



# NEILSON RESEARCH CORPORATION

*Environmental Testing Laboratory*

3/29/2019

Ron Havnear  
Medford School District  
815 S Oakdale Ave  
Medford, OR 97501

TEL: 541-842-3646

FAX 541-842-1160

RE: 18-56 Washington 2019 Lead & Copper

Order No.: 1903A98

Dear Ron Havnear:

Neilson Research Corporation received 6 sample(s) on 3/27/2019 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

Tamra R. Schmedemann  
Project Manager

# Neilson Research Corporation

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

## Analysis Report

ORELAP 100016  
EPA OR0028

**CLIENT:** Medford School District  
**Project:** 18-56 Washington 2019 Lead & Copper Testing  
**Lab Order:** 1903A98

**Date:** 29-Mar-19

## 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.

The EPA recommended action level for lead in schools is 0.015 mg/L.

# 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: **1903A98**

Received Date: **3/27/2019 3:47:00 PM**

Reported Date: **3/29/2019 2:01:53 PM**

Sample Information: 18-56 Washington 2019 Lead & Copper Testing

### Lab ID: 1903A98-01

Collection Date: 3/27/2019 2:45:00 PM

Matrix: DRINKING WATER

Client Sample ID: Kitchen-Sink (Food Prep-S Wall)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS				Dilution	Analyst: <b>JWC</b>	NELAP
Analyses	Result	Qual	MRL	Factor	Date Analyzed	Accredited
<b>Copper</b>	<b>0.198</b>		0.0005	1	3/28/2019	A
<b>Lead</b>	<b>0.000155</b>		0.0001	1	3/28/2019	A

### Lab ID: 1903A98-02

Collection Date: 3/27/2019 2:47:00 PM

Matrix: DRINKING WATER

Client Sample ID: La Clinica-Exam Rm #1-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS				Dilution	Analyst: <b>JWC</b>	NELAP
Analyses	Result	Qual	MRL	Factor	Date Analyzed	Accredited
<b>Copper</b>	<b>0.0338</b>		0.0005	1	3/28/2019	A
<b>Lead</b>	<b>0.000725</b>		0.0001	1	3/28/2019	A

### Lab ID: 1903A98-03

Collection Date: 3/27/2019 2:50:00 PM

Matrix: DRINKING WATER

Client Sample ID: Staff Break Rm (Rm 13)-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS				Dilution	Analyst: <b>JWC</b>	NELAP
Analyses	Result	Qual	MRL	Factor	Date Analyzed	Accredited
<b>Copper</b>	<b>0.0330</b>		0.0005	1	3/28/2019	A
<b>Lead</b>	<b>0.000230</b>		0.0001	1	3/28/2019	A

### Lab ID: 1903A98-04

Collection Date: 3/27/2019 2:55:00 PM

Matrix: DRINKING WATER

Client Sample ID: Room 20-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS				Dilution	Analyst: <b>JWC</b>	NELAP
Analyses	Result	Qual	MRL	Factor	Date Analyzed	Accredited
<b>Copper</b>	<b>0.0385</b>		0.0005	1	3/28/2019	A
<b>Lead</b>	<b>0.000875</b>		0.0001	1	3/28/2019	A

### Lab ID: 1903A98-05

Collection Date: 3/27/2019 2:57:00 PM

Matrix: DRINKING WATER

Client Sample ID: Room 24-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS				Dilution	Analyst: <b>JWC</b>	NELAP
Analyses	Result	Qual	MRL	Factor	Date Analyzed	Accredited
<b>Copper</b>	<b>0.0625</b>		0.0005	1	3/28/2019	A
<b>Lead</b>	<b>0.000528</b>		0.0001	1	3/28/2019	A

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Minimum Reporting Limit

# 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: **1903A98**

Received Date: **3/27/2019 3:47:00 PM**

Reported Date: **3/29/2019 2:01:54 PM**

Sample Information: 18-56 Washington 2019 Lead & Copper Testing

**Lab ID: 1903A98-06**

Collection Date: 3/27/2019 2:58:00 PM

Matrix: DRINKING WATER

Client Sample ID: Room 29-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: <b>JWC</b>	NELAP Accredited
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	
<b>Copper</b>	<b>0.0741</b>		0.0005	mg/L	1	3/28/2019	A
<b>Lead</b>	<b>0.00388</b>		0.0001	mg/L	1	3/28/2019	A

### Qualifiers:

\* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Minimum Reporting Limit

**CLIENT:** Medford School District  
**Work Order:** 1903A98  
**Project:** 18-56 Washington 2019 Lead & Copper Testing

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: ICPMS\_200.8\_SCHOOL**

Sample ID <b>MB-44107</b>	SampType: <b>MBLK</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>3/28/2019</b>	RunNo: <b>111132</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>44107</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>3/28/2019</b>	SeqNo: <b>1706491</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	ND	0.000500									
Lead	ND	0.000100									

