



*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 23, 2016

Doug Pigman  
Greater Albany Public Schools  
3610 Grand Prairie  
Albany, OR 97322  
TEL: (541) 967-4513  
FAX

RE: North Albany Elementary

Order No.: 1607B31

Dear Doug Pigman:

Analytical Laboratory Group received 22 sample(s) on 7/22/2016 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#: 1607B31

Date: 8/23/2016

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**CLIENT:** Greater Albany Public Schools

**Project:** North Albany Elementary

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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.

Report Revised on 8/23/2016 to correct an error in the analysis date.



**WO#:** 1607B31  
**CLIENT:** Greater Albany Public Schools  
**Project:** North Albany Elementary  
**PWS Number:**  
**Sample Source:**

**Received Date:** 7/22/2016 2:06:00 PM  
**Sampler Name:** Kelsey O'Connell  
**Matrix:** Drinking Water  
**Sample Type:**

**Lab ID:** 1607B31-001      **Client Sample ID:** Rm 1 Fntn      **Collection Date:** 7/22/2016 6:15:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00491	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-002      **Client Sample ID:** Rm 1 Sink      **Collection Date:** 7/22/2016 6:15:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.0115	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-003      **Client Sample ID:** Music Rm Sink      **Collection Date:** 7/22/2016 6:16:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00484	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-004      **Client Sample ID:** Hall Fountain A      **Collection Date:** 7/22/2016 5:58:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00448	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-005      **Client Sample ID:** Staff Rm Sink      **Collection Date:** 7/22/2016 5:53:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-006      **Client Sample ID:** Office Sink      **Collection Date:** 7/22/2016 5:52:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00348	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-007      **Client Sample ID:** First Aid Rm Sink      **Collection Date:** 7/22/2016 5:52:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00592	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-008      **Client Sample ID:** Hall Fountain B      **Collection Date:** 7/22/2016 6:15:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00349	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**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

Revision v1  
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**WO#:** 1607B31  
**CLIENT:** Greater Albany Public Schools  
**Project:** North Albany Elementary  
**PWS Number:**  
**Sample Source:**

**Received Date:** 7/22/2016 2:06:00 PM  
**Sampler Name:** Kelsey O'Connell  
**Matrix:** Drinking Water  
**Sample Type:**

**Lab ID:** 1607B31-009      **Client Sample ID:** Rm 3 Sink      **Collection Date:** 7/22/2016 5:58:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-010      **Client Sample ID:** Rm 4 Sink      **Collection Date:** 7/22/2016 5:56:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-011      **Client Sample ID:** Rm 5 Sink      **Collection Date:** 7/22/2016 5:58:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-012      **Client Sample ID:** Rm 6 Sink      **Collection Date:** 7/22/2016 6:00:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-013      **Client Sample ID:** Rm 7 Sink      **Collection Date:** 7/22/2016 6:01:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-014      **Client Sample ID:** Courtyard Fntn      **Collection Date:** 7/22/2016 6:02:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00375	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-015      **Client Sample ID:** Rm 8 sink      **Collection Date:** 7/22/2016 6:04:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00215	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**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

Revision v1  
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**WO#:** 1607B31  
**CLIENT:** Greater Albany Public Schools  
**Project:** North Albany Elementary  
**PWS Number:**  
**Sample Source:**

**Received Date:** 7/22/2016 2:06:00 PM  
**Sampler Name:** Kelsey O'Connell  
**Matrix:** Drinking Water  
**Sample Type:**

**Lab ID:** 1607B31-016      **Client Sample ID:** Rm 9 sink      **Collection Date:** 7/22/2016 6:05:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-017      **Client Sample ID:** Rm 10 sink      **Collection Date:** 7/22/2016 6:06:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-018      **Client Sample ID:** Rm 11 sink      **Collection Date:** 7/22/2016 6:07:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-019      **Client Sample ID:** Kitchen Sink      **Collection Date:** 7/22/2016 6:10:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-020      **Client Sample ID:** Gym Fntn      **Collection Date:** 7/22/2016 6:09:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00676	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-021      **Client Sample ID:** Pod Wrkrm Sink A      **Collection Date:** 7/22/2016 6:05:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00628	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

**Lab ID:** 1607B31-022      **Client Sample ID:** Pod Wrkrm Sink B      **Collection Date:** 7/22/2016 6:05:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.0186	0.0200	0.00200		mg/L	8/20/2016 12:30:00 PM	PG

<b>Qualifiers:</b>	* 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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 Website:

