



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

RE: 18-11 Abe Lincoln 2020 Lead Testing

Order No.: 20030610

Dear Ron Havniear:

Neilson Research Corporation received 4 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#: 20030610  
Date: 3/20/2020

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**CLIENT:** Medford School District

**Project:** 18-11 Abe Lincoln 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#: 20030610

Date Reported: 3/20/2020

Medford School District  
815 S Oakdale Ave  
Medford, OR 97501

**Lab Order:** 20030610  
**Received Date:** 3/13/2020 8:47:00 AM  
**Reported Date:** 3/20/2020 10:27:04 AM

Sample Information:

**Lab ID:** 20030610-01 **Client Sample ID:** Health Room - Sink  
**Collection Date:** 3/13/2020 8:13:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Health Room - Sink

| Trace Metals by EPA 200.8 ICP-MS |          |      |          |       |    |               | Analyst: SJS |              |
|----------------------------------|----------|------|----------|-------|----|---------------|--------------|--------------|
| Analyses                         | Result   | Qual | MRL      | Units | DF | Date Analyzed | MCL          | NELAP Status |
| Lead                             | 0.000513 |      | 0.000103 | mg/L  | 1  | 3/17/2020     | 0.0150       | A            |

**Lab ID:** 20030610-02 **Client Sample ID:** Hallway Outside Gym - DF (Lower)  
**Collection Date:** 3/13/2020 8:15:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Hallway Outside Gym - DF (Lower)

| Trace Metals by EPA 200.8 ICP-MS |          |      |          |       |    |               | Analyst: SJS |              |
|----------------------------------|----------|------|----------|-------|----|---------------|--------------|--------------|
| Analyses                         | Result   | Qual | MRL      | Units | DF | Date Analyzed | MCL          | NELAP Status |
| Lead                             | 0.000858 |      | 0.000103 | mg/L  | 1  | 3/17/2020     | 0.0150       | A            |

**Lab ID:** 20030610-03 **Client Sample ID:** Room 7 - Drinking Fountain  
**Collection Date:** 3/13/2020 8:16:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Room 7 - Drinking Fountain

| Trace Metals by EPA 200.8 ICP-MS |          |      |          |       |    |               | Analyst: SJS |              |
|----------------------------------|----------|------|----------|-------|----|---------------|--------------|--------------|
| Analyses                         | Result   | Qual | MRL      | Units | DF | Date Analyzed | MCL          | NELAP Status |
| Lead                             | 0.000254 |      | 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#: 20030610  
Date Reported: 3/20/2020

Medford School District  
815 S Oakdale Ave  
Medford, OR 97501

**Lab Order:** 20030610  
**Received Date:** 3/13/2020 8:47:00 AM  
**Reported Date:** 3/20/2020 10:27:04 AM

Sample Information:

**Lab ID:** 20030610-04      Client Sample ID: Room 24 - Drinking Fountain  
Collection Date: 3/13/2020 8:19:00 AM      Collected By:  
Matrix: Drinking Water      Sample Location: Room 24 - Drinking Fountain

| Trace Metals by EPA 200.8 ICP-MS |          |      |          |       |    | Analyst: SJS  |        |              |
|----------------------------------|----------|------|----------|-------|----|---------------|--------|--------------|
| Analyses                         | Result   | Qual | MRL      | Units | DF | Date Analyzed | MCL    | NELAP Status |
| Lead                             | 0.000231 |      | 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#: 20030610

20-Mar-20

**Client:** Medford School District  
**Project:** 18-11 Abe Lincoln 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

|                            |                       |                          |                    |                                 |                                                        |
|----------------------------|-----------------------|--------------------------|--------------------|---------------------------------|--------------------------------------------------------|
| 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

|                                  |                       |                          |                    |                                 |                                                        |
|----------------------------------|-----------------------|--------------------------|--------------------|---------------------------------|--------------------------------------------------------|
| 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

|                                   |                       |                          |                    |                                 |                                                        |
|-----------------------------------|-----------------------|--------------------------|--------------------|---------------------------------|--------------------------------------------------------|
| 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

**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

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## QC SUMMARY REPORT

WO#: 20030610

20-Mar-20

**Client:** Medford School District  
**Project:** 18-11 Abe Lincoln 2020 Lead Testing

**TestCode:** LEAD\_DW

|                           |                       |                          |                    |                                 |                      |          |           |             |      |          |      |
|---------------------------|-----------------------|--------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-3347</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>3347</b> | TestNo: <b>E200.8</b>    | <b>E200.8</b>      | Analysis Date: <b>3/17/2020</b> | SeqNo: <b>151640</b> |          |           |             |      |          |      |
| Analyte                   | Result                | PQL                      | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Lead ND 0.000103

|                            |                       |                          |                    |                                 |                      |          |           |             |      |          |      |
|----------------------------|-----------------------|--------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>LCS-3347</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>3347</b> | TestNo: <b>E200.8</b>    | <b>E200.8</b>      | Analysis Date: <b>3/17/2020</b> | SeqNo: <b>151641</b> |          |           |             |      |          |      |
| Analyte                    | Result                | PQL                      | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Lead 0.103 0.000104 0.1000 0 103 85 115

|                                      |                       |                          |                    |                                 |                      |          |           |             |      |          |      |
|--------------------------------------|-----------------------|--------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>20030610-02AMS</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>Hallway Outside Gy</b> | Batch ID: <b>3347</b> | TestNo: <b>E200.8</b>    | <b>E200.8</b>      | Analysis Date: <b>3/17/2020</b> | SeqNo: <b>151652</b> |          |           |             |      |          |      |
| Analyte                              | Result                | PQL                      | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Lead 0.108 0.000104 0.1000 0.0008580 107 70 130

|                                      |                       |                          |                    |                                 |                      |          |           |             |      |          |      |
|--------------------------------------|-----------------------|--------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>20030610-02AMSD</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>Hallway Outside Gy</b> | Batch ID: <b>3347</b> | TestNo: <b>E200.8</b>    | <b>E200.8</b>      | Analysis Date: <b>3/17/2020</b> | SeqNo: <b>151653</b> |          |           |             |      |          |      |
| Analyte                              | Result                | PQL                      | SPK value          | SPK Ref Val                     | %REC                 | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Lead 0.109 0.000104 0.1000 0.0008580 108 70 130 0.1078 1.20 20

**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: **20030610**

RcptNo: **1**

Logged by: **Vincenza Gill** **3/13/2020 8:47:00 AM**

*Vincenza Gill*

Completed By: **Michelle Harsh** **3/16/2020 1:44:00 PM**

*Michelle Harsh*

Reviewed By: **Tamra Schmedemann** **3/20/2020 10:25:13 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° C to 6.0°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 ☐  
HNO3 pH < 2  
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ 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:

### Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
|-----------|---------|-----------|-------------|---------|-----------|-----------|



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

## Sign

Print

Date \_\_\_\_\_

Time

LARRY PUGH

|          |         |
|----------|---------|
| 03/13/20 | 8:47 AM |
|----------|---------|

Relinquished By:

Received By:

Relinquished By:

Received By Laboratory:

Vincenza Gill

3/13/2020

|      |
|------|
| 8:47 |
|------|

## Section G

**Lab Use Only**

Temp: 22m0

|                                               |     |
|-----------------------------------------------|-----|
| $4^{\circ}\text{C} + / - 2^{\circ}\text{C}$ : | Yes |
|-----------------------------------------------|-----|

Received on Ice: Yes ☒ No ☐

Number of Bottles Received: 4

COC Seals Intact: Yes No NA

Field Blank Included: ☐ Yes ☐ No