



Delivering more than  
just test results

ALG ORELAP ID #OR100012  
361 West 5th Ave  
Eugene, OR 97401  
TEL: (541) 485-8404 FAX: (541) 484-5995  
Website:

August 24, 2016

Bonny Ray  
Linn Benton Lincoln ESD  
905 4th Avenue SE  
Albany, OR 97321  
TEL: (541) 812-2712  
FAX

RE: Wake Robin

Order No.: 1608968

Dear Bonny Ray:

Analytical Laboratory Group received 3 sample(s) on 8/19/2016 for the analyses presented in the following report.

A handwritten signature in black ink that reads 'Kimberly J. Reeve Morghan'.

Kimberly Reeve Morghan  
Quality Manager  
361 West 5th Ave  
Eugene, OR 97401



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## Case Narrative

WO#: **1608968**

Date: **8/24/2016**

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**CLIENT:** Linn Benton Lincoln ESD

**Project:** Wake Robin

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This report presents the results of the analyses of the sample(s) received on the date above and assigned the listed ALG lab report numbers. Test results relate only to the parameters tested and to the samples as received by the laboratory.

This report shall not be reproduced, except in full, without written consent of Analytical Laboratory Group, Inc.

All analyses were performed according to the Analytical Laboratory Group, Inc. Quality Assurance Program.

All QA/QC requirements were met except as noted below.

Analytical comments are noted with data flags on the reports and/or below.



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# Analytical Report

Date Reported 8/24/2016

**WO#:** 1608968  
**CLIENT:** Linn Benton Lincoln ESD  
**Project:** Wake Robin  
**PWS Number:**  
**Sample Source:**

**Received Date:** 8/19/2016 3:10:00 PM  
**Sampler Name:** Jean Orr  
**Matrix:** Drinking Water  
**Sample Type:**

**Lab ID:** 1608968-001      **Client Sample ID:** Kitchen Sink      **Collection Date:** 8/18/2016 8:30:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/22/2016 2:11:00 PM	KG

**Lab ID:** 1608968-002      **Client Sample ID:** Restroom next to Kitchen      **Collection Date:** 8/18/2016 8:30:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/22/2016 2:11:00 PM	KG

**Lab ID:** 1608968-003      **Client Sample ID:** Restroom near Exit Door      **Collection Date:** 8/18/2016 8:30:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/22/2016 2:11:00 PM	KG

**Qualifiers:**

* Value exceeds Maximum Contaminant Level (MCL)	A Accredited by ORELAP
C Value is below Minimum Compound Limit.	E Value above quantitation range
H Holding times for preparation or analysis exceeded	LOD Limit of Detection
MCL Maximum Contaminant Level	NAR See note in Case Narrative
ND Not Detected at the Reporting Limit	PL Permit Limit



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**Accreditation Program  
 Analytes Report**  
 WO#: 1608968  
 24-Aug-16

**Client:** Linn Benton Lincoln ESD  
**Project:** Wake Robin

Program Name	Sample ID	ClientSampleID	Matrix	Test Name	Analyte	Status
ORELAP	1608968-001A	Kitchen Sink	Drinking Water	AA Metals by SM 3113 Schools 250mL	Lead	A
	1608968-002A	Restroom next to Kitchen			Lead	A
	1608968-003A	Restroom near Exit Door			Lead	A

ORELAP A Accredited

ACCRED



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## Definition Base

WO#: 1608968

Date: 8/24/2016

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### Definitions:

**% REC:** Percent Recovery; a measure of accuracy expressed as a percentage of a measured (recovered) concentration compared to the known concentration added to the sample.

**% RPD:** Relative Percent Difference; a measure of precision expressed as a percentage of the difference between two duplicates relative to the average concentration.

**DF:** Dilution factor; the dilution factor applied to the prepared sample.

**DUP:** Duplicate; aliquots of a sample taken from the same container under laboratory conditions and processed and analyzed independently, used to calculate Precision (%RPD).

