
	4 053 " " "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By J. JOBLER	Date/Time 11.24	Received By MS	Date/Time 11/24/19
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

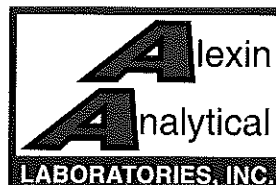
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DU  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/18/09

Date Sampled: 11/23/09 14:40

Date Received: 11/24/09

Job Number: 09328/20-21

Page: 1 of 1

## Revised Report

P.O. #: 77004.025

Project Name: Hillsboro School District

Sampling Location: Butternut ES

Sample Composition: Treated, Distribution, Single

Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/20	Faculty Lounge Sink	ND	ND	860*
09328/21	Kitchen Prep Sink	ND	ND	7
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/8 & 10/09	12/17/09	11/24/09 12:24 & 12:42

ND = None Detected

CFU = Colony Forming Units

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

\* Counts over 300 are considered estimates.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director



# CHAIN OF CUSTODY RECORD

## Alexin Analytical

Laboratories, Inc.

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received: \_\_\_\_\_

M	A	Project Manager:	DALE JOBLER
A	D	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
I	D	Address:	4412 SW CORBETT AVENUE
L	R	City, State, ZIP:	PORTLAND, OR 97267
I	E	Phone:	503 515-4726
N	S	FAX:	503 248-0223
G	S		

P.O. # or Project #: 77004.025

Project Name: HILLSBORD SCHOOL DISTRICT

Sampling Location: BUTTERNUT ES

Sampling Date/Time: 11/23/09 1440

Sampled By: DALB / NOBLGR

Sample Composition: Raw or Treated / Source or Distribution / Single or Combined

Send to OR St. Health Div\*

(Please Circle)

Yes

No

PWSID #:

Alexin Project Number

01328 / 20-21

## Sample Integrity Check

Pass

1234

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
20	1054 FACULTY LOWBR SINK	H2O	LEAD/COPPER
	2055 " " "		PC
21	3056 KITCHEN PREP SINK	↓	LEAD/COPPER
	4057 " " "	↓	PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

**Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.**

Relinquished By <i>J. D. Aule</i>	Date/Time <i>11-24</i>	Received By <i>MS</i>	Date/Time <i>11/24/9</i>
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or it's container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale Voeller  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97239  
T  
phone: 503-515-4726

Date Reported: 3/2/10  
Date Sampled: 2/3/10 19:30  
Date Received: 2/4/10  
Job Number: **482056**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Butternut Creek Elementary

Sampling Location: Faculty Lounge Sink

Lab Number	Sample ID	Results
		Standard Plate Count #CFU / mL
482056	098	110

Laboratory Reporting Limit: 1  
Method: SM9215 B  
Date Analyzed: 2/4/10 13:31

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only.*

*This report shall not be reproduced, except in full, without the written approval of the laboratory.*

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Approved By:

A handwritten signature in cursive script, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter  
Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical  
Laboratories, Inc.**

13035 SW Pacific Hwy.  
Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOGLER
	Company Name:	PBS
	Address:	4412 SW CORBETT AVE
	City, State, ZIP:	PORTLAND
	Phone:	503 515-4726
	FAX:	

Tel. 503-639-9311  
Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	BUTTERNUT CREEK ELEMENTARY
Sampling Location:	FACULTY LOUNGE SINK
Sampling Date/Time:	2/3/10 7:30 PM
Sampled By:	
Sample Composition:	Raw or Treated Source or Distribution Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes No
PWSID #:	

Alexin Project Number  
482056  
480056 Rec 2/9/10

Sample Integrity Check  
Pass Fail

LAB USE ONLY	SAMPLE IDENTIFICATION		SAMPLE TYPE	ANALYSIS REQUIRED
1	098	10 <sup>0</sup> L	H <sub>2</sub> O	PLATE COUNT
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

**Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.**

Relinquished By	Date/Time	Received By	Date/Time
[Signature]	2/4/10	ICW	2/4/10
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

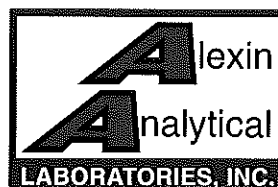
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Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/18/09  
Date Sampled: 11/23/09 15:05  
Date Received: 11/24/09  
Job Number: **09328/22-23**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District

Sampling Location: Rosedale ES

Sample Composition: Treated, Distribution, Single

Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/22	Faculty Lounge Sink	ND	0.06	130
09328/23	Kitchen Prep Sink	ND	0.08	910*
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/8 & 10/09	12/17/09	11/24/09 12:24 & 12:42

ND = None Detected

CFU = Colony Forming Units

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*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.


\*Counts over 300 are considered estimates.

Approved By:

  
Scott Dickman

Inorganic Technical Director

Approved By:

  
Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE JOHNSON
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	ROSELDALE ES
Sampling Date/Time:	11.23.09 1505
Sampled By:	DALE JOHNSON
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	01324/22-23
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
22	1058 FACULTY LOUNGE SINK	H <sub>2</sub> O	LEAD/COPPER
	2059 " " "		PC
23	3060 KITCHEN PREP SINK	↓	LEAD/COPPER
	4061 " " "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
J. DOANE	11.24	MS	11/24/09
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DU  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale Voeller  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97239  
T  
phone: 503-515-4726

Date Reported: 3/2/10  
Date Sampled: 2/3/10 19:15  
Date Received: 2/4/10  
Job Number: **482054**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Rosedale Elementary School

Sampling Location: Kitchen Prep Sink

Sample Composition: Treated, Distribution, Single

		Results
		Standard
Lab Number	Sample ID	Plate Count
		#CFU / mL
482054	096	5

Laboratory Reporting Limit: 1  
Method: SM9215 B  
Date Analyzed: 2/4/10 13:31

ND = None Detected

CFU = Colony Forming Units

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*This report shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

Approved By:

Ruth Carpenter  
Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOGLER
	Company Name:	PBS
	Address:	4412 SW CORBETT AVE
	City, State, ZIP:	PORTLAND
	Phone:	503 515-4726
	FAX:	

P.O. # or Project #:	77004.025
Project Name:	ROSSDALE E.S.
Sampling Location:	KITCHEN PUMP SINK
Sampling Date/Time:	2/3/10 @ 7:15 PM
Sampled By:	
Sample Composition:	Raw or Treated Source or Distribution Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes No
PWSID #:	

Alexin Project Number	482054
Sample Integrity Check	Pass Fail

LAB USE ONLY	SAMPLE IDENTIFICATION		SAMPLE TYPE	ANALYSIS REQUIRED
1	096	11°C	H <sub>2</sub> O	PLATE COUNT
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	2/4/10	KW	2/4/10 11:21
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

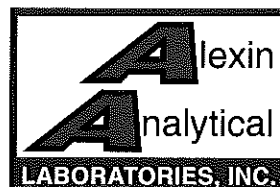
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

Date Reported: 12/18/09  
Date Sampled: 11/23/09 15:30  
Date Received: 11/24/09  
Job Number: **09328/24-27**  
Page: 1 of 1

phone: 503-515-4726

fax: 503-248-0223

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Ladd Acres ES  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/24	Faculty Lounge Sink	ND	ND	10
09328/25	Kitchen Prep Sink	ND	ND	4
09328/26	POD 6 Commons Sink	ND	ND	3
09328/27	POD 4 Commons Sink	ND	ND	10

Laboratory Reporting Limit: 0.002 0.05 1  
Method: EPA 200.9 SM3111B SM9215 B  
Date Analyzed: 12/8 & 10/09 12/17/09 11/24/09 12:24 & 12:42

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

  
Scott Dickman

Inorganic Technical Director

Approved By:

  
Ruth Carpenter

Microbiology Technical Director



# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received:

