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

October 01, 2021

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

RE: 32-Jefferson 2021 Lead Testing Order No.: 21090859

Dear Ron Havniear:

Neilson Research Corporation received 1 sample(s) on 9/21/2021 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

Tamra Schmedemann
Senior Project Manager
245 S Grape St
Medford, OR 97501

Original

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Case Narrative

WO#: **21090859**
Date: **10/1/2021**

CLIENT: Medford School District
Project: 32-Jefferson 2021 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.

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Analytical Report

WO#: **21090859**
Date Reported: **10/1/2021**

Medford School District
815 S Oakdale Ave
Medford , OR 97501

Lab Order: 21090859
Received Date: 9/21/2021 11:31:00 AM
Reported Date: 10/1/2021 11:16:12 AM

Sample Information:

Lab ID:	**21090859-01**	Client Sample ID:	Health Rm/Refrigerator Ice Maker
Collection Date:	9/21/2021 11:20:00 AM	Collected By:	
Matrix:	Drinking Water	Sample Location:	Health Rm/Refrigerator Ice Maker

Trace Metals by EPA 200.8 ICP-MS — Analyst; SJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	60.4	*	0.100	ppb	1	9/27/2021	15.0	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 comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit
R	RPD outside accepted recovery limits		

NELAP

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

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Results are out of the EPA limits

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QC SUMMARY REPORT

WO#: **21090859**
04-Oct-21

Client: Medford School District
Project: 32-Jefferson 2021 Lead Testing

TestCode: **LEAD_DW**

Sample ID: **MB-14242** SampType: **MBLK** TestCode: **LEAD_DW** Units: **ppb** Prep Date: **9/24/2021** RunNo: **24824**
Client ID: **PBW** Batch ID: **14242** TestNo: **E200.8** **E200.8** Analysis Date: **9/27/2021** SeqNo: **398324**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.100									

Sample ID: **LCS-14242** SampType: **LCS** TestCode: **LEAD_DW** Units: **ppb** Prep Date: **9/24/2021** RunNo: **24824**
Client ID: **LCSW** Batch ID: **14242** TestNo: **E200.8** **E200.8** Analysis Date: **9/27/2021** SeqNo: **398325**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	105	0.100	100	0	105	85	115				

Sample ID: **21090952-01AMS** SampType: **MS** TestCode: **LEAD_DW** Units: **ppb** Prep Date: **9/24/2021** RunNo: **24824**
Client ID: **BatchQC** Batch ID: **14242** TestNo: **E200.8** **E200.8** Analysis Date: **9/27/2021** SeqNo: **398332**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	96.6	0.100	100	0.0320	96.5	70	130				

Sample ID: **21090952-01AMSD** SampType: **MSD** TestCode: **LEAD_DW** Units: **ppb** Prep Date: **9/24/2021** RunNo: **24824**
Client ID: **BatchQC** Batch ID: **14242** TestNo: **E200.8** **E200.8** Analysis Date: **9/27/2021** SeqNo: **398333**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	102	0.100	100	0.0320	102	70	130	96.6	5.25	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceed
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit				

Original

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Sample Log-In Check List

Client Name: **MedfordSchoolDist** Work Order Number: **21090859** RcptNo: **1**

Logged by:	**Sarah Spence**	**9/21/2021 11:31:00 AM**	Sarah N Spence
Completed By:	**Michelle Harsh**	**9/23/2021 2:58:32 PM**	Michelle Harsh
Reviewed By:	**Dorie Maier**	**10/1/2021 11:13:44 AM**	Dorie Maier

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 ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

NEILSON RESEARCH CORPORATION
Environmental Testing Laboratory
245 South Grape Street * Medford, OR 97501
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Chain of Custody Record

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

1 of 1
ERRAK
SNS 9/21/21

Section A
Required Client Information

Company:	MSD 549C
Address:	815 South Oakdale Avenue
Medford, OR 97501	
Email:	ron.havniear@medford.k12.or.us
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:	2021 Lead Testing
Project Number:	32- Jefferson
Report	ron.havniear@medford.k12.or.u
Copy T	andy.chasteen@medford.k12.or

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

NRC Workorder # (Lab Use Only) 21090859

Sample ID	Bottle	Matrix*	Date Collected	Time	No. of Containers	Analysis Requested: Lead										Remarks/Field Data	NRC Sample # (Lab Use Only)
Health Room - Refrigerator Ice Maker		DW	9/21/2021	11:20 am													
				Per client DM													

