

March 20, 2020

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

TEL: 541-842-3646 FAX: 541-842-1160

RE: 18-16 Hoover 2020 Lead Testing Order No.: 20030618

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** 

Tampa Stymederman

Tamra Schmedemann Senior Project Manager

245 S Grape St Medford, OR 97501



**Case Narrative** 

WO#: **20030618**Date: **3/20/2020** 

**CLIENT:** Medford School District

**Project:** 18-16 Hoover 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.



**Analytical Report** 

WO#: 20030618 Date Reported: 3/20/2020

Medford School District 815 S Oakdale Ave Medford, OR 97501

**Lab Order: 20030618** 

**Received Date:** 3/13/2020 8:37:00 AM **Reported Date:** 3/20/2020 10:40:11 AM

Sample Information:

Sm Rm Adjacent Staff Brk Rm - Sink Client Sample ID: Lab ID: 20030618-01

Collection Date: Collected By: 3/13/2020 7:45:00 AM

Matrix: Sample Location: Sm Rm Adjacent Staff Brk Rm - Sink Drinking Water

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS **NELAP** Date MRL Units **Analyses** Result Qual DF MCL Analyzed **Status** 3/17/2020 Lead 0.00598 0.000103 0.0150 Α mg/L

Lab ID: 20030618-02 Client Sample ID: Room 14 - Drinking Fountain

Collection Date: 3/13/2020 7:47:00 AM

Matrix: **Drinking Water** Sample Location: Room 14 - Drinking Fountain

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS Date **NELAP** MRL Units **MCL Analyses** Result Qual DF Analyzed **Status** Lead 0.00407 0.000103 mg/L 3/17/2020 0.0150 Α

Collected By:

Lab ID: 20030618-03 Client Sample ID: Room 31 - Drinking Fountain

Collection Date: 3/13/2020 7:50:00 AM Collected By:

Room 31 - Drinking Fountain Matrix: Drinking Water Sample Location:

Trace Metals by EPA 200.8 ICP-MS				А	nalyst;	SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00118		0.000103	mg/L	1	3/17/2020	0.0150	Α

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



## **Analytical Report**

WO#: 20030618

Date Reported: 3/20/2020

Medford School District 815 S Oakdale Ave Medford , OR 97501 **Lab Order:** 20030618

**Received Date:** 3/13/2020 8:37:00 AM **Reported Date:** 3/20/2020 10:40:11 AM

Sample Information:

Lab ID: 20030618-04 Client Sample ID: Room 56 - Drinking Fountain

Collection Date: 3/13/2020 7:52:00 AM Collected By:

Matrix: Drinking Water Sample Location: Room 56 - Drinking Fountain

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS **Date NELAP** Analyses Result **MRL** Units DF MCL Qual Analyzed **Status** 0.000749 3/17/2020 Lead 0.000103 0.0150 Α mg/L 1

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J

RPD outside accepted recovery limits

Value exceeds Maximum Contaminant Level. C1 Sample container temperature is out of limit as specified at testcod

Value above quantitation range H Holding times for preparation or analysis exceeded

Analyte detected below quantitation limits MI Recovery outside comtrol limits due to Matrix Interference

Not Detected at the Reporting Limit PL Permit Limit



## **QC SUMMARY REPORT**

WO#: **20030618** 

20-Mar-20

**Client:** Medford School District

Project: 18-16 Hoover 2020 Lead Testing TestCode: LEAD\_DW

16-10 1100vei 2	.020 Lead Testing		Testect	ode. LEAD_DW
Sample ID: MB-3347 Client ID: PBW	SampType: MBLK Batch ID: 3347	TestCode: LEAD_DW Units: TestNo: E200.8 E200.8		RunNo: <b>8374</b> SeqNo: <b>151640</b>
Analyte	Result	PQL SPK value SPK Ref V	·	Ref Val %RPD RPDLimit Qual
Lead	ND	0.000103		
Sample ID: LCS-3347	SampType: <b>LCS</b>	TestCode: LEAD_DW Units:	mg/L Prep Date: 3/16/2020	RunNo: <b>8374</b>
Client ID: LCSW	Batch ID: 3347	TestNo: <b>E200.8 E200.8</b>	Analysis Date: 3/17/2020	SeqNo: <b>151641</b>
Analyte	Result	PQL SPK value SPK Ref V	/al %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: MS	TestCode: <b>LEAD_DW</b> Units:	mg/L Prep Date: 3/16/2020	RunNo: <b>8374</b>
Client ID: BatchQC	Batch ID: 3347	TestNo: <b>E200.8 E200.8</b>	Analysis Date: 3/17/2020	SeqNo: <b>151652</b>
Analyte	Result	PQL SPK value SPK Ref V	/al %REC LowLimit HighLimit RPD	Ref Val %RPD RPDLimit Qual
Lead	0.108	0.000104 0.1000 0.000858	80 107 70 130	
Sample ID: <b>20030610-02AMSD</b>	SampType: MSD	TestCode: <b>LEAD_DW</b> Units:	mg/L Prep Date: 3/16/2020	RunNo: <b>8374</b>
Client ID: BatchQC	Batch ID: 3347	TestNo: <b>E200.8 E200.8</b>	Analysis Date: 3/17/2020	SeqNo: <b>151653</b>
Analyte	Result	PQL SPK value SPK Ref V	/al %REC LowLimit HighLimit RPD	Ref Val %RPD RPDLimit Qual
Lead	0.109	0.000104 0.1000 0.000858	80 108 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