## Accreditation Program Analytes Report

WO#: 1607B31  
 23-Aug-16

**Client:** Greater Albany Public Schools  
**Project:** North Albany Elementary

Program Name	Sample ID	ClientSampleID	Matrix	Test Name	Analyte	Status
ORELAP	1607B31-001A	Rm 1 Fntn	Drinking Water	AA Metals by SM 3113 Schools 250mL	Lead	A
	1607B31-002A	Rm 1 Sink			Lead	A
	1607B31-003A	Music Rm Sink			Lead	A
	1607B31-004A	Hall Fountain A			Lead	A
	1607B31-005A	Staff Rm Sink			Lead	A
	1607B31-006A	Office Sink			Lead	A
	1607B31-007A	First Aid Rm Sink			Lead	A
	1607B31-008A	Hall Fountain B			Lead	A
	1607B31-009A	Rm 3 Sink			Lead	A
	1607B31-010A	Rm 4 Sink			Lead	A
	1607B31-011A	Rm 5 Sink			Lead	A
	1607B31-012A	Rm 6 Sink			Lead	A
	1607B31-013A	Rm 7 Sink			Lead	A
	1607B31-014A	Courtyard Fntn			Lead	A
	1607B31-015A	Rm 8 sink			Lead	A
	1607B31-016A	Rm 9 sink			Lead	A
	1607B31-017A	Rm 10 sink			Lead	A
	1607B31-018A	Rm 11 sink			Lead	A
	1607B31-019A	Kitchen Sink			Lead	A
	1607B31-020A	Gym Fntn			Lead	A
	1607B31-021A	Pod Wrkrm Sink A			Lead	A
	1607B31-022A	Pod Wrkrm Sink B			Lead	A

ORELAP A Accredited

ACCRED



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## Definition Base

WO#: 1607B31

Date: 8/23/2016

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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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## Definition Base

WO#: 1607B31

Date: 8/23/2016

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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



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Email: [alglabs@alglabsinc.com](mailto:alglabs@alglabsinc.com)



Delivering more than just test results

## CHAIN OF CUSTODY

Attention: <u>Doug Pigman</u>	Client: <u>Greater Albany Public Schools</u>
Phone: <u>541/967-4513</u>	Address: <u>3610 Grand Prairie</u>
Email: <u>doug.pigman@alglabsinc.com</u>	City, State, Zip: <u>Albany, OR 97322</u>
Client Project: <u>North Albany Elementary</u>	Sampler: <u>Print Kelsey O'Connell</u>
	Sampler: <u>Signature</u>

Client ID	Sample Matrix & Grab/Comp	Collection		Analysis Requested	Bottles - Lab Use Only				
		Date	Time		Type	#	Pres	T °C	Lab ID
Rm 1 Fountain	DW/Grab	7-22-16	6:15a	Lead	P	1			001A
Rm 1 Sink	DW/Grab	7-22	6:15a	Lead	P	1			002A
Music Rm sink	DW/Grab	7-22	6:16a	Lead	P	1			003A
Hall Fountain A	DW/Grab	7-22	5:58a	Lead	P	1			004A
Staff Rm sink	DW/Grab	7-22	5:53a	Lead	P	1			005A
Office sink	DW/Grab	7-22	5:52a	Lead	P	1			006A
First Aid Rm sink	DW/Grab	7-22	5:52a	Lead	P	1			007A
Hall Fountain B	DW/Grab	7-22	6:15a	Lead	P	1			008A
Rm 3 sink	DW/Grab	7-22	5:58a	Lead	P	1			009A
Rm 4 sink	DW/Grab	7-22	5:56a	Lead	P	1			010A

Notes:	<b>Preservation Check</b>				
	Lab ID	Date/Time	Pre-Preserved	pH	Tech

Turn Around Time Requested (Rush incurs a Surcharge): <input checked="" type="checkbox"/> <b>NORMAL</b> <input type="checkbox"/> <b>RUSH</b>	Shipped Via: <u>ALG COURIER</u>	Refrigerated <u>NA</u>
Relinquished by:- <u>Jessica DeBore</u>	Date:      Time: 	Received by: <u>Jess B...</u>
Relinquished by:	Date:      Time: 	Date: <u>7/22/16</u> Time: <u>1320</u>
Relinquished by: <u>Jess B...</u>	Date: <u>7/22/16</u> Time: <u>1406</u>	Received by Laboratory: <u>[Signature]</u>
		Date: <u>7/22/16</u> Time: <u>1406</u>

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Attention: <u>Doug Pigman</u>	Client: <u>Greater Albany Public Schools</u>
Phone: <u>541/967-4513</u>	Address: <u>3610 Grand Prairie</u>
Email: <u>doug.pigman@alglabsinc.com</u>	City, State, Zip: <u>Albany, OR 97322</u>
Client Project: <u>NAE</u>	Sampler: <u>Print Kelsey O'Connell</u>
	Sampler: <u>Signature</u>

