



*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 16, 2016

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

RE: Tangent

Order No.: 1607768

Dear Doug Pigman:

Analytical Laboratory Group received 17 sample(s) on 7/15/2016 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#: 1607768

Date: 8/16/2016

CLIENT: Greater Albany Public Schools

Project: Tangent

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.



WO#: 1607768
CLIENT: Greater Albany Public Schools
Project: Tangent
PWS Number:
Sample Source:

Received Date: 7/15/2016 10:36:00 AM
Sampler Name Kristina Groome Jessica Dilb
Matrix: Drinking Water
Sample Type:

Lab ID: 1607768-001 **Client Sample ID** Gym Fountain **Collection Date:** 7/15/2016 5:52:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00743	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-002 **Client Sample ID** Office Hall Fountain **Collection Date:** 7/15/2016 5:52:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00799	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-003 **Client Sample ID** Kitchen Sink A **Collection Date:** 7/15/2016 6:02:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00341	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-004 **Client Sample ID** Kitchen Sink B **Collection Date:** 7/15/2016 6:03:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00533	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-005 **Client Sample ID** Fountain A Across Library **Collection Date:** 7/15/2016 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	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-006 **Client Sample ID** Staff Rm Sink **Collection Date:** 7/15/2016 5:54:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00965	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-007 **Client Sample ID** Office RR Sink **Collection Date:** 7/15/2016 5:54:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.0138	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-008 **Client Sample ID** Rm 11 Sink **Collection Date:** 7/15/2016 6:05:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.0290	0.0200	0.00400	*	mg/L	8/15/2016 7:59:00 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

WO#: 1607768
CLIENT: Greater Albany Public Schools
Project: Tangent
PWS Number:
Sample Source:

Received Date: 7/15/2016 10:36:00 AM
Sampler Name Kristina Groome Jessica Dilb
Matrix: Drinking Water
Sample Type:

Lab ID: 1607768-009 **Client Sample ID** Rm 1 Sink **Collection Date:** 7/15/2016 5:55:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-010 **Client Sample ID** Rm 2 Sink **Collection Date:** 7/15/2016 5:56:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.0147	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-011 **Client Sample ID** Rm 3 Sink **Collection Date:** 7/15/2016 5:57:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.0213	0.0200	0.00400	*	mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-012 **Client Sample ID** Rm 5 Sink **Collection Date:** 7/15/2016 5:58:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.0227	0.0200	0.00400	*	mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-013 **Client Sample ID** Rm 6 Sink **Collection Date:** 7/15/2016 5:59:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	ND	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-014 **Client Sample ID** Rm 12 Sink **Collection Date:** 7/15/2016 6:03:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00935	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-015 **Client Sample ID** Rm 13 Sink **Collection Date:** 7/15/2016 6:04:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00305	0.0200	0.00200		mg/L	8/15/2016 7:59:00 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



ALG ORELAP ID #OR100012
 361 West 5th Ave
 Eugene, OR 97401
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Analytical Report

Date Reported **8/16/2016**

WO#: 1607768
CLIENT: Greater Albany Public Schools
Project: Tangent
PWS Number:
Sample Source:

Received Date: 7/15/2016 10:36:00 AM
Sampler Name Kristina Groome Jessica Dilb
Matrix: Drinking Water
Sample Type:

Lab ID: 1607768-016 **Client Sample ID** Rm 14 Sink **Collection Date:** 7/15/2016 6:02:00 AM

Analyses	Method	Result	MCL	RL	Qual	Units	Date Analyzed	Analys
Lead	SM 3113 B	0.00754	0.0200	0.00200		mg/L	8/15/2016 7:59:00 PM	PG

Lab ID: 1607768-017 **Client Sample ID** Fountain B Across Library **Collection Date:** 7/15/2016 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	8/15/2016 7:59:00 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



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**Accreditation Program
 Analytes Report**
 WO#: 1607768
 16-Aug-16

Client: Greater Albany Public Schools
Project: Tangent

Program Name	Sample ID	ClientSampleID	Matrix	Test Name	Analyte	Status
ORELAP	1607768-001A	Gym Fountain	Drinking Water	AA Metals by SM 3113 Schools 250mL	Lead	A
	1607768-002A	Office Hall Fountain			Lead	A
	1607768-003A	Kitchen Sink A			Lead	A
	1607768-004A	Kitchen Sink B			Lead	A
	1607768-005A	Fountain A Across Library			Lead	A
	1607768-006A	Staff Rm Sink			Lead	A
	1607768-007A	Office RR Sink			Lead	A
	1607768-008A	Rm 11 Sink			Lead	A
	1607768-009A	Rm 1 Sink			Lead	A
	1607768-010A	Rm 2 Sink			Lead	A
	1607768-011A	Rm 3 Sink			Lead	A
	1607768-012A	Rm 5 Sink			Lead	A
	1607768-013A	Rm 6 Sink			Lead	A
	1607768-014A	Rm 12 Sink			Lead	A
	1607768-015A	Rm 13 Sink			Lead	A
	1607768-016A	Rm 14 Sink			Lead	A
	1607768-017A	Fountain B Across Library			Lead	A