Sample ID <b>LCS-44107</b>	SampType: <b>LCS</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>3/28/2019</b>	RunNo: <b>111132</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>44107</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>3/28/2019</b>	SeqNo: <b>1706492</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	0.09514	0.000500	0.1	0	95.1	85	115				
Lead	0.09885	0.000100	0.1	0	98.8	85	115				

Sample ID <b>1903A78-01AMS</b>	SampType: <b>MS</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>3/28/2019</b>	RunNo: <b>111132</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>44107</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>3/28/2019</b>	SeqNo: <b>1706500</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	0.1129	0.000500	0.1	0.0268	86.1	70	130				
Lead	0.09894	0.000100	0.1	0.006007	92.9	70	130				

Sample ID <b>1903A78-01AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>3/28/2019</b>	RunNo: <b>111132</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>44107</b>	TestNo: <b>EPA 200.8</b>	<b>(EPA 200.8)</b>	Analysis Date: <b>3/28/2019</b>	SeqNo: <b>1706501</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	0.1196	0.000500	0.1	0.0268	92.8	70	130	0.1129	5.72	20	
Lead	0.1064	0.000100	0.1	0.006007	100	70	130	0.09894	7.32	20	

**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

# Chain of Custody Record

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

**RUSH**

<b>Section A Required Client Information</b>		<b>Section B Required Project Information</b>		<b>Section C Invoice Information</b>		<b>Section D Rush Status (Subject to Scheduling)</b>	
Company: MSD 549C	Project Name: 2019 Lead Testing	Attention: Accounting	Standard 10-14 Days	5 Business Days (50% surcharge)			
Address: 815 South Oakdale Avenue Medford, OR 97501	Project Number: 18-56 Washington	Company Name: Medford School District	3 Business Days (75% surcharge)	3 Business Days (100% surcharge)			
Email: ron.havnear@medford.k12.or.us	Report To: ron.havnear@medford.k12.or.us	Address: 815 South Oakdale Avenue Medford, OR 97501	Other				
Phone: 541-840-4315 Fax:	Copy To: andy.chasteen@medford.k12.or.us	P.O. # 61172	Authorized Yes No				

Section E Sample Information	Sample ID	Matrix*	Date Collected	Time Collected	No. of Containers	Analysis Requested										NRC Worker # (Lab Use Only)	NRC Sample # (Lab Use Only)
						Copper	Lead										
Kitchen - Sink (Food Prep - South Wall)		DW	3/27/2019	2:45	1												1903A918
Clinica - Exam Room # 1 - Sink		DW	3/27/2019	2:47	1												O1A
Staff Break Room (Room 13) - Sink		DW	3/27/2019	2:50	1												O2A
Room 20 - Sink		DW	3/27/2019	2:55	1												O3A
Room 24 - Sink		DW	3/27/2019	2:57	1												O4A
Room 29 - Sink		DW	3/27/2019	2:58	1												O5A
					1												O6A
					1												
					1												
					1												
					1												
					1												
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					1												
					1												

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



**Section G**  
Lab Use Only

Temp: Umb

4°C +/- 2°C: Yes  No

Received on Ice: Yes  No

Number of Bottles Received: 6

pH Checked:

COC Seals Intact: Yes  No

Field Blank Included: Yes  No

Received Via:  UPS  VISA/M/C  Check #

Amount:  Other

**Section F**

Relinquish/Receive

Relinquished By: Andy J. Chasteen Date: 3/27/19 Time: 3:47

Received By: Naomi Or

Relinquished By: Naomi Or

Received By Laboratory: Naomi Or

**NEILSON RESEARCH CORPORATION (NRC) STANDARD TERMS AND CONDITIONS**

Warranty and Limits of Liability: In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied. We disclaim any other warranties, expressed or implied, including a Warranty of Fitness for Particular Purpose and Warranty of Merchantability. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by the company which includes any condition that varies from this Standard Terms and Conditions, and NRC hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Retention of Samples: After the analytical results have been reported to the address indicated on the reverse of this form, samples are routinely retained in our storage facilities according to the following schedule. Hazardous samples will be picked up by the client or returned to the client immediately after analysis. Prior arrangements must be made if samples are to be held for periods longer than those indicated. NRC may charge a monthly fee for long-term storage. Unrefrigerated long-term storage is available at \$10.00 per sample per month.

Sample type: Hazardous None All other samples

Retention Time: (Client deliver and pick up) 1 month

(Note: Water tested for Total Coliforms is discarded immediately after the analysis)

Retention of Reports: After analytical results have been reported to the client, NRC shall retain copies of such analytical reports for a minimum of five years. If a client requests additional copies of such analytical reports during the retention period, an additional charge will apply for the preparation and printing of such reports.

Sample Containers/Sample Collection: We will provide and ship the appropriate sample containers to our clients to return to NRC for analysis, at no charge, via non-priority shipping status. Clients requesting overnight or rush delivery of sample containers will be invoiced for the associated charges. NRC personnel are available for the on-site collection of samples and can explain sample collection procedures and techniques to clients. It is the responsibility of the client to ensure proper sampling and to bear the cost of delivering samples to the laboratory under the proper storage/preservation conditions. We cannot be held responsible for sample integrity unless the sampling has been performed by a member of our staff.