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

Section F
Relinquish/Receive

	Sign	Print	Date	Time
Relinquished By:	Andy T. Chasteen	ANDY T. CHASTEEN	9/21/21	11:31
Received By:				
Relinquished By:				
Received By:				
Relinquished By:				
Received By Laboratory:	JNS	JNS	9/21/21	11:31

Section G
Lab Use Only

Temp:	Amb
4°C +/- 2°C:	___ Yes ___ No
Received on Ice:	___ Yes ___ No
Number of Bottles Received:	1
pH Checked:	NA
COC Seals Intact:	___ Yes ___ No ___ NA
Field Blank Included:	___ Yes ___ No
Received Via	___ UPS ___ FedEX ___ Other ___ Hand
Payment:	___ Invoice ___ Cash ___ VISA, M/C ___ Check # _____ Amount _____

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Data Flags

WO#: **21090859**
Date: **10/1/2021**

B Analyte detected in the associated method blank.
BA BOD Alternative Calculation: The initial results performed by Standard Methods did not fall within parameters of the Standard Methods calculation. An alternate approved calculation was performed using the HACH method and the value reported is an estimated concentration.
C Sample(s) does not meet NELAP/ORELAP sample acceptance criteria. See Case Narrative.
C1 Sample(s) does not meet NELAP/ORELAP sample acceptance criteria for temperature.
CF Results confirmed by re-analysis.
CU Cleanup performed as specified by method.
D1 The diesel elution pattern for the sample is not typical.
D2 The sample appears to be a heavier hydrocarbon range than diesel.
D3 The sample appears to be a lighter hydrocarbon range than diesel.
D4 Detected hydrocarbons do not have pattern and range consistent with typical petroleum products and may be due to biogenic interference.
D5 Detected hydrocarbons in the diesel range appear to be weathered diesel.
E Estimated value.
ER Elevated reporting limit due to matrix. Report limits (MDLs, MRLs & PQLs) are adjusted based on variations in sample preparation amounts, analytical dilutions, and percent solids, where applicable.
FC Fecal Coliforms: Sample(s) received past 40 CFR Part 136 specified holding time. Results reported as estimated values.
G1 The gasoline elution pattern for the sample is not typical.
G2 The sample appears to be a heavier hydrocarbon range than gasoline.
G3 The sample appears to be a lighter hydrocarbon range than gasoline.
G4 Detected hydrocarbons in the gasoline range appear to be weathered gasoline.
HP Sample re-analysis performed outside of method specified holding time.
HR Sample received outside of method specified holding time.
HS Sample analyzed for volatile organics contained headspace.
HT At the client's request, the sample was analyzed outside of method specified holding time.
H Analysis performed outside of method specified holding time.
J Analyte detected below the Minimum Reporting Limit (MRL) and above the Method Detection Limit (MDL). The J flag result is an estimated value and the user should be aware that this data is of limited reliability.
L Dissolved metals were not filtered within 15 minutes of collection per 40 CFR Part 136.
MI Surrogate, Duplicate Sample (DUP) or Matrix Spikes recoveries are out of control limits due to matrix interference. Sample results may be biased.
N See Case Narrative on page 2 of report.
NLR No Legionella Recovered.
PLR Presence of Legionella Recovered.
Q Initial calibration verification (ICV), continuing calibration verification (CCV) or laboratory control sample (LCS) exceeded high recovery limits, but associated samples are non-detect and the sample results are not affected. Data meets EPA/NELAP requirements.
R Relative percent difference (RPD) is outside of the accepted recovery limits.
R1 Relative percent difference (RPD) is outside of the accepted recovery limits. However, analyses are not controlled on RPD values for sample concentrations that are less than the reporting limit.
R3 The relative percent difference (RPD) and/or percent recovery for the duplicate (DUP) or matrix spike (MS)/matrix spike duplicate (MSD) cannot be accurately calculated due to the concentration of analyte already present in the sample.
R4 Duplicate analysis failed due to result being at or near the method reporting limit.
S Surrogate and/or matrix spike recovery is outside of the accepted recovery limits. Sample results may be biased.
S1 Surrogate or matrix spike recovery is outside of control limits due to dilution necessary for analysis.
SC Sub-contracted to another laboratory for analysis.
SP Sample(s) were not collected per EPA Method 5035A protocols. The results are considered minimum values.
Value exceeds regulatory level for TCLP contaminant.
X1 The motor oil elution pattern for the sample is not typical.
X2 The sample appears to be a heavier hydrocarbon range than motor oil.
X3 The sample appears to be a lighter hydrocarbon range than motor oil.
* Value exceeds Maximum Contaminant Level or is outside the acceptable range.