II Recovery outside comtrol limits due to Matrix In

RL Reporting Detection Limit



Neilson Research Corporation 245 S Grape St Medford, OR 97501

TEL: (541) 770-5678 FAX: (541) 770-2901 Website: www.nrclabs.com

## Sample Log-In Check List

Completed By: Michelle Harsh 3/16/2020 1:46:00 PM  Reviewed By: Tamra Schmedemann 3/20/2020 10:37:16 AM  Tamra Schmedemann  Chain of Custody  1. Is Chain of Custody complete?  2. How was the sample delivered?  Client	Client Name:	MedfordSchoolDist	Work Order Number:	20030618		RcptNo: 1
## Provided Complete	Logged by:	Vincenza Gill	3/13/2020 8:37:00 AM		Vinenza Gill	,
## Provided Complete	Completed By	: Michelle Harsh	3/16/2020 1:46:00 PM		Mienble	Hara
1. Is Chain of Custody complete? 2. How was the sample delivered? 2. How was the sample delivered? 3. Coolers are present? 4. Shipping container/cooler in good condition? Custody seals intact on shipping container/cooler? Yes No No Not Present  No. Seal Date: Signed By: 5. Was an attempt made to cool the samples? Yes No No Not Present  No Not Present  No No Not Present  No No Not Present  Not Present  No Not Present  Not Present  No Not Present  Not Present  No Not Present  No Not Present  Not Present  Not Present  No Not Present  No Not Present  Not Present  Not Present  Not Present  Not Present  No Not Present  Not Prese	Reviewed By:	Tamra Schmedemann	3/20/2020 10:37:16 AI	М	Tampa &	hmedernam
2. How was the sample delivered?  Client  2. Glient  2. Glient  2. Glient  2. Glient  3. Coolers are present?  4. Shipping container/cooler in good condition?  Custody seals intact on shipping container/cooler?  No. Seal Date:  Signed By:  5. Was an attempt made to cool the samples?  6. Were all samples received at a temperature of >0° C to 6.0°C  7. Sample(s) in proper container(s)?  8. Sufficient sample volume for indicated test(s)?  9. Are samples (except VOA and ONG) property preserved?  10. Was preservative added to bottles?  11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm?  12. Were any sample containers received broken?  13. Does paperwork match bottle labels?  (Note discrepancies on chain of custody)  14. Are matrices correctly identified on Chain of Custody?  15. Is it clear what analyses were requested?  (If no, notify customer for authorization.)  Special Handling (if applicable)	Chain of Co	ustody				
3. Coolers are present?  Yes No No NA   A. Shipping container/cooler in good condition? Custody seals intact on shipping container/cooler? No. Seal Date: Signed By:  No No NA   6. Were all samples received at a temperature of >0° C to 6.0°C  7. Sample(s) in proper container(s)? 8. Sufficient sample volume for indicated test(s)? 9. Are samples (except VOA and ONG) properly preserved? 10. Was preservative added to bottles?  11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? 12. Were any sample containers received broken? 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 14. Are matrices correctly identified on Chain of Custody? 15. Is it clear what analyses were requested? (If no, notify customer for authorization.)  Special Handling (if applicable)	1. Is Chain	of Custody complete?		Yes 🗹	No 🗌	Not Present
3. Coolers are present?  Yes No No NA  A Shipping container/cooler in good condition?  Custody seals intact on shipping container/cooler?  No. Seal Date:  Signed By:  5. Was an attempt made to cool the samples?  Yes No No NA	2. How was	the sample delivered?		<u>Client</u>		
3. Coolers are present?  Yes No No NA  A Shipping container/cooler in good condition?  Custody seals intact on shipping container/cooler?  No. Seal Date:  Signed By:  5. Was an attempt made to cool the samples?  Yes No No NA	Log In					
Custody seals intact on shipping container/cooler?  No. Seal Date: Signed By:  5. Was an attempt made to cool the samples? Yes No No Not Present   6. Were all samples received at a temperature of >0° C to 6.0° C Yes No No Not Not Present   7. Sample(s) in proper container(s)? Yes No No Not Present   8. Sufficient sample volume for indicated test(s)? Yes No No Not Preserved? Yes No Not Not Preserved? Yes Not Not Not Not Not Not Not Not Preserved? Yes Not	_	are present?		Yes $\square$	No 🗌	NA 🗹
Custody seals intact on shipping container/cooler?  No. Seal Date: Signed By:  5. Was an attempt made to cool the samples? Yes No No Not Present   6. Were all samples received at a temperature of >0° C to 6.0° C Yes No No Not Not Present   7. Sample(s) in proper container(s)? Yes No No Not Present   8. Sufficient sample volume for indicated test(s)? Yes No No Not Preserved? Yes No Not Not Preserved? Yes Not Not Not Not Not Not Not Not Preserved? Yes Not					$\Box