Additional Service Orders: Requests for analytical services may be made by telephone, fax, or in writing. The client must confirm all requests for services in writing. We cannot be responsible for holding times that are exceeded for samples delivered on weekends or after 5:00 p.m. on weekdays if delivery is made without prior notification and approval. NRC reserves the right to refuse to proceed with an analytical request if the client fails to provide acceptable written analytical request or to establish a customer credit agreement.

Prior to submission of environmental samples, the client should develop an appropriate QA/QC plan. This plan should identify, among other items the intent of the project, sample collection and preservation requirements, types of QC samples that are required (e.g. matrix spikes, matrix spike duplicates, field blanks, transfer blanks), laboratory analyses/methods to be performed, minimum data reporting requirements and required sample TAT. This plan should be submitted to NRC prior to sample submission. Unless such a plan is submitted, NRC shall not be responsible for project-specific QA/QC requirements. NRC personnel can assist in the preparation of project QA/QC plans.

Additional QC samples which might be requested, and which we consider "project-specific," are billed at the applicable unit price for the test(s). Such additional charges will apply to project-specific QA/QC samples for batches with fewer than ten samples; and to field/trip/transfer QA/QC samples. Samples with multiple phases (e.g. Waterloo) will have each phase processed, analyzed, and billed as a distinct entity unless instructions accompanying the sample specify otherwise.

When requested, NRC may release verbal or fax results in advance of the written report of results. Such

less otherwise agreed in a formal contract, services provided by NRC are expressly limited to the terms and conditions stated herein.

Confidentiality: Strict confidentiality is maintained in all of our dealings with clients. Confidentiality agreements, therefore, are signed willingly. In any instance where information is subpoenaed and must be released to a regulatory or legal body, the client is promptly notified. Likewise, the client agrees to respect all such relationships of trust. Client agrees not to use NRC's name and/or data in any manner which might cause harm to the company's reputation and/or business.

Payment Terms: Payment in advance is required for all clients except those whose credit has been established with our company. For clients with NRC-approved credit, payment terms are net balance due 30 days from the date of invoice, after which time a 1 1/2 % per month late charge is added to all unpaid balances. Client has the right to ask for payment in advance if the established payment terms are not adhered to. In the event of default in payment for services rendered, the client is responsible for reasonable collection charges including any court costs and attorney's fees incurred by NRC.

Billing: All fees are charged or billed directly to the client. The billing of a third party is not accepted without a signed statement in which the third party acknowledges and accepts payment responsibility. (Note: NRC is responsible for re-collecting samples whose holding times have been exceeded due to late or unauthorized requests for third-party billing). It is necessary for us to assume that the paperwork submitted with a sample describes the testing protocol desired. Any changes to this protocol must be submitted to NRC in writing. However, if changes are made after the originally requested testing is initiated or has been completed, the client must accept payment responsibility. We cannot be responsible for holding times that are exceeded due to such changes. Please send all requests for changes marked: "Client Service—URGENT!" or fax number is (541) 770-2901.

Discounts: Economy-of-scale discounts are available and are determined by the number of samples and the nature and spectrum of the requested analyses. For established clients, discount rates are reevaluated annually, and a new rate is applied to future invoices based upon the previous year's volume of work, type of analyses, ease of scheduling, and work continuity. For clients with intermittent analytical needs, discounts may be extended based upon the quantity of work submitted at one time (\$1000-\$4900 = 5/10 net 30, \$5000+ = 10/10 net 30). All discounts are contingent upon meeting payment terms. NRC reserves the right to apply discounts on late payments. No discounts apply to services provided by hourly rate, supplies, equipment or subcontractors, etc.

Analysis: A surcharge is added to the list fee if rapid turnaround time (TAT) is requested. The surcharge for rush TAT will be List x 1.5 for 5-day TAT, List x 1.75 for 3-day TAT, List x 2 for 1-2 business days, and List x 3 for weekends and holidays. Standard TAT is 10 working days. Rush analysis service is contingent upon laboratory workload and must be prearranged with NRC. However, any sample delivered after 3:00 p.m. will not be entered in to our rush analyses handling system until the next business day.

Hazardous Materials/Substances/Wastes: Unused portions of samples found or suspected to be hazardous according to state or federal guidelines shall be picked up by the client upon completion of the analytical work. The cost of returning the sample or for disposal shall be invoiced to the client. The sample and portions thereof remain the property of the client at all times. (Note: For the protection of laboratory personnel, samples which might present health hazards, such as those containing high levels of toxic materials, must be clearly marked and identified.)

Reports: NRC prohibits use of its name in connection with any unauthorized conclusions based on its reports without its prior written consent.

Special Reports: Additional charges may be necessary for customized reports which differ significantly from a NRC format. No reports or copies thereof will be sent to anyone other than the client unless the client