Client ID	Sample Matrix & Grab/Comp	Collection		Analysis Requested	Bottles - Lab Use Only				
		Date	Time		Type	#	Pres	T °C	Lab ID
Rm 5 sink	DW/Grab	7-22	5:58a	Lead	P	1			011A
Rm 6 sink	DW/Grab	7-22	6:00a	Lead	P	1			012A
Rm 7 sink	DW/Grab	7-22	6:01a	Lead	P	1			013A
Courtyard fountain	DW/Grab	7-22	6:02a	Lead	P	1			014A
Rm 8 sink	DW/Grab	7-22	6:04a	Lead	P	1			015A
Rm 9 sink	DW/Grab	7-22	6:05a	Lead	P	1			016A
Rm 10 sink	DW/Grab	7-22	6:06a	Lead	P	1			017A
Rm 11 sink	DW/Grab	7-22	6:07a	Lead	P	1			018A
Kitchen sink	DW/Grab	7-22	6:10a	Lead	P	1			019A
Gym fountain	DW/Grab	7-22	6:09a	Lead	P	1			020A

Notes:	<b>Preservation Check</b>				
	Lab ID	Date/Time	Pre-Preserved	pH	Tech

Turn Around Time Requested (Rush incurs a Surcharge): <input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH	Shipped Via: <u>ALG CARRIER</u>	Refrigerated <u>NA</u>
Relinquished by: <u>Jessica Dillone</u>	Date: <u>7/22/16</u>	Time: <u>1320</u>
Relinquished by:	Date:	Time:
Relinquished by: <u>[Signature]</u>	Date: <u>7/22/16</u>	Time: <u>1406</u>
Relinquished by:	Date:	Time:
Received by Laboratory: <u>[Signature]</u>	Date: <u>7/22/16</u>	Time: <u>1406</u>
Received by Laboratory:	Date:	Time:

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Email: [alglabs@alglabsinc.com](mailto:alglabs@alglabsinc.com)



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Phone: <u>541/967-4513</u>	Address: <u>3610 Grand Prairie</u>
Email: <u>doug.pigman@alglabsinc.com</u>	City, State, Zip: <u>Albany, OR 97322</u>
Client Project: <u>NAE</u>	Sampler: Print <u>Kelsey O'Connell</u> Sampler: Signature _____

Client ID	Sample Matrix & Grab/Comp	Collection		Analysis Requested	Bottles -Lab Use Only				
		Date	Time		Type	#	Pres	T °C	Lab ID
<u>Pod wkRm sink A</u>	<u>DW/Grab</u>	<u>7-22</u>	<u>6:05a</u>	<u>Lead</u>	<u>P</u>	<u>1</u>			<u>021A</u>
<u>Pod wkRm sink B</u>	<u>DW/Grab</u>	<u>7-22</u>	<u>6:05a</u>	<u>Lead</u>	<u>P</u>	<u>1</u>			<u>022A</u>
	<u>DW/Grab</u>			<u>Lead</u>	<u>P</u>	<u>1</u>			
	<u>DW/Grab</u>			<u>Lead</u>	<u>P</u>	<u>1</u>			
	<u>DW/Grab</u>			<u>Lead</u>	<u>P</u>	<u>1</u>			
	<u>DW/Grab</u>			<u>Lead</u>	<u>P</u>	<u>1</u>			
	<u>DW/Grab</u>			<u>Lead</u>	<u>P</u>	<u>1</u>			
	<u>DW/Grab</u>			<u>Lead</u>	<u>P</u>	<u>1</u>			
	<u>DW/Grab</u>			<u>Lead</u>	<u>P</u>	<u>1</u>			
	<u>DW/Grab</u>			<u>Lead</u>	<u>P</u>	<u>1</u>			

Notes:	<b>Preservation Check</b>					
		Lab ID	Date/Time	Pre-Preserved	pH	Tech

Turn Around Time Requested (Rush incurs a Surcharge): <input checked="" type="checkbox"/> <u>NORMAL</u> <input type="checkbox"/> <u>RUSH</u>	Shipped Via: <u>ALG COURIER</u>	Refrigerated: <u>NA</u>
Relinquished by: <u>Jessica Dubone</u>	Received by: <u>[Signature]</u>	Date: <u>7/22/16</u> Time: <u>1320</u>
Relinquished by:	Received by:	Date:      Time:
Relinquished by: <u>[Signature]</u>	Received by Laboratory: <u>[Signature]</u>	Date: <u>7/22/16</u> Time: <u>1406</u>