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Website:

Definition Base

WO#: 1607768

Date: 8/16/2016

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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Website:

Definition Base

WO#: 1607768

Date: 8/16/2016

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.

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 Email: alglabs@alglabsinc.com



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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@albanyschools.k12.or.us</u>	City, State, Zip: <u>Albany, OR 97322</u>
Client Project: <u>Tangent</u>	Sampler: Print <u>Kristina Groome</u> <u>Jessica Dilbone</u>
	Sampler: Signature

Client ID	Sample Matrix & Grab/Comp	Collection		Analysis Requested	Bottles -Lab Use Only				
		Date	Time		Type	#	Pres	T °C	Lab ID
Gym Fountain	DW/Grab	7-15	5:52	Lead	P	1			<u>001A</u> <u>002A</u>
Office Hall Fountain	DW/Grab	7-15	5:52	Lead	P	1			<u>003A</u> <u>004A</u>
Kitchen Sink A	DW/Grab	7-15	6:02	Lead	P	1			<u>003A</u> <u>008A</u>
Kitchen Sink B	DW/Grab	7-15	6:03	Lead	P	1			<u>001A</u> <u>009A</u>
Fountain across library	DW/Grab	7-15	6:00	Lead	P	1			<u>003A</u> <u>010A</u>
Staff Rm Sink	DW/Grab	7-15	5:54	Lead	P	1			<u>006A</u> <u>011A</u>
Office RR Sink	DW/Grab	7-15	5:54	Lead	P	1			<u>007A</u> <u>012A</u>
Rm 11 Sink	DW/Grab	7-15	6:05	Lead	P	1			<u>008A</u> <u>013A</u>
Rm 1 Sink	DW/Grab	7-15	5:55	Lead	P	1			<u>009A</u> <u>014A</u>
Rm 2 Sink	DW/Grab	7-15	5:56	Lead	P	1			<u>010A</u> <u>015A</u>

Notes:

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

Turn Around Time Requested (Rush incurs a Surcharge): NORMAL RUSH

Shipped Via: ALG COURIER Refrigerated: NA

Relinquished by: <u>[Signature]</u>	Date	Time	Received by: <u>[Signature]</u>	Date	Time
	<u>7/15</u>	<u>7:23</u>		<u>7/15/16</u>	<u>0935</u>
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: <u>[Signature]</u>	Date	Time	Received by Laboratory: <u>[Signature]</u>	Date	Time
	<u>7/15/16</u>	<u>1036</u>		<u>7/15/16</u>	<u>10:36</u>

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Email: <u>doug.pigman@albanyschools.k12.or.us</u>	City, State, Zip: <u>Albany, OR 97322</u>
Client Project: <u>Tangent</u>	Sampler: <u>Print Kristina Groome Jessica Dilbone</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 3 Sink	DW/Grab	7-15	5:57	Lead	P	1			011A
Rm 5 Sink	DW/Grab	7-15	5:58	Lead	P	1			012A
Rm 6 Sink	DW/Grab	7-15	5:59	Lead	P	1			013A
Rm 12 Sink	DW/Grab	7-15	6:03	Lead	P	1			014A
Rm 13 Sink	DW/Grab	7-15	6:04	Lead	P	1			015A
Rm 14 Sink	DW/Grab	7-15	6:02	Lead	P	1			016A
Fountain across library	DW/Grab	7-15	6:00	Lead	P	1			017A
Rm 15 Sink	DW/Grab	7-15		Lead	P	1			018A
	DW/Grab			Lead	P	1			
	DW/Grab			Lead	P	1			

014A
015A
016A

Notes:

Preservation Check				
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>[Signature]</u>	Received by: <u>[Signature]</u>	Date: <u>7/15/16</u> Time: <u>0945</u>
Relinquished by:	Received by:	Date: _____ Time: _____
Relinquished by: <u>[Signature]</u>	Received by Laboratory: <u>[Signature]</u>	Date: <u>7/15/16</u> Time: <u>10:36</u>