M A I L I E S N S G S	Project Manager:	DALE VOELKER
	Company Name:	PBS ENGINEERING & ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	LADD ACRES ES
Sampling Date/Time:	11.23.09 1530
Sampled By:	DALE VOELKER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09328/2A-27
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
24	1062 FACULTY LOUNGE SINK	H <sub>2</sub> O	LEAD/COPPER
	2063 " "		PC
25	3064 KITCHEN PREP SINK (L)		LEAD/COPPER
	4065 " "		PC
26	5066 POD 6 COMMONS SINK		W/C
	6067 " "		PC
27	7068 POD 4 COMMONS SINK		LC
	8069 " "		PC
28	9		
	10		
	11		
	12		
	13		

**Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.**

Relinquished By	Date/Time	Received By	Date/Time
J. JOANE	11.24	MS	11/24/09
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DW  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

Date Reported: 12/18/09  
Date Sampled: 11/23/09 15:55  
Date Received: 11/24/09  
Job Number: **09328/28-29**  
Page: 1 of 1

phone: 503-515-4726  
fax: 503-248-0223

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Reedville ES  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/28	Kitchen Sink	ND	0.10	ND
09328/29	Faculty Lounge Sink	ND	ND	1
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/8 & 10/09	12/17/09	11/24/09 12:24 & 12:42

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman', is written over a horizontal line.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

Laboratories, Inc.  
13035 SW Pacific Hwy.  
Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE JOBLER
	Company Name:	PBS ENGINEERING & ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311  
Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	REEDVILLE ES
Sampling Date/Time:	11.23.09 1555
Sampled By:	DALE JOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09328/28-29
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
28	1070 KITCHEN SINK	H <sub>2</sub> O	LEAD/COPPER
	2071 " "		PC
29	3072 FACULTY LOUNGE SINK	↓	LEAD/COPPER
	4073 " "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By J. JOBLER	Date/Time 11.24	Received By MS	Date/Time 11/24/09
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

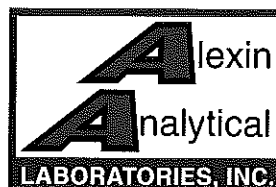
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*DW*  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
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phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/18/09  
Date Sampled: 11/23/09 16:15  
Date Received: 11/24/09  
Job Number: **09328/30-34**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District

Sampling Location: Century HS

Sample Composition: Treated, Distribution, Single

Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/30	Drinking Fountain Main Office	ND	0.08	1
09328/31	Kitchen Prep Sink	ND	0.06	5
09328/32	Work Room at Room 5243	ND	ND	67
09328/33	Drinking Fountain at Room N210	ND	0.06	ND
09328/34	Work Room N113	ND	0.05	120
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/8 & 10/09	12/17/09	11/24/09 12:24 & 12:42

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman', is written over a horizontal line.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

Laboratories, Inc.  
13035 SW Pacific Hwy.  
Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE JOBLER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311  
Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	CENTURY HS
Sampling Date/Time:	11/23/09 1615
Sampled By:	DALE JOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09328 / 30-39
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION		SAMPLE TYPE	ANALYSIS REQUIRED
30	1074	DRINKING FOUNTAIN MAIN OFFICE	H <sub>2</sub> O	LEAD/COPPER
	2075	" " " "		PC
31	3076	KITCHEN PREP SINK		LEAD/COPPER
	4077	" " " "		PC
32	5078	WORK ROOM AT ROOM 5243		LEAD/COPPER
	6079	" " 5243		PC
33	7080	DRINKING FOUNTAIN AT ROOM N210		LEAD/COPPER
	8081	" " " "		PC
34	9082	WORK ROOM N113		LEAD/COPPER
	10083	" " " "		PC
	11			
	12			
	13			

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
DALE JOBLER	11/24	MS	11/24/09
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

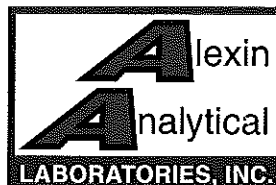
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or it's container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

*MS*  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/18/09  
Date Sampled: 11/23/09 16:55  
Date Received: 11/24/09  
Job Number: **09328/35-38**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Brown MS  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/35	Kitchen Prep Sink	ND	ND	ND
09328/36	Workroom Sink	ND	ND	1
09328/37	Fountain @ Rm R-2	ND	ND	4
09328/38	Room G-3 Sink	0.004	0.08	73

Laboratory Reporting Limit: 0.002 0.05 1  
Method: EPA 200.9 SM3111B SM9215 B  
Date Analyzed: 12/8 & 10/09 12/17/09 11/24/09 12:24 & 12:42

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE JOBLER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311

Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	Brown MS
Sampling Date/Time:	11.23.09 1655
Sampled By:	DALE JOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number

09328/35-38

Sample Integrity Check

Pass

Fail

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
35	1084 KITCHEN PREP SINK	H <sub>2</sub> O	LEAD/COPPER
	2085 " " "		PC
36	3086 WORKROOM SINK		LEAD/COPPER
	4087 " " "		PC
37	5088 FOUNTAIN RM R-2		LEAD/COPPER
	6089 " " "		PC
38	7090 ROOM G-3 SINK		LEAD/COPPER
	8091 " " "		PC
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
JOBLER	11.24	MS	11/24/09
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

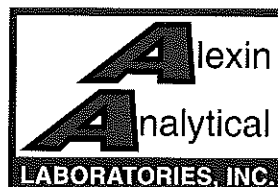
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or it's container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/17/09  
Date Sampled: 11/24/09 11:30  
Date Received: 11/24/09  
Job Number: **09328/61-64**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Evergreen Middle School  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/61	Faculty Lounge Sink	ND	0.12	39
09328/62	Kitchen Prep Sink	ND	ND	1
09328/63	Fountain Yellow Hall	0.003	0.10	ND
09328/64	Fountain Cafeteria Gym	ND	ND	ND

Laboratory Reporting Limit:	0.002	0.05	1
Method:	EPA 200.9	SM3111B	SM9215 B
Date Analyzed:	12/9/09	12/17/09	11/24/09 17:39

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman', is written over a horizontal line.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director



# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

Laboratories, Inc.  
13035 SW Pacific Hwy.  
Tigard, OR 97223

Date Received:

M A I L I E N S G S	Project Manager:	DALE JOBLER
	Company Name:	PBS ENGINEERING & ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311  
Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	EVERGREEN MS
Sampling Date/Time:	11.24.09 1130
Sampled By:	DALE JOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number

09328 / 61 - 69

Sample Integrity Check

Pass ☐ Fail ☐

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
61	1092 FACULTY LOUNGE SINK	H <sub>2</sub> O	LEAD/COPPER
	2093 " " "		PC
62	3094 KITCHEN PREP SINK		PC
	4095 " " "		L/C
63	5096 FOUNTAIN ELLERBY HALL		PC
	6097 " " "		L/C
64	7098 FOUNTAIN CAFETERIA & GYM		PC
	8099 " " "		L/C
			PC

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
J. JOBLER	11.24.09	MS	11/24/09 1534
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

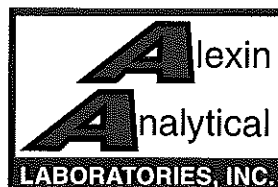
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DW  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/17/09  
Date Sampled: 11/24/09 12:15  
Date Received: 11/24/09  
Job Number: 09328/65-66  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District

Sampling Location: Jackson ES

Sample Composition: Treated, Distribution, Single

Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/65	Faculty Lounge Sink	ND	ND	23
09328/66	Kitchen Prep Sink	ND	ND	2
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/9/09	12/17/09	11/24/09 17:39

ND = None Detected

CFU = Colony Forming Units

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman', is written over a horizontal line.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

Laboratories, Inc.  
13035 SW Pacific Hwy.  
Tigard, OR 97223

Date Received:

