



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

August 26, 2020

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

RE: 18-42 MOA 2020 Lead Testing

Order No.: 20080905

Dear Ron Havniear:

Neilson Research Corporation received 12 sample(s) on 8/20/2020 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#: 20080905
Date: 8/26/2020

CLIENT: Medford School District

Project: 18-42 MOA 2020 Lead Testing

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.

Original



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Analytical Report

WO#: 20080905

Date Reported: 8/26/2020

Medford School District
815 S Oakdale Ave
Medford, OR 97501

Lab Order: 20080905
Received Date: 8/20/2020 2:11:00 PM
Reported Date: 8/26/2020 2:43:56 PM

Sample Information:

Lab ID: 20080905-01 **Client Sample ID:** Downstairs Men's RR - Sink (L)
Collection Date: 8/20/2020 12:50:00 PM **Collected By:** Andrew Chasteen
Matrix: Drinking Water **Sample Location:** Downstairs Men's RR - Sink (L)

Trace Metals by EPA 200.8 ICP-MS						Analyst; KMC		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00244		0.000100	mg/L	1	8/24/2020	0.0150	A

Lab ID: 20080905-02 **Client Sample ID:** Downstairs Men's RR - Sink (R)
Collection Date: 8/20/2020 12:51:00 PM **Collected By:** Andrew Chasteen
Matrix: Drinking Water **Sample Location:** Downstairs Men's RR - Sink (R)

Trace Metals by EPA 200.8 ICP-MS						Analyst; KMC		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00482		0.000100	mg/L	1	8/24/2020	0.0150	A

Lab ID: 20080905-03 **Client Sample ID:** Downstairs Women's RR - Sink (L)
Collection Date: 8/20/2020 12:52:00 PM **Collected By:** Andrew Chasteen
Matrix: Drinking Water **Sample Location:** Downstairs Women's RR - Sink (L)

Trace Metals by EPA 200.8 ICP-MS						Analyst; KMC		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00309		0.000100	mg/L	1	8/24/2020	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#: 20080905

Date Reported: 8/26/2020

Medford School District
815 S Oakdale Ave
Medford, OR 97501

Lab Order: 20080905
Received Date: 8/20/2020 2:11:00 PM
Reported Date: 8/26/2020 2:43:56 PM

Sample Information:

Lab ID: 20080905-04 **Client Sample ID:** Downstairs Women's RR - Sink (R)
Collection Date: 8/20/2020 12:52:00 PM **Collected By:** Andrew Chasteen
Matrix: Drinking Water **Sample Location:** Downstairs Women's RR - Sink (R)

Trace Metals by EPA 200.8 ICP-MS							Analyst; KMC	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00177		0.000100	mg/L	1	8/24/2020	0.0150	A

Lab ID: 20080905-05 **Client Sample ID:** Downstairs in Between RR- DF
Collection Date: 8/20/2020 12:53:00 PM **Collected By:** Andrew Chasteen
Matrix: Drinking Water **Sample Location:** Downstairs in Between RR- DF

Trace Metals by EPA 200.8 ICP-MS							Analyst; KMC	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000318		0.000100	mg/L	1	8/24/2020	0.0150	A

Lab ID: 20080905-06 **Client Sample ID:** Upstairs Men's RR - Sink (L)
Collection Date: 8/20/2020 12:57:00 PM **Collected By:** Andrew Chasteen
Matrix: Drinking Water **Sample Location:** Upstairs Men's RR - Sink (L)

Trace Metals by EPA 200.8 ICP-MS							Analyst; KMC	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00614		0.000100	mg/L	1	8/24/2020	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#: 20080905

Date Reported: 8/26/2020

Medford School District
815 S Oakdale Ave
Medford, OR 97501

Lab Order: 20080905
Received Date: 8/20/2020 2:11:00 PM
Reported Date: 8/26/2020 2:43:56 PM

Sample Information:

Lab ID: 20080905-07 **Client Sample ID:** Upstairs Men's RR - Sink (R)
Collection Date: 8/20/2020 12:58:00 PM **Collected By:** Andrew Chasteen
Matrix: Drinking Water **Sample Location:** Upstairs Men's RR - Sink (R)

Trace Metals by EPA 200.8 ICP-MS							Analyst; KMC	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00357		0.000100	mg/L	1	8/24/2020	0.0150	A

Lab ID: 20080905-08 **Client Sample ID:** Upstairs Women's RR - Sink (L)
Collection Date: 8/20/2020 12:59:00 PM **Collected By:** Andrew Chasteen
Matrix: Drinking Water **Sample Location:** Upstairs Women's RR - Sink (L)

Trace Metals by EPA 200.8 ICP-MS							Analyst; KMC	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00354		0.000100	mg/L	1	8/24/2020	0.0150	A

Lab ID: 20080905-09 **Client Sample ID:** Upstairs Women's RR - Sink (R)
Collection Date: 8/20/2020 1:00:00 PM **Collected By:** Andrew Chasteen
Matrix: Drinking Water **Sample Location:** Upstairs Women's RR - Sink (R)

Trace Metals by EPA 200.8 ICP-MS							Analyst; KMC	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00268		0.000100	mg/L	1	8/24/2020	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#: 20080905

