



Neilson Research Corporation  
245 S Grape St  
Medford, OR 97501  
TEL: (541) 770-5678 FAX: (541) 770-2901  
Website: [www.nrclabs.com](http://www.nrclabs.com)

March 20, 2020

Ron Havniet  
Medford School District  
815 S Oakdale Ave  
Medford, OR 97501  
TEL: 541-842-3646  
FAX: 541-842-1160

RE: 18-00 Central 2020 Lead Testing

Order No.: 20030605

Dear Ron Havniet:

Neilson Research Corporation received 8 sample(s) on 3/13/2020 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 Schmedemann  
Senior Project Manager  
245 S Grape St  
Medford, OR 97501

Original



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## Case Narrative

WO#: 20030605  
Date: 3/20/2020

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**CLIENT:** Medford School District

**Project:** 18-00 Central 2020 Lead Testing

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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.

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## Analytical Report

WO#: 20030605

Date Reported: 3/20/2020

Medford School District  
815 S Oakdale Ave  
Medford, OR 97501

**Lab Order:** 20030605  
**Received Date:** 3/13/2020 8:24:00 AM  
**Reported Date:** 3/20/2020 10:23:43 AM

Sample Information:

**Lab ID:** 20030605-01 **Client Sample ID:** Across From Room 126 - DF (Hallway)  
**Collection Date:** 3/13/2020 7:45:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Across From Room 126 - DF (Hallway)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000560		0.000103	mg/L	1	3/17/2020	0.0150	A

**Lab ID:** 20030605-02 **Client Sample ID:** Hallway in Front of Main Office - DF (Lower)  
**Collection Date:** 3/13/2020 7:48:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Hallway in Front of Main Office - DF (Lower)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000112		0.000103	mg/L	1	3/17/2020	0.0150	A

**Lab ID:** 20030605-03 **Client Sample ID:** Room 108 Little Theater - DF  
**Collection Date:** 3/13/2020 7:52:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Room 108 Little Theater - DF

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	ND		0.000103	mg/L	1	3/17/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MI	Recovery outside control limits due to Matrix Interference
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	R	RPD outside accepted recovery limits		

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## Analytical Report

WO#: 20030605

Date Reported: 3/20/2020

Medford School District  
815 S Oakdale Ave  
Medford, OR 97501

**Lab Order:** 20030605  
**Received Date:** 3/13/2020 8:24:00 AM  
**Reported Date:** 3/20/2020 10:23:43 AM

Sample Information:

**Lab ID:** 20030605-04 **Client Sample ID:** Hallway in Front of Room 144 - DF  
**Collection Date:** 3/13/2020 7:54:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Hallway in Front of Room 144 - DF

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00117		0.000103	mg/L	1	3/17/2020	0.0150	A

**Lab ID:** 20030605-05 **Client Sample ID:** Kitchen - Sink (Food Prep - Island)  
**Collection Date:** 3/13/2020 7:56:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Kitchen - Sink (Food Prep - Island)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00307		0.000103	mg/L	1	3/17/2020	0.0150	A

**Lab ID:** 20030605-06 **Client Sample ID:** Outside Room 226 in Hall - DF (Lower)  
**Collection Date:** 3/13/2020 8:00:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Outside Room 226 in Hall - DF (Lower)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000661		0.000103	mg/L	1	3/17/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MI	Recovery outside control limits due to Matrix Interference
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	R	RPD outside accepted recovery limits		

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## Analytical Report

WO#: 20030605

Date Reported: 3/20/2020

Medford School District  
815 S Oakdale Ave  
Medford, OR 97501

**Lab Order:** 20030605  
**Received Date:** 3/13/2020 8:24:00 AM  
**Reported Date:** 3/20/2020 10:23:43 AM

### Sample Information:

**Lab ID:** 20030605-07 **Client Sample ID:** Room 275 (Staff Break Room) - Sink  
**Collection Date:** 3/13/2020 8:02:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Room 275 (Staff Break Room) - Sink

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	ND		0.000103	mg/L	1	3/17/2020	0.0150	A

**Lab ID:** 20030605-08 **Client Sample ID:** In Main Gym (SE Corner) - DF  
**Collection Date:** 3/13/2020 8:08:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** In Main Gym (SE Corner) - DF

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000525		0.000103	mg/L	1	3/17/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MI	Recovery outside control limits due to Matrix Interference
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	R	RPD outside accepted recovery limits		