M A I L I E N S G S	Project Manager:	DALE JOBLER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBET AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311  
Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	JACKSON ES
Sampling Date/Time:	11.24.09 1215
Sampled By:	DALE JOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09328/65-66
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
65	1100 FACULTY LOUNGE SINK	H <sub>2</sub> O	LEAD/COPPER
	2 101 " " "		PC
66	3 102 KITCHEN PREP SINK	↓	U/C
	4 103 " " "		PC
	5		<del>U/C</del>
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
DALE JOBLER	11/24/09	MS	11/24/9 1534
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or it's container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DU  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/18/09  
Date Sampled: 11/24/09 12:35  
Date Received: 11/24/09  
Job Number: **09328/67-68**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: McKinney ES  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/67	Faculty Lounge Sink	ND	ND	1
09328/68	Kitchen Prep Sink	ND	ND	ND
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/9/09	12/17/09	11/24/09 17:39

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

M A I L I E N S G S	Project Manager:	DALB 1106116
	Company Name:	PBS ENGINEERING & ENVIRONMENTAL
	Address:	4412 SW CORBET AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311

Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	MCKINNEY ES
Sampling Date/Time:	11.24.09 1235
Sampled By:	DALB 1106116
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09328/07-68
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
67	1104 FACULTY LOUNGE SINK	H <sub>2</sub> O	LEAD/COPPER
	2105 " " "		PC
68	3106 1474+61 PREP SINK		L/C
	4107 " " "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By J. D. GALE	Date/Time 11/24/09	Received By MS	Date/Time 11/24/09 1534
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DW  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

Date Reported: 12/18/09  
Date Sampled: 11/24/09 13:00  
Date Received: 11/24/09  
Job Number: **09328/69-70**  
Page: 1 of 1

phone: 503-515-4726

fax: 503-248-0223

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District

Sampling Location: Lincoln ES

Sample Composition: Treated, Distribution, Single

Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/69	Kitchen Prep Sink	ND	ND	2
09328/70	Faculty Lounge Sink	ND	ND	8
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/9/09	12/17/09	11/24/09 17:39

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical  
Laboratories, Inc.**  
13035 SW Pacific Hwy.  
Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOELGER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311  
Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	LINCOLN ST
Sampling Date/Time:	11.24.09 1300
Sampled By:	DALE VOELGER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number

09328/09-70

Sample Integrity Check

Pass Fail

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
67	1108 KITCHEN PREP SINK	H <sub>2</sub> O	LEAD/COPPER
	2109 " " "		PC
70	3110 FACULTY LOUNGE SINK		L/C
	4111 " " "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By DALE VOELGER	Date/Time 11/24/09	Received By ALS	Date/Time 11/24/09 1534
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DA  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/18/09  
Date Sampled: 11/24/09 13:30  
Date Received: 11/24/09  
Job Number: **09328/71-72**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District

Sampling Location: Mooberry ES

Sample Composition: Treated, Distribution, Single

Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/71	Faculty Lounge Sink	ND	ND	ND
09328/72	Kitchen Prep Sink	ND	ND	ND
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/9/09	12/17/09	11/24/09 17:39

ND = None Detected

CFU = Colony Forming Units

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman', is written over a horizontal line.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director



# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOELKER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311

Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	MOORBOLDY ES.
Sampling Date/Time:	11.24.09 1330
Sampled By:	DALE VOELKER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number

09328/71-72

Sample Integrity Check

Pass

Fail

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
71	1112 FACULTY LOUNGE SINK	H2O	LEAD/COPPER
	2113 " " "		PC
72	3114 KITCHEN PREP SINK		L/C
	4115 " " "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
J. D. Auk	11.24.09	MS	11/24/9 1539
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

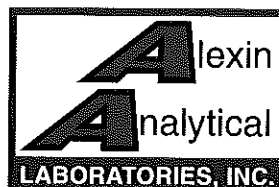
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

*DW*  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/18/09  
Date Sampled: 11/24/09 14:20  
Date Received: 11/24/09  
Job Number: **09328/73-76**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District

Sampling Location: Poynter MS

Sample Composition: Treated, Distribution, Single

Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead	Total Copper	Standard Plate Count
		mg / L; ppm	mg / L; ppm	#CFU / mL
09328/73	Old Faculty Lounge Sink	ND	ND	40
09328/74	Fountain @ Rm 31	ND	ND	2
09328/75	Kitchen Prep Sink	ND	ND	1
09328/76	New Faculty Lounge Sink	ND	ND	310*

Laboratory Reporting Limit:	0.002	0.05	1
Method:	EPA 200.9	SM3111B	SM9215 B
Date Analyzed:	12/9/09	12/17/09	11/24/09 17:39

ND = None Detected

CFU = Colony Forming Units

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*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

\*Counts over 300 are considered estimates.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

Laboratories, Inc.  
13035 SW Pacific Hwy.  
Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOBLER
	Company Name:	PBS ENGINEERING & ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311  
Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	DOYNTER MS
Sampling Date/Time:	11.24.09 1410
Sampled By:	DALE VOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09328/73-76
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION		SAMPLE TYPE	ANALYSIS REQUIRED
73	1	116 OLD FACULTY LOUNGE SINK	H <sub>2</sub> O	LEAD/COPPER
	2	117 " " " "		PC
74	3	118 FOUNTAIN @ RM 31		L/C
	4	119 " " " "		PC
75	5	120 KITCHEN PREP SINK		LC
	6	121 " " " "		PC
76	7	122 NEW FACULTY LOUNGE SINK		L/C
	8	123 " " " "		PC
77	9			
	10			
	11			
	12			
	13			

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
J DOANE	11.24.09	MS	11/24/9 15:34
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or it's container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

*DU*  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
I Attn: Dale Voeller  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97239  
T  
phone: 503-515-4726

Date Reported: 3/2/10  
Date Sampled: 2/3/10 20:00  
Date Received: 2/4/10  
Job Number: **482055**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Poynter Middle School

Sampling Location: New Faculty Lounge Sink

Sample Composition: Treated, Distribution, Single

Lab Number	Sample ID	Results
		Standard Plate Count #CFU / mL
482055	097	670*

Laboratory Reporting Limit:

1

Method:

SM9215 B

Date Analyzed:

2/4/10 13:31

ND = None Detected

CFU = Colony Forming Units

\*counts greater than 300 are considered estimates

*This report reflects the results for these samples only.*

*This report shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

Approved By:

Ruth Carpenter  
Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical  
Laboratories, Inc.**  
13035 SW Pacific Hwy.  
Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOGLER
	Company Name:	PBS
	Address:	4412 SW CORBETT AVE
	City, State, ZIP:	PORTLAND
	Phone:	503 515-4726
	FAX:	

Tel. 503-639-9311  
Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	ADYNTOR MIDDLE SCHOOL
Sampling Location:	NBW FACULTY LOUNGE SINK
Sampling Date/Time:	2/3/10 @ 8:00 PM
Sampled By:	
Sample Composition:	Raw or Treated <input checked="" type="radio"/> Source or Distribution <input checked="" type="radio"/> Single or Combined <input checked="" type="radio"/>
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	482055
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
1	097 - NBW FACULTY LOUNGE SINK 110	H <sub>2</sub> O	PURIO COUNT
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	2/4/10	<i>[Signature]</i>	2/4/10
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

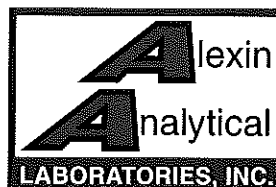
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



**Professional  
Laboratory  
Services**

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

phone: 503-515-4726

fax: 503-248-0223

Date Reported: 12/18/09  
Date Sampled: 11/24/09 14:45  
Date Received: 11/24/09  
Job Number: **09328/77-78**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro School District

Sampling Location: Brookwood ES

Sample Composition: Treated, Distribution, Single

Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09328/77	Kitchen Prep Sink	ND	ND	1
09328/78	Faculty Lounge Sink	ND	ND	4
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/9/09	12/17/09	11/24/09 17:39

ND = None Detected

CFU = Colony Forming Units

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE DOBLER
	Company Name:	PBS ENGINEERING & ENVIRONMENTAL
	Address:	4412 SW CORBET AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311

Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	BROOKWOOD ES
Sampling Date/Time:	11.24.09 1445
Sampled By:	DALE DOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number

09328/77-78

Sample Integrity Check

Pass

Fail

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
77	1 124 KITCHEN PEEP SINK	H <sub>2</sub> O	LEAD/COPPER
	2 125 " " "		PC
78	3 124 FACULTY LOUNGE SINK		L/C
	4 127 " " "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By J. D. Smith	Date/Time 11.24.09	Received By MS	Date/Time 11/24/9 15 <sup>39</sup>
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

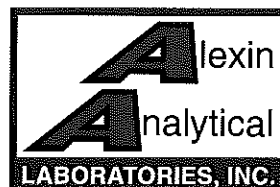
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DS  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

Date Reported: 12/21/09  
Date Sampled: 11/30/09 14:30  
Date Received: 12/1/09  
Job Number: 09335/01  
Page: 1 of 1

phone: 503-515-4726  
fax: 503-248-0223

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Facilities  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09335/01	Staff Breakroom Sink	ND	0.06	140
	Laboratory Reporting Limit:	0.002	0.05	1
	Method:	EPA 200.9	SM3111B	SM9215 B
	Date Analyzed:	12/9&10/09	12/17/09	12/1/09 14:20-14:35

ND = None Detected

CFU = Colony Forming Units

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman', is written over a horizontal line.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director



# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received:

M A D I R I E N S G S	Project Manager:	DALE VOELKER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	FACILITIES
Sampling Date/Time:	11/30/01 1430
Sampled By:	DALE VOELKER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09335/01
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
09335/01	129 STAFF BREAKROOM SINK	H <sub>2</sub> O	LEAD/COPPER SPC
012130	" " "	"	PC
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
SAYDOANE		Rev	12/1/09 10 <sup>15</sup>
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or it's container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

Date Reported: 12/21/09  
Date Sampled: 11/30/09 14:50  
Date Received: 12/1/09  
Job Number: **09335/02-03**  
Page: 1 of 1

phone: 503-515-4726  
fax: 503-248-0223

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Imlay ES  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09335/02	Faculty Room Sink	ND	ND	2
09335/03	Kitchen Prep Sink	ND	ND	ND

Laboratory Reporting Limit: 0.002 0.05 1  
Method: EPA 200.9 SM3111B SM9215 B  
Date Analyzed: 12/9&10/09 12/17/09 12/1/09 14:20-14:35

ND = None Detected

CFU = Colony Forming Units

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

  
Scott Dickman  
Inorganic Technical Director

Approved By:

  
Ruth Carpenter  
Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

Alexin Analytical

Laboratories, Inc.

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE DOBLER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311

Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	1 MLAY ES
Sampling Date/Time:	11.30.09 1450
Sampled By:	DALE DOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number

09335/02-03

Sample Integrity Check

Pass

Fail

LAB USE ONLY

## SAMPLE IDENTIFICATION

SAMPLE TYPE

## ANALYSIS REQUIRED

09335/02-03	131	FACULTY ROOM SINK	H <sub>2</sub> O	LEAD/COPPER
02	132	" " "		PC
03	133	KITCHEN PUMP SINK		LC
03	4134	" " "		PC
	5			
	6			
	7			
	8			
	9			
	10			
	11			
	12			
	13			

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
DALE DOBLER		KW	12.1.10 10 <sup>15</sup>
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

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PBS Engineering & Environmental  
Attn: Dale V.  
4412 SW Corbett Ave.  
Portland, Oregon 97267

Date Reported: 12/21/09  
Date Sampled: 11/30/09 15:20  
Date Received: 12/1/09  
Job Number: **09335/04-05**  
Page: 1 of 1

phone: 503-515-4726  
fax: 503-248-0223

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Witchhazel ES  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09335/04	Faculty Room Sink	ND	ND	3
09335/05	Kitchen Prep Sink	ND	ND	13

Laboratory Reporting Limit: 0.002 0.05 1  
Method: EPA 200.9 SM3111B SM9215 B  
Date Analyzed: 12/9&10/09 12/17/09 12/1/09 14:20-14:35

ND = None Detected

CFU = Colony Forming Units

*This report reflects the results for these samples only and shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

Alexin Analytical

Laboratories, Inc.

13035 SW Pacific Hwy.

Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALB / DOBLER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311

Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	WITCH HAZEL ES
Sampling Date/Time:	11.30.09 1520
Sampled By:	DALB / DOBLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09335/04-05
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
09335/04	1 135 FACULTY ROOM SINK	H <sub>2</sub> O	LEAD/COPPER
09	2 136 " " "		PC
09	3 137 KITCHEN PUMP SINK	↓	4C
09	4 138 " " "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
> SOR JY		KW	12/1/09 10 <sup>15</sup>
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DW  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
I Attn: Dale V.  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97267  
T

Date Reported: 12/21/09  
Date Sampled: 11/30/09 15:40  
Date Received: 12/1/09  
Job Number: **09335/06-09**  
Page: 1 of 1

phone: 503-515-4726  
fax: 503-248-0223

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: South Meadow MS  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09335/06	Staff Lounge Sink Rm 121	ND	0.07	1
09335/07	Kitchen Prep Sink	ND	0.12	ND
09335/08	Staff Lounge Sink Rm 219	ND	0.07	2
09335/09	Staff Lounge Sink Rm 241	ND	0.06	2

Laboratory Reporting Limit: 0.002 0.05 1  
Method: EPA 200.9 SM3111B SM9215 B  
Date Analyzed: 12/9&10/09 12/17/09 12/1/09 14:20-14:35

ND = None Detected

CFU = Colony Forming Units

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The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical  
Laboratories, Inc.**  
13035 SW Pacific Hwy.  
Tigard, OR 97223

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALB / DOBLLER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311  
Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	SOUTH MEADOW MS
Sampling Date/Time:	11.30.09 1540
Sampled By:	DALB / DOBLLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09335/06-09
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
09335/06	1 139 STAFF LOUNGE SINK RM 121	H2O	LEAD/COPPER
06	2 140 " " " "		PC
07	3 141 KITCHEN PREP SINK		L/C
07	4 142 " " " "		PC
08	5 143 STAFF LOUNGE SINK RM 219		L/C
08	6 144 " " " "		PC
09	7 145 STAFF LOUNGE SINK RM 241		L/C
09	8 146 " " " "		PC
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By D. DOBLLER	Date/Time	Received By KCU	Date/Time 12/1/09 10 <sup>15</sup>
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

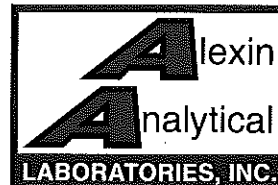
I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or it's container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

DU  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



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PBS Engineering & Environmental  
Attn: Dale V.  
4412 SW Corbett Ave.  
Portland, Oregon 97267

Date Reported: 12/21/09  
Date Sampled: 11/30/09 16:20  
Date Received: 12/1/09  
Job Number: **09335/10-11**  
Page: 1 of 1

phone: 503-515-4726  
fax: 503-248-0223

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Mintor Bridge ES  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09335/10	Kitchen Prep Sink	ND	ND	3
09335/11	Faculty Lounge Sink	ND	ND	3
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/9&10/09	12/17/09	12/1/09 14:20-14:35

ND = None Detected

CFU = Colony Forming Units

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*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman'.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director



# CHAIN OF CUSTODY RECORD

**Alexin Analytical**  
 Laboratories, Inc.  
 13035 SW Pacific Hwy.  
 Tigard, OR 97223

Date Received:

M A I L I N G S	Project Manager:	DALE VOELGER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311  
 Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	WINTON BRIDGE ES
Sampling Date/Time:	11.30.09 1620
Sampled By:	DALE VOELGER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09335/10-11
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
09335/10	1 147 KITCHEN PRED SINK	H <sub>2</sub> O	LEAD / COPPER
10	2 148 " " "		PC
11	3 149 FACULTY LOUNGE SINK	↓	L/C
11	4 150 " " "		PC
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
S. DOANE			12/1/09 10 <sup>15</sup>
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

I understand that if the analyses I have requested the laboratory to perform are not NELAC accredited, or if the sample and/or its container do not meet NELAC standards, no claim to NELAC certification will be acknowledged on the written report.

