



# NEILSON RESEARCH CORPORATION

*Environmental Testing Laboratory*

8/17/2016

Rick Rose  
Medford School District  
815 S Oakdale Ave  
Medford, OR 97501

TEL: (541) 842-1138

FAX: 541-842-1160

RE: 16-08 McLoughlin Lead Study

Order No.: 1608809

Dear Rick Rose:

Neilson Research Corporation received 3 sample(s) on 8/15/2016 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,  
Neilson Research Corporation

Alec C Smith  
Project Manager

# Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

## Analysis Report

ORELAP 100016  
EPA OR00028

**CLIENT:** Medford School District  
**Project:** 16-08 McLoughlin Lead Study  
**Lab Order:** 1608809

**Date:** 17-Aug-16

## CASE NARRATIVE

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

# Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

## Analysis Report

ORELAP 100016  
EPA OR00028

Medford School District  
815 S Oakdale Ave  
Medford, OR 97501

Lab Order: **1608809**  
NRC Sample ID: **1608809-01A**  
Collection Date: **8/13/2016 9:27:00 PM**  
Received Date: **8/15/2016 8:10:00 AM**  
Reported Date: **8/17/2016 4:19:49 PM**

### Sample Information:

16-08 McLoughlin Lead Study

Client Sample ID: Bottle #10150  
Collectors Name: John Jessen  
Sample Location: Rm 103 DF Bypass Replace  
Source: City Water

## ANALYTICAL RESULTS

Analyses	Method	NELAP Accredited	Result	Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
Lead	EPA 200.8	A	0.00122		0.000103	mg/L	0.020 AL	8/15/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

## Analysis Report

ORELAP 100016  
EPA OR00028

Medford School District  
815 S Oakdale Ave  
Medford, OR 97501

Lab Order: **1608809**  
NRC Sample ID: **1608809-02A**  
Collection Date: **8/13/2016 9:24:00 PM**  
Received Date: **8/15/2016 8:10:00 AM**  
Reported Date: **8/17/2016 4:19:49 PM**

### Sample Information:

**16-08 McLoughlin Lead Study**

Client Sample ID: Bottle #10250  
Collectors Name: John Jessen  
Sample Location: Rm 102 DF Bypass Replace  
Source: City Water

## ANALYTICAL RESULTS

Analyses	Method	NELAP Accredited	Result	Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
Lead	EPA 200.8	A	<b>0.000767</b>		0.000103	mg/L	0.020 AL	8/15/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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## Analysis Report

ORELAP 100016  
EPA OR00028

Medford School District  
815 S Oakdale Ave  
Medford, OR 97501

Lab Order: **1608809**  
NRC Sample ID: **1608809-03A**  
Collection Date: **8/13/2016 9:17:00 PM**  
Received Date: **8/15/2016 8:10:00 AM**  
Reported Date: **8/17/2016 4:19:49 PM**

### Sample Information:

16-08 McLoughlin Lead Study

Client Sample ID: Bottle #10350  
Collectors Name: John Jessen  
Sample Location: Rm 111 DF Bypass Replace  
Source: City Water

## ANALYTICAL RESULTS

Analyses	Method	NELAP Accredited	Result	Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
Lead	EPA 200.8	A	0.00428		0.0001	mg/L	0.020 AL	8/16/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

CLIENT: Medford School District  
 Work Order: 1608809  
 Project: 16-08 McLoughlin Lead Study

**ANALYTICAL QC SUMMARY REPORT**

TestCode: ICPMS\_200.8\_SCHOOL

Sample ID: <b>MB-36258</b>	SampType: <b>MBLK</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>8/15/2016</b>	RunNo: <b>89227</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>36258</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>8/15/2016</b>	SeqNo: <b>1345702</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.000103

Sample ID: <b>MB-36259</b>	SampType: <b>MBLK</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>8/16/2016</b>	RunNo: <b>89252</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>36259</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>8/16/2016</b>	SeqNo: <b>1346364</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.000100

Sample ID: <b>LCS-36258</b>	SampType: <b>LCS</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>8/15/2016</b>	RunNo: <b>89227</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>36258</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>8/15/2016</b>	SeqNo: <b>1345703</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.09553 0.000104 0.1 0 95.5 85 115

Sample ID: <b>LCS-36259</b>	SampType: <b>LCS</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>8/16/2016</b>	RunNo: <b>89252</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>36259</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>8/16/2016</b>	SeqNo: <b>1346365</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.1023 0.000100 0.1 0 102 85 115