Date Reported: 8/26/2020

Medford School District
815 S Oakdale Ave
Medford, OR 97501

Lab Order: 20080905
Received Date: 8/20/2020 2:11:00 PM
Reported Date: 8/26/2020 2:43:56 PM

Sample Information:

Lab ID: 20080905-10 Client Sample ID: Upstairs in Between RR - DF
Collection Date: 8/20/2020 1:03:00 PM Collected By: Andrew Chasteen
Matrix: Drinking Water Sample Location: Upstairs in Between RR - DF

Trace Metals by EPA 200.8 ICP-MS						Analyst: KMC		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000185		0.000100	mg/L	1	8/24/2020	0.0150	A

Lab ID: 20080905-11 Client Sample ID: Upstairs Breakroom - Sink (L)
Collection Date: 8/20/2020 1:04:00 PM Collected By: Andrew Chasteen
Matrix: Drinking Water Sample Location: Upstairs Breakroom - Sink (L)

Trace Metals by EPA 200.8 ICP-MS						Analyst: KMC		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00615		0.000100	mg/L	1	8/24/2020	0.0150	A

Lab ID: 20080905-12 Client Sample ID: Upstairs Breakroom - Sink (R)
Collection Date: 8/20/2020 1:04:00 PM Collected By: Andrew Chasteen
Matrix: Drinking Water Sample Location: Upstairs Breakroom - Sink (R)

Trace Metals by EPA 200.8 ICP-MS						Analyst: KMC		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00433		0.000100	mg/L	1	8/24/2020	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#: 20080905

26-Aug-20

Client: Medford School District
Project: 18-42 MOA 2020 Lead Testing

TestCode: LEAD_DW

Sample ID: MB-5715	SampType: MBLK	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/21/2020	RunNo: 14054
Client ID: PBW	Batch ID: 5715	TestNo: E200.8	E200.8	Analysis Date: 8/24/2020	SeqNo: 211429
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead ND 0.000100

Sample ID: LCS-5715	SampType: LCS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/21/2020	RunNo: 14054
Client ID: LCSW	Batch ID: 5715	TestNo: E200.8	E200.8	Analysis Date: 8/24/2020	SeqNo: 211430
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead 0.0999 0.000100 0.1000 0 99.9 85 115

Sample ID: 20080905-01AMS	SampType: MS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/21/2020	RunNo: 14054
Client ID: Downstairs Men's R	Batch ID: 5715	TestNo: E200.8	E200.8	Analysis Date: 8/24/2020	SeqNo: 211441
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead 0.102 0.000100 0.1000 0.002437 99.9 70 130

Sample ID: 20080905-01AMSD	SampType: MSD	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/21/2020	RunNo: 14054
Client ID: Downstairs Men's R	Batch ID: 5715	TestNo: E200.8	E200.8	Analysis Date: 8/24/2020	SeqNo: 211442
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead 0.0989 0.000100 0.1000 0.002437 96.5 70 130 0.1024 3.45 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: **20080905**

RcptNo: **1**

Logged by: **Naomi Orr** **8/20/2020 2:11:00 PM**

Completed By: **Krizzle Calip** **8/21/2020 4:25:42 PM**

Reviewed By: **Tamra Schmedemann** **8/26/2020 2:39:44 PM**

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 ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ HNO3 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)

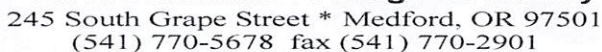
17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

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

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
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Page 1 of 3

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

Section D
Rush Status (Subject to Scheduling)

Company: MSD 549C		Project Name: 2020 Lead Testing		Attention: Accounting		___ Standard 10-14 Days																																							
Address: 815 South Oakdale Avenue		Project Number: 18-42 MOA		Company Name: Medford School District		___ 5 Business Days (50% surcharge)																																							
Medford, OR 97501		Report ron.havnear@medford.k12.or.us		Address: 815 South Oakdale Avenue		___ 3 Business Days (75% surcharge)																																							
Email: ron.havnear@medford.k12.or.us		Copy T andy.chasteen@medford.k12.or.us		Medford, OR 97501		___ 24 - 48 hours (100% surcharge)																																							
Phone: 541-840-4315 Fax:				P.O. # 61172		___ Other _____																																							
Collected By (Print): Andrew Chasteen		<table border="1"> <tr> <th colspan="10">Analysis Requested</th> </tr> <tr> <td rowspan="3">Others</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>						Analysis Requested										Others																											
Analysis Requested																																													
Others																																													
Collected By (Sign): <i>[Signature]</i>																																													
Email Report ___ Yes ___ No		Mail Report ___ Yes ___ No		Authorized ___ Yes ___ No																																									
Fax Report ___ Yes ___ No																																													

NRC Workorder # 2080905
(Lab Use Only)

[illegible]

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

Relinquished By:		Andrew Chasteen	8-20-20	1:10 pm
Received By:				
Relinquished By:				
Received By:				
Relinquished By:		Naomi Gray	8-20-2020	14:11
Received By Laboratory:				

Temp: <u>4°C</u>	Yes	No
Received on Ice: <u>X</u>	Yes	No
Number of Bottles Received: <u>12</u>		
pH Checked:		
COC Seals Intact: <u>NA</u>	Yes	No
Field Blank Included: <u>No</u>	Yes	No