*DV*  
 Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



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PBS Engineering & Environmental  
Attn: Dale V.  
4412 SW Corbett Ave.  
Portland, Oregon 97267

Date Reported: 12/21/09  
Date Sampled: 11/30/09 17:00  
Date Received: 12/1/09  
Job Number: **09335/12-16**  
Page: 1 of 1

phone: 503-515-4726  
fax: 503-248-0223

**P.O. #: 77004.025**

Project Name: Hillsboro School District  
Sampling Location: Hill HI  
Sample Composition: Treated, Distribution, Single  
Sampled By: DV

Lab Number	Sample ID	Results	Results	Results
		Total Lead mg / L; ppm	Total Copper mg / L; ppm	Standard Plate Count #CFU / mL
09335/12	Faculty Lounge Sink	ND	ND	2300*
09335/13	Kitchen Prep Sink	ND	ND	ND
09335/14	Fountain @ MS10A	ND	ND	18
09335/15	Fountain @ LA16	ND	ND	ND
09335/16	Fountain @ Music Room	ND	ND	9
Laboratory Reporting Limit:		0.002	0.05	1
Method:		EPA 200.9	SM3111B	SM9215 B
Date Analyzed:		12/9&10/09	12/17/09	12/1/09 14:20-14:35

ND = None Detected

CFU = Colony Forming Units

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*All procedures utilized for this report conform to NELAC standards.*

The action level for lead is set at 0.015 mg/L and 1.3 mg/L for copper.

\*Counts over 300 are considered estimates.

Approved By:

A handwritten signature in black ink, appearing to read 'Scott Dickman', is written over a horizontal line.

Scott Dickman

Inorganic Technical Director

Approved By:

A handwritten signature in black ink, appearing to read 'Ruth Carpenter', is written over a horizontal line.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical  
Laboratories, Inc.**  
13035 SW Pacific Hwy.  
Tigard, OR 97223

Date Received:

M A I L I E N S G S	Project Manager:	DALE JOELLER
	Company Name:	PBS ENGINEERING + ENVIRONMENTAL
	Address:	4412 SW CORBETT AVENUE
	City, State, ZIP:	PORTLAND, OR 97267
	Phone:	503 515-4726
	FAX:	503 248-0223

Tel. 503-639-9311  
Fax 503-684-1588

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO SCHOOL DISTRICT
Sampling Location:	HILL HI
Sampling Date/Time:	11.30.09 1700
Sampled By:	DALE JOELLER
Sample Composition:	Raw or Treated / Source or Distribution / Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes <input type="radio"/> No <input checked="" type="radio"/>
PWSID #:	

Alexin Project Number	09335/12-16
Sample Integrity Check	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE TYPE	ANALYSIS REQUIRED
09335/12	1 151 FACULTY LOUNGE SINK	H <sub>2</sub> O	LEAD/COPPER
12	2 152 " " "		PC
13	3 153 KITCHEN PREP. SINK		L/C
13	4 154 " " "		PC
14	5 155 FOUNTAIN @ MS10A		L/C
14	6 156 " " "		PC
15	7 157 FOUNTAIN @ LA16		L/C
15	8 158 " " "		PC
16	9 159 FOUNTAIN @ MUSIC ROOM		L/C
16	10 160 " " " "		PC
	11		
	12		
	13		

Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
J. JOELLER		KW	12/1/09 10 <sup>15</sup>
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

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*DW*  
Client's Initials

\* Exceptions - DBP's and TOC's

# ANALYSIS REPORT

Analysis by: ORELAP ID #: OR100013



Professional  
Laboratory  
Services

C  
L PBS Engineering & Environmental  
I Attn: Dale Voeller  
E 4412 SW Corbett Ave.  
N Portland, Oregon 97239  
T  
phone: 503-515-4726

Date Reported: 3/2/10  
Date Sampled: 2/3/10 18:55  
Date Received: 2/4/10  
Job Number: **482053**  
Page: 1 of 1

## Revised Report

**P.O. #: 77004.025**

Project Name: Hillsboro High School

Sampling Location: Faculty Lounge Sink- Admin Building

Sample Composition: Treated, Distribution, Single

		Results
		Standard
Lab Number	Sample ID	Plate Count
		#CFU / mL
482053	095	3700

Laboratory Reporting Limit: 1  
Method: SM9215 B  
Date Analyzed: 2/4/10 13:31

ND = None Detected      CFU = Colony Forming Units

\*counts greater than 300 are considered estimates

*This report reflects the results for these samples only.*

*This report shall not be reproduced, except in full, without the written approval of the laboratory.*

*All procedures utilized for this report conform to NELAC standards.*

Approved By:

A handwritten signature in cursive script that reads 'Ruth Carpenter'.

Ruth Carpenter

Microbiology Technical Director

# CHAIN OF CUSTODY RECORD

**Alexin Analytical**

**Laboratories, Inc.**

13035 SW Pacific Hwy.

Tigard, OR 97223

Tel. 503-639-9311

Fax 503-684-1588

Date Received:

M A D I D L R I E N S G S	Project Manager:	DALE VOELLER
	Company Name:	PBS
	Address:	4412 SW CORBETT AVE
	City, State, ZIP:	PORTLAND
	Phone:	503 515-7726
	FAX:	

P.O. # or Project #:	77004.025
Project Name:	HILLSBORO H.S.
Sampling Location:	FACULTY HOUNDB SINK - ADMIN. BLDG
Sampling Date/Time:	2/3/10 6:55 PM
Sampled By:	D. VOELLER
Sample Composition:	Raw or Treated Source or Distribution Single or Combined
Send to OR St. Health Div* (Please Circle)	Yes No
PWSID #:	

Alexin Project Number	482053
Sample Integrity Check	Pass Fail

LAB USE ONLY	SAMPLE IDENTIFICATION		SAMPLE TYPE	ANALYSIS REQUIRED
1	095	13°C	H <sub>2</sub> O	PLATE COUNT BACTERIA
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

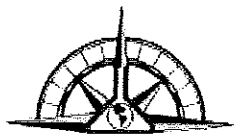
Note: FAILURE TO FILL OUT ENTIRE CHAIN OF CUSTODY MAY RESULT IN REJECTION OF SAMPLES.

Relinquished By	Date/Time	Received By	Date/Time
[Signature]	2/4/10	KW	2/4/10 11 <sup>21</sup>
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

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Client's Initials

\* Exceptions - DBP's and TOC's



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

Job Number: 9120308  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Free Orchards Elementary

### Cover Letter

Dale Voeller  
PBS Environmental Building  
4412 SW Corbett Ave.  
Consultants, Inc.  
Portland, OR, 97239

Dear Dale Voeller,


Enclosed please find Pyxis Laboratories analytical report for order number 9120308. 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 12/03/2009 as order 9120308.