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## QC SUMMARY REPORT

WO#: 20030605

20-Mar-20

**Client:** Medford School District  
**Project:** 18-00 Central 2020 Lead Testing

**TestCode:** LEAD\_DW

Sample ID: <b>MB-3346</b>	SampType: <b>MBLK</b>	TestCode: <b>LEAD_DW</b>	Units: <b>mg/L</b>	Prep Date: <b>3/16/2020</b>	RunNo: <b>8374</b>						
Client ID: <b>PBW</b>	Batch ID: <b>3346</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>3/17/2020</b>	SeqNo: <b>151615</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	ND	0.000103									
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Sample ID: <b>LCS-3346</b>	SampType: <b>LCS</b>	TestCode: <b>LEAD_DW</b>	Units: <b>mg/L</b>	Prep Date: <b>3/16/2020</b>	RunNo: <b>8374</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>3346</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>3/17/2020</b>	SeqNo: <b>151616</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.0994	0.000104	0.1000	0	99.4	85	115				
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Sample ID: <b>20030599-01AMS</b>	SampType: <b>MS</b>	TestCode: <b>LEAD_DW</b>	Units: <b>mg/L</b>	Prep Date: <b>3/16/2020</b>	RunNo: <b>8374</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>3346</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>3/17/2020</b>	SeqNo: <b>151625</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.110	0.000104	0.1000	0.0005809	109	70	130				
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Sample ID: <b>20030599-01AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>LEAD_DW</b>	Units: <b>mg/L</b>	Prep Date: <b>3/16/2020</b>	RunNo: <b>8374</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>3346</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>3/17/2020</b>	SeqNo: <b>151626</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.0968	0.000104	0.1000	0.0005809	96.3	70	130	0.1097	12.5	20	
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**Qualifiers:** C1 Sample container temperature is out of limit as specified at testcode  
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
PL Permit Limit

MI Recovery outside control limits due to Matrix In  
RL Reporting Detection Limit

Original

## Sample Log-In Check List

Client Name: **MedfordSchoolDist**

Work Order Number: **20030605**

RcptNo: **1**

Logged by: **Sarah Spence** **3/13/2020 8:24:00 AM**

*Sarah Spence*

Completed By: **Michelle Harsh** **3/16/2020 1:42:00 PM**

*Michelle Harsh*

Reviewed By: **Tamra Schmedemann** **3/20/2020 10:18:30 AM**

*Tamra Schmedemann*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐  
2. How was the sample delivered? Client

### Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐  
4. Shipping container/cooler in good condition? Yes ☒ No ☐  
Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒  
No. Seal Date: Signed By:  
5. Was an attempt made to cool the samples? Yes ☐ No ☐ NA ☒  
6. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☐ No ☐ NA ☒  
7. Sample(s) in proper container(s)? Yes ☒ No ☐  
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐  
10. Was preservative added to bottles? Yes ☒ No ☐ NA ☐  
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ HNO<sub>3</sub> pH < 2  
No VOA Vials ☒  
12. Were any sample containers received broken? Yes ☐ No ☒  
13. Does paperwork match bottle labels? Yes ☒ No ☐  
(Note discrepancies on chain of custody)  
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
15. Is it clear what analyses were requested? Yes ☒ No ☐  
16. Were all holding times able to be met? Yes ☒ No ☐  
(If no, notify customer for authorization.)

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:  Date:   
By Whom:  Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
Regarding:   
Client Instructions:

18. Additional remarks:

Sample beige in color

### Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	Ambient	Good				NKO





Company: MSD 549C	
Address: 815 South Oakdale Avenue	
Medford, OR 97501	
Email: <u>ron.havnear@medford.k12.or.us</u>	
Phone: 541-840-4315 Fax:	
Collected By (Print):	
Collected By (Sign):	
Email Report ___ Yes ___ No	Mail Report ___ Yes ___ No
Fax Report ___ Yes ___ No	

## Section B

### Required Project Information

Project Name:	2020 Lead Testing
Project Number:	18-00 Central
Report	<a href="mailto:ron.havnear@medford.k12.or.us">ron.havnear@medford.k12.or.us</a>
Copy To	<a href="mailto:andy.chasteen@medford.k12.or.us">andy.chasteen@medford.k12.or.us</a>

Section C  
Invoice Information

Attention: Accounting
Company Name: Medford School District
Address: 815 South Oakdale Avenue
Medford, OR 97501
P.O. # 61172

Section D  
Rush Status (Subject to Scheduling)

_____	Standard 10-14 Days		
_____	5 Business Days (50% surcharge)		
_____	3 Business Days (75% surcharge)		
_____	24 - 48 hours (100% surcharge)		
_____	Other _____		
	Authorized	Yes	No

Section E  
Sample Information[illegible]



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

## Time

08 : 24
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Lab

8:24

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COC Seals Intact:   X   Yes      No

~~Invoice~~