Sample ID: <b>1608809-02AMS</b>	SampType: <b>MS</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>8/15/2016</b>	RunNo: <b>89227</b>						
Client ID: <b>Bottle #10250</b>	Batch ID: <b>36258</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>8/15/2016</b>	SeqNo: <b>1345706</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.09578 0.000104 0.1 0.0007667 95.0 70 130

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not Detected at the Minimum Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Medford School District  
 Work Order: 1608809  
 Project: 16-08 McLoughlin Lead Study

**ANALYTICAL QC SUMMARY REPORT**

TestCode: ICPMS\_200.8\_SCHOOL

Sample ID: <b>1608809-03AMS</b>	SampType: <b>MS</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>8/16/2016</b>	RunNo: <b>89252</b>						
Client ID: <b>Bottle #10350</b>	Batch ID: <b>36259</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>8/16/2016</b>	SeqNo: <b>1346368</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.1062	0.000100	0.1	0.004275	102	70	130				
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Sample ID: <b>1608809-02AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>8/15/2016</b>	RunNo: <b>89227</b>						
Client ID: <b>Bottle #10250</b>	Batch ID: <b>36258</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>8/15/2016</b>	SeqNo: <b>1345707</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.09556	0.000104	0.1	0.0007667	94.8	70	130	0.09578	0.239	20	
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Sample ID: <b>1608809-03AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>8/16/2016</b>	RunNo: <b>89252</b>						
Client ID: <b>Bottle #10350</b>	Batch ID: <b>36259</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>8/16/2016</b>	SeqNo: <b>1346369</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.1073	0.000100	0.1	0.004275	103	70	130	0.1062	1.03	20	
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**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not Detected at the Minimum Reporting Limit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted recovery limits



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**MUSH**

This Chain of Custody is a LEGAL DOCUMENT and must be filled out accurately.

*McLaughlin*

### Chain of Custody Record

<b>Section A</b>		<b>Section B</b>		<b>Section C</b>		<b>Section D</b>	
<b>Required Client Information</b>		<b>Required Project Information</b>		<b>Invoice Information</b>		<b>Rush Status (Subject to Scheduling)</b>	
Company: <i>Hill S.A. Dist. 549C</i>	Project Name: <i>2016 Lead Testing</i>	Attention:	Company Name:	<input type="checkbox"/> Standard 10-14 Days <input type="checkbox"/> 5 Business Days (50% surcharge) <input checked="" type="checkbox"/> 3 Business Days (75% surcharge) <input type="checkbox"/> 24 - 48 hours (100% surcharge) Other _____			
Address: <i>815 S Oakdale</i>	Project Number: <i>16-08 / McDouglin</i>	Address:		Authorized: Yes ___ No ___			
Email: <i>W.K. McLaughlin@neilson.com</i>	Report To: <i>W.K. McLaughlin@neilson.com</i>	P.O. #					
Phone: <i>541-944-5613</i>	Copy To: <i>W.K. McLaughlin@neilson.com</i>						
Collected By (Print): <i>John Soren</i>							
Collected By (Sign): <i>[Signature]</i>							
Email Report <input checked="" type="checkbox"/> Yes ___ No ___							
Fax Report <input type="checkbox"/> Yes ___ No ___							

Sample ID	Empy/grab	Matrix*	Date Collected	Time Collected	No. of Containers		Analysis Requested	
					Lead			
<i>Rm 103 DE Bypass Replace</i>	<i>10150</i>		<i>8/13/16</i>	<i>9:27pm</i>	1			
<i>Rm 102 DE Bypass Replace</i>	<i>10850</i>			<i>9:34pm</i>	1			
<i>Rm 111 DE Bypass Replace</i>	<i>10350</i>			<i>9:42pm</i>	1			

\*Matrix: DW - Drinking Water WW - Wastewater W - Water S - Soil/Solid SL - Sludge O - Oil WP - Wipe OT - Other

<b>Section E</b>		<b>Section F</b>		<b>Section G</b>	
<b>Sample Information</b>		<b>Relinquish/Receive</b>		<b>Lab Use Only</b>	
Bottle #		Print		Temp: <i>AMBIENT</i>	
		<i>John Soren</i>		4°C +/- 2°C: Yes ___ No ___	
				Received on Ice: Yes ___ No ___	
				Number of Bottles Received: <i>3</i>	
				pH Checked: <i>NT</i>	
				COC Status Intact: Yes ___ No ___	
				Field Blank Included: Yes ___ No ___	
				Received Via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other <input checked="" type="checkbox"/> Hand	
				Payment: <input type="checkbox"/> Invoice <input type="checkbox"/> Cash <input type="checkbox"/> VISA, MC <input type="checkbox"/> Check # _____ Amount _____	