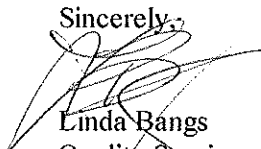
Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAC and the Pyxis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. 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 Leed  
Technical Services

Sincerely,

  
Linda Bangs  
Quality Services



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

Job Number: 9120308  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Free Orchards Elementary

## Sample Results

161 Staff Lounge Sink Collected: 12/02/09 01:21 PM By: JD Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.06	mg/L	0.005	5	2425-6		12/04/09 13:17	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-6		12/04/09 13:17	CCV	EPA 200.8	

162 Staff Lounge Sink Collected: 12/02/09 01:21 PM By: JD Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-1	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

163 Kitchen Prep Sink Collected: 12/02/09 01:24 PM By: JD Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.062	mg/L	0.005	5	2425-7		12/04/09 13:23	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-7		12/04/09 13:23	CCV	EPA 200.8	

164 Kitchen Prep Sink Collected: 12/02/09 01:24 PM By: JD Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-2	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

## Laboratory Quality Control Results

SM 9215-B

## QC - Method Blank

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Standard Plate Count	<1	ND	CFU	---	---	---	---	

Batch ID: 2370-16

EPA 200.8

## QC - Initial Calibration Verif. - Standard: S940155

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	11	10	mg/L	107	90-110	---	---	
Copper	11	10	mg/L	105	90-110	---	---	

Batch ID: 2425-1

## QC - Initial Calibration Blank

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

Batch ID: 2425-2

## QC - Matrix Spike - Standard: S940169 - Sample item #: 13

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.26	0.25	mg/L	101	70-130	---	---	
Copper	0.31	0.25	mg/L	98	70-130	---	---	

Batch ID: 2425-15



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

Job Number: 9120308  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Free Orchards Elementary

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.9	10	mg/L	98	85-115	---	---	
Copper	10	10	mg/L	100	85-115	---	---	

Batch ID: 2425-16

**QC - Continuing Calibration Blank**

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

Batch ID: 2425-17

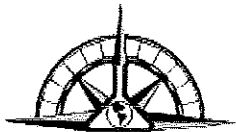
**Abbreviations**

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

**Units of Measure:**

CFU	C.F.U
cfu/mL	CFU Per Milliliter
mg/L	Milligrams Per Liter





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

Job Number: 9120309  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Transportation Center

### Cover Letter

Dale Voeller  
PBS Environmental Building  
4412 SW Corbett Ave.  
Consultants, Inc.  
Portland, OR, 97239

Dear Dale Voeller,


Enclosed please find Pyxis Laboratories analytical report for order number 9120309. 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 12/03/2009 as order 9120309.

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.

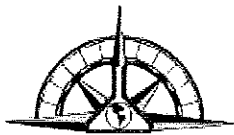
Thank you for allowing Pyxis to be of service to you, we appreciate your business.

Sincerely,

  
Mark Leed  
Technical Services

Sincerely,

  
Linda Bangs  
Quality Services



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

Job Number: 9120309  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Transportation Center

### Sample Results

165 Staff Lunch Rm Sink Collected: 12/02/09 01:46 PM By: JD Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.0058	mg/L	0.005	5	2425-8		12/04/09 13:29	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-8		12/04/09 13:29	CCV	EPA 200.8	

166 Staff Lunch Rm Sink Collected: 12/02/09 01:46 PM By: JD Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-3	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

167 Shop Fountain Collected: 12/02/09 01:50 PM By: JD Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.027	mg/L	0.005	5	2425-9		12/04/09 13:35	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-9		12/04/09 13:35	CCV	EPA 200.8	

168 Shop Fountain Collected: 12/02/09 01:50 PM By: JD Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-4	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

### Laboratory Quality Control Results

SM 9215-B

#### QC - Method Blank

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Standard Plate Count	<1	ND	CFU	---	---	---	---	

EPA 200.8

#### QC - Initial Calibration Verif. - Standard: S940155

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	11	10	mg/L	107	90-110	---	---	
Copper	11	10	mg/L	105	90-110	---	---	

#### QC - Initial Calibration Blank

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

#### QC - Matrix Spike - Standard: S940169 - Sample item #: 13

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.26	0.25	mg/L	101	70-130	---	---	
Copper	0.31	0.25	mg/L	98	70-130	---	---	



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

Job Number: 9120309  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Transportation Center

### QC - Continuing Calibration Verif. - Standard: S940169

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.9	10	mg/L	98	85-115	---	---	
Copper	10	10	mg/L	100	85-115	---	---	

Batch ID: 2425-16

### QC - Continuing Calibration Blank

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

Batch ID: 2425-17

#### Abbreviations

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

#### Units of Measure:

CFU	C.F.U
cfu/mL	CFU Per Milliliter
mg/L	Milligrams Per Liter



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

Job Number: 9120310  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Miller West

**Cover Letter**

Dale Voeller  
PBS Environmental Building  
4412 SW Corbett Ave.  
Consultants, Inc.  
Portland, OR, 97239

Dear Dale Voeller,

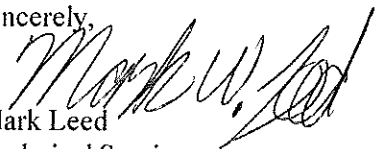
Enclosed please find Pyxis Laboratories analytical report for order number 9120310. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

The samples listed on the following pages were received at the Portland branch of Pyxis Laboratories on 12/03/2009 as order 9120310.

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 Leed  
Technical Services

Sincerely,

  
Linda Bangs  
Quality Services



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

Job Number: 9120310  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Miller West

## Sample Results

169 Kitchen Sink

Collected: 12/02/09 02:28 PM

By: Client

Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	ND	mg/L	0.005	5	2425-10		12/04/09 13:41	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-10		12/04/09 13:41	CCV	EPA 200.8	

170 Kitchen Sink

Collected: 12/02/09 02:28 PM

By: Client

Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-5	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

171 Front Fountain

Collected: 12/02/09 02:32 PM

By: Client

Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.079	mg/L	0.005	5	2425-11		12/04/09 13:47	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-11		12/04/09 13:47	CCV	EPA 200.8	

172 Front Fountain

Collected: 12/02/09 02:32 PM

By: Client

Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-6	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

## Laboratory Quality Control Results

SM 9215-B

## QC - Method Blank

Batch ID: 2370-16

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Standard Plate Count	<1	ND	CFU	---	---	---	---	

EPA 200.8

## QC - Initial Calibration Verif. - Standard: S940155

Batch ID: 2425-1

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	11	10	mg/L	107	90-110	---	---	
Copper	11	10	mg/L	105	90-110	---	---	

## QC - Initial Calibration Blank

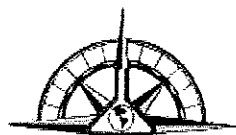
Batch ID: 2425-2

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

## QC - Matrix Spike - Standard: S940169 - Sample item #: 13

Batch ID: 2425-15

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.26	0.25	mg/L	101	70-130	---	---	
Copper	0.31	0.25	mg/L	98	70-130	---	---	



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

Job Number: 9120310  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Miller West

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.9	10	mg/L	98	85-115	---	---	
Copper	10	10	mg/L	100	85-115	---	---	

Batch ID: 2425-16

**QC - Continuing Calibration Blank**

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

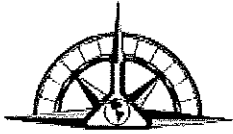
Batch ID: 2425-17

**Abbreviations**

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

**Units of Measure:**

CFU	C.F.U
cfu/mL	CFU Per Milliliter
mg/L	Milligrams Per Liter



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

Job Number: 9120311  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Miller East

### Cover Letter

Dale Voeller  
PBS Environmental Building  
4412 SW Corbett Ave.  
Consultants, Inc.  
Portland, OR, 97239

Dear Dale Voeller,

Enclosed please find Pyxis Laboratories analytical report for order number 9120311. 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 12/03/2009 as order 9120311.

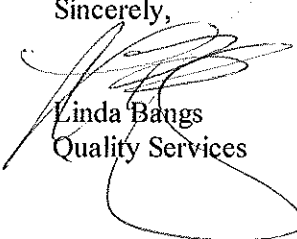
Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAC and the Pyxis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory.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

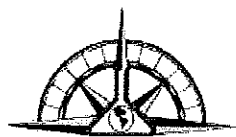
Thank you for allowing Pyxis to be of service to you, we appreciate your business.

Sincerely,

  
Mark Leed  
Technical Services

Sincerely,

  
Linda Bangs  
Quality Services



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

Job Number: 9120311  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Miller East

### Sample Results

173 Break Room Sink Collected: 12/02/09 02:43 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.0098	mg/L	0.005	5	2425-12		12/04/09 13:52	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-12		12/04/09 13:52	CCV	EPA 200.8	

174 Break Room Sink Collected: 12/02/09 02:43 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	47	cfu/mL	0	1	2370-7	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

### Laboratory Quality Control Results

SM 9215-B

#### QC - Method Blank

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Standard Plate Count	<1	ND	CFU	---	---	---	---	

EPA 200.8

#### QC - Initial Calibration Verif. - Standard: S940155

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	11	10	mg/L	107	90-110	---	---	
Copper	11	10	mg/L	105	90-110	---	---	

#### QC - Initial Calibration Blank

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

#### QC - Matrix Spike - Standard: S940169 - Sample item #: 13

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.26	0.25	mg/L	101	70-130	---	---	
Copper	0.31	0.25	mg/L	98	70-130	---	---	

#### QC - Continuing Calibration Verif. - Standard: S940169

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.9	10	mg/L	98	85-115	---	---	
Copper	10	10	mg/L	100	85-115	---	---	

#### QC - Continuing Calibration Blank

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

#### Abbreviations

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

Units of Measure:





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

CFU  
cfu/mL  
mg/L

C.F.U  
CFU Per Milliliter  
Milligrams Per Liter

**Job Number:** 9120311  
**Report Date:** 12/10/2009  
**ORELAP #:** OR100028  
**Purchase Order:**  
**Project Name:**  
**Project No:** Miller East



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

Job Number: 9120312  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Peter Boscow

### Cover Letter

Dale Voeller  
PBS Environmental Building  
4412 SW Corbett Ave.  
Consultants, Inc.  
Portland, OR, 97239

Dear Dale Voeller,

Enclosed please find Pyxis Laboratories analytical report for order number 9120312. 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 12/03/2009 as order 9120312.

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 Leed  
Technical Services

Sincerely,

  
Linda Bangs  
Quality Services



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

Job Number: 9120312  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Peter Boscow

## Sample Results

175 Men's Room Sink Collected: 12/02/09 03:15 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.065	mg/L	0.005	5	2425-13		12/04/09 13:58	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-13		12/04/09 13:58	CCV	EPA 200.8	

176 Men's Room Sink Collected: 12/02/09 03:15 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-8	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

177 Kitchen Sink Collected: 12/02/09 03:20 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.056	mg/L	0.005	5	2425-18		12/04/09 14:34	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-18		12/04/09 14:34	CCV	EPA 200.8	

178 Kitchen Sink Collected: 12/02/09 03:20 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-9	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

## Laboratory Quality Control Results

SM 9215-B

## QC - Method Blank

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Standard Plate Count	<1	ND	CFU	---	---	---	---	

Batch ID: 2370-16

EPA 200.8

## QC - Initial Calibration Verif. - Standard: S940155

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	11	10	mg/L	107	90-110	---	---	
Copper	11	10	mg/L	105	90-110	---	---	

Batch ID: 2425-1

## QC - Initial Calibration Blank

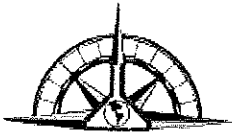
Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	ND	ND	mg/L	---	---	---	---	
Copper	ND	ND	mg/L	---	---	---	---	

Batch ID: 2425-2

## QC - Matrix Spike - Standard: S940169 - Sample item #: 13

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.26	0.25	mg/L	101	70-130	---	---	
Copper	0.31	0.25	mg/L	98	70-130	---	---	

Batch ID: 2425-15



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

Job Number: 9120312  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Peter Boscow

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.9	10	mg/L	98	85-115	---	---	
Copper	10	10	mg/L	100	85-115	---	---	

Batch ID: 2425-16

**QC - Continuing Calibration Blank**

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

Batch ID: 2425-17

**QC - Sample Duplicate - Sample item #: 27**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	ND	0.00046	mg/L	---	---	11	20	
Copper	0.22	0.21	mg/L	---	---	6	20	

Batch ID: 2425-28

**QC - Matrix Spike - Standard: S940169 - Sample item #: 27**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.25	0.25	mg/L	99	70-130	---	---	
Copper	0.45	0.25	mg/L	99	70-130	---	---	

Batch ID: 2425-29

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.7	10	mg/L	96	85-115	---	---	
Copper	10	10	mg/L	99	85-115	---	---	

Batch ID: 2425-30

**QC - Continuing Calibration Blank**

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

Batch ID: 2425-42

**Abbreviations**

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

**Units of Measure:**

CFU	C.F.U
cfu/mL	CFU Per Milliliter
mg/L	Milligrams Per Liter



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

Job Number: 9120313  
Report Date: 12/18/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: David Hill

### Cover Letter

Dale Voeller  
PBS Environmental Building  
4412 SW Corbett Ave.  
Consultants, Inc.  
Portland, OR, 97239

Dear Dale Voeller,

Enclosed please find Pyxis Laboratories analytical report for order number 9120313. 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 12/03/2009 as order 9120313.

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.

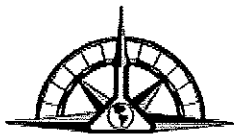
Thank you for allowing Pyxis to be of service to you, we appreciate your business.

Sincerely,

  
Mark Leed  
Technical Services

Sincerely,

  
Linda Bangs  
Quality Services



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

Job Number: 9120313  
Report Date: 12/18/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: David Hill

### Sample Results

179 Kitchen Sink Collected: 12/02/09 03:42 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.12	mg/L	0.005	5	2560-4		12/17/09 13:19	CCV	EPA 200.8	
Lead	0.0035	mg/L	0.001	5	2560-4		12/17/09 13:19	CCV	EPA 200.8	

180 Kitchen Sink Collected: 12/02/09 03:42 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	117	cfu/mL	0	1	2370-10	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

181 Rm 7 at Fountain Collected: 12/02/09 03:49 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	0.014	mg/L	0.005	5	2425-20		12/04/09 14:46	CCV	EPA 200.8	
Lead	0.0027	mg/L	0.001	5	2425-20		12/04/09 14:46	CCV	EPA 200.8	

182 Rm 7 at Fountain Collected: 12/02/09 03:49 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	1	cfu/mL	0	1	2370-11	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

### Laboratory Quality Control Results

SM 9215-B

#### QC - Method Blank

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Standard Plate Count	<1	ND	CFU	---	---	---	---	

EPA 200.8

#### QC - Initial Calibration Verif. - Standard: S940155

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	11	10	mg/L	107	90-110	---	---	
Copper	11	10	mg/L	105	90-110	---	---	

#### QC - Initial Calibration Blank

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

#### QC - Matrix Spike - Standard: S940169 - Sample item #: 13

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.26	0.25	mg/L	101	70-130	---	---	
Copper	0.31	0.25	mg/L	98	70-130	---	---	



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

Job Number: 9120313  
Report Date: 12/18/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: David Hill

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.9	10	mg/L	98	85-115	---	---	
Copper	10	10	mg/L	100	85-115	---	---	

Batch ID: 2425-16

**QC - Continuing Calibration Blank**

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

Batch ID: 2425-17

**QC - Sample Duplicate - Sample item #: 27**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	ND	0.00046	mg/L	---	---	11	20	
Copper	0.22	0.21	mg/L	---	---	6	20	

Batch ID: 2425-28

**QC - Matrix Spike - Standard: S940169 - Sample item #: 27**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.25	0.25	mg/L	99	70-130	---	---	
Copper	0.45	0.25	mg/L	99	70-130	---	---	

Batch ID: 2425-29

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.7	10	mg/L	96	85-115	---	---	
Copper	10	10	mg/L	99	85-115	---	---	

Batch ID: 2425-30

**QC - Continuing Calibration Blank**

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

Batch ID: 2425-42

**QC - Initial Calibration Verif. - Standard: S940155**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	10	10	mg/L	101	90-110	---	---	
Copper	10	10	mg/L	102	90-110	---	---	

Batch ID: 2560-1

**QC - Initial Calibration Blank**

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

Batch ID: 2560-2

**QC - Matrix Spike - Standard: S940169 - Sample item #: 12**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.053	0.05	mg/L	104	70-130	---	---	
Copper	0.063	0.05	mg/L	125	70-130	---	---	

Batch ID: 2560-13

**QC - Matrix Spike Duplicate - Standard: S940169 - Sample item #: 12**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.053	0.05	mg/L	105	70-130	0	20	
Copper	0.052	0.05	mg/L	102	70-130	19	20	

Batch ID: 2560-14

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	10	10	mg/L	99	85-115	---	---	
Copper	11	10	mg/L	106	85-115	---	---	

Batch ID: 2560-15

**QC - Continuing Calibration Blank**

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

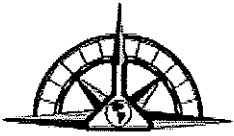
Batch ID: 2560-16

**Abbreviations**

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

**Units of Measure:**

CFU C.F.U



Pyxis Laboratories  
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503-254-1794

cfu/mL  
mg/L

CFU Per Milliliter  
Milligrams Per Liter

Job Number: 9120313  
Report Date: 12/18/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: David Hill





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

Job Number: 9120314  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Eastwood

**Cover Letter**

Dale Voeller  
PBS Environmental Building  
4412 SW Corbett Ave.  
Consultants, Inc.  
Portland, OR, 97239

Dear Dale Voeller,

Enclosed please find Pyxis Laboratories analytical report for order number 9120314. 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 12/03/2009 as order 9120314.

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 Leed  
Technical Services

Sincerely,

  
Linda Bangs  
Quality Services



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

Job Number: 9120314  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Eastwood

## Sample Results

183 Faculty Lunch Sink Collected: 12/02/09 04:15 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	ND	mg/L	0.005	5	2425-21		12/04/09 14:52	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-21		12/04/09 14:52	CCV	EPA 200.8	

184 Faculty Lunch Sink Collected: 12/02/09 04:15 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-12	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

185 Kitchen Prep Sink Collected: 12/02/09 04:20 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	ND	mg/L	0.005	5	2425-22		12/04/09 14:58	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-22		12/04/09 14:58	CCV	EPA 200.8	

186 Kitchen Prep Sink Collected: 12/02/09 04:20 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-13	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

## Laboratory Quality Control Results

SM 9215-B

## QC - Method Blank

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Standard Plate Count	<1	ND	CFU	---	---	---	---	

Batch ID: 2370-16

EPA 200.8

## QC - Initial Calibration Verif. - Standard: S940155

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	11	10	mg/L	107	90-110	---	---	
Copper	11	10	mg/L	105	90-110	---	---	

Batch ID: 2425-1

## QC - Initial Calibration Blank

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

Batch ID: 2425-2

## QC - Matrix Spike - Standard: S940169 - Sample item #: 13

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.26	0.25	mg/L	101	70-130	---	---	
Copper	0.31	0.25	mg/L	98	70-130	---	---	

Batch ID: 2425-15



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

Job Number: 9120314  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: Eastwood

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.9	10	mg/L	98	85-115	---	---	
Copper	10	10	mg/L	100	85-115	---	---	

Batch ID: 2425-16

**QC - Continuing Calibration Blank**

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

Batch ID: 2425-17

**QC - Sample Duplicate - Sample item #: 27**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	ND	0.00046	mg/L	---	---	11	20	
Copper	0.22	0.21	mg/L	---	---	6	20	

Batch ID: 2425-28

**QC - Matrix Spike - Standard: S940169 - Sample item #: 27**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.25	0.25	mg/L	99	70-130	---	---	
Copper	0.45	0.25	mg/L	99	70-130	---	---	

Batch ID: 2425-29

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.7	10	mg/L	96	85-115	---	---	
Copper	10	10	mg/L	99	85-115	---	---	

Batch ID: 2425-30

**QC - Continuing Calibration Blank**

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

Batch ID: 2425-42

**Abbreviations**

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

**Units of Measure:**

CFU	C.F.U
cfu/mL	CFU Per Milliliter
mg/L	Milligrams Per Liter



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

Job Number: 9120315  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: WL Henry

**Cover Letter**

Dale Voeller  
PBS Environmental Building  
4412 SW Corbett Ave.  
Consultants, Inc.  
Portland, OR, 97239

Dear Dale Voeller,

Enclosed please find Pyxis Laboratories analytical report for order number 9120315. 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 12/03/2009 as order 9120315.

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 Leed  
Technical Services

Sincerely,

Linda Bangs  
Quality Services



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

Job Number: 9120315  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: WL Henry

### Sample Results

187 Faculty Rm Sink Collected: 12/02/09 04:35 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	ND	mg/L	0.005	5	2425-23		12/04/09 15:04	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-23		12/04/09 15:04	CCV	EPA 200.8	

188 Faculty Rm Sink Collected: 12/02/09 04:35 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	<1	cfu/mL	0	1	2370-14	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

189 Kitchen Prep Sink Collected: 12/02/09 04:40 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Copper	ND	mg/L	0.005	5	2425-24		12/04/09 15:10	CCV	EPA 200.8	
Lead	ND	mg/L	0.001	5	2425-24		12/04/09 15:10	CCV	EPA 200.8	

190 Kitchen Prep Sink Collected: 12/02/09 04:40 PM By: Client Matrix: Drinking Water

Analyte	Result	Units	MRL	Dilution	Batch	Start / Extract	Analyzed	Analyst	Method	Notes
Standard Plate Count	2	cfu/mL	0	1	2370-15	12/03/09 12:10	12/05/09 11:20	NCM	SM 9215-B	

### Laboratory Quality Control Results

SM 9215-B

#### QC - Method Blank

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Standard Plate Count	<1	ND	CFU	---	---	---	---	

Batch ID: 2370-16

EPA 200.8

#### QC - Initial Calibration Verif. - Standard: S940155

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	11	10	mg/L	107	90-110	---	---	
Copper	11	10	mg/L	105	90-110	---	---	

Batch ID: 2425-1

#### QC - Initial Calibration Blank

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

Batch ID: 2425-2

#### QC - Matrix Spike - Standard: S940169 - Sample item #: 13

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.26	0.25	mg/L	101	70-130	---	---	
Copper	0.31	0.25	mg/L	98	70-130	---	---	

Batch ID: 2425-15



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

Job Number: 9120315  
Report Date: 12/10/2009  
ORELAP #: OR100028  
Purchase Order:  
Project Name:  
Project No: WL Henry

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.9	10	mg/L	98	85-115	---	---	
Copper	10	10	mg/L	100	85-115	---	---	

Batch ID: 2425-16

**QC - Continuing Calibration Blank**

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

Batch ID: 2425-17

**QC - Sample Duplicate - Sample item #: 27**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	ND	0.00046	mg/L	---	---	11	20	
Copper	0.22	0.21	mg/L	---	---	6	20	

Batch ID: 2425-28

**QC - Matrix Spike - Standard: S940169 - Sample item #: 27**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	0.25	0.25	mg/L	99	70-130	---	---	
Copper	0.45	0.25	mg/L	99	70-130	---	---	

Batch ID: 2425-29

**QC - Continuing Calibration Verif. - Standard: S940169**

Analyte	Result	Expected	Units	% Recovery	Limits	RPD	Limit	Notes
Lead	9.7	10	mg/L	96	85-115	---	---	
Copper	10	10	mg/L	99	85-115	---	---	

Batch ID: 2425-30

**QC - Continuing Calibration Blank**

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

Batch ID: 2425-42

**Abbreviations**

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

**Units of Measure:**

CFU	C.F.U
cfu/mL	CFU Per Milliliter
mg/L	Milligrams Per Liter