**LCS:** Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

**LCSD:** The duplicate sample of the LCS, used to calculate both Accuracy (%REC) and Precision (%RPD)

**MBLK:** Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

**MS:** Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

**MSD:** The duplicate sample of the MS, used to calculate both Accuracy (%REC) and Precision (%RPD)

**ND:** Not Detected. The analyte level is below the lowest point the laboratory can test for.

**PL:** Permit limit; only applicable to wastewater reports.

**PQL:** Practical Quantitation Level or Reporting Limit; the limit to which data is compared for reporting.

**Qual:** Qualifier that applies to the analyte reported

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Original

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## Definition Base

WO#: 1608968

Date: 8/24/2016

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### Definitions:

Result: Analyte concentration reported

RL: Reporting Limit/Limit of Quantitation; the limit to which data is compared for reporting. Analyte concentrations below the reporting limit are reported as ND or with a “J” qualifier.

Units: The units in which the analyte concentration is reported.

### Qualifiers:

*	Value exceeds Maximum Contaminant Level (MCL)
A	Accredited by ORELAP
C	Value is below Minimum Compound Limit.
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
LOD	Limit of Detection
MCL	Maximum Contaminant Level
NAR	See note in Case Narrative
ND	Not Detected at the Reporting Limit
PL	Permit Limit
R	RPD outside accepted recovery limits
RL	Reporting Detection Limit
U	Samples with CalcVal < MDL
W	Sample container temperature is out of limit as specified at testcode

# Analytical Laboratory Group, Inc.

361 WEST FIFTH AVENUE  
 EUGENE, OREGON 97401  
 800-262-5973/541-485-8404 Fax 541-484-5995  
 Email: [alglabs@alglabsinc.com](mailto:alglabs@alglabsinc.com)



WJ

## CHAIN OF CUSTODY

PUC

<b>Attention:</b> Bonny Ray	<b>Client:</b> Linn Benton Lincoln ESD
<b>Phone:</b> 541-812-2712	<b>Address:</b> 905 4th Avenue SE
<b>Email:</b> <a href="mailto:bonny.ray@lblead.k12.or.us">bonny.ray@lblead.k12.or.us</a>	<b>City, State, Zip:</b> Albany, OR 97321
<b>Client Project:</b> Wake Robin	<b>Sampler:</b> Print Jean Orr
<b>Sampler:</b> Signature	

Client ID	Sample Matrix & Grab/Comp	Collection		Analysis Requested	Bottles -Lab Use Only				
		Date	Time		Type	#	Pres	T °C	Lab ID
Wake Robin Kitchen Sink	DW/Grab	8/18/16	8:30	Lead	P	1			001A
Wake Robin Restroom Next to Kitchen	↓	↓	↓	Lead	P	1			002A
Wake Robin Restroom Near Exit Door	↓	↓	↓	Lead	P	1			003A
				Lead	P	1			
				Lead	P	1			
				Lead	P	1			
				Lead	P	1			
				Lead	P	1			
				Lead	P	1			
				Lead	P	1			
				Lead	P	1			

**Notes:**  
 8/18/16 transcribed  
 Client ID's taken from bottle labels  
 SL

Preservation Check				
Lab ID	Date/Time	Pre-Preserved	pH	Tech

<b>Turn Around Time Requested (Rush incurs a Surcharge):</b> <input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH	<b>Shipped Via:</b> ALG Courier	<b>Refrigerated:</b> N/A
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<b>Relinquished by:</b> Jean Orr	<b>Date</b> 8/18/16	<b>Time</b> 4:15 PM	<b>Received by:</b> Karen Chandler	<b>Date</b> 8/18/16	<b>Time</b> 4:15
<b>Relinquished by:</b> Karen Chandler	<b>Date</b> 8/19/16	<b>Time</b> 12:51	<b>Received by:</b> John Orr	<b>Date</b> 8/19/16	<b>Time</b> 12:51
<b>Relinquished by:</b> John Orr	<b>Date</b> 8/19/16	<b>Time</b> 1510	<b>Received by Laboratory:</b> Cynthia O'Reilly	<b>Date</b> 8/19/16	<b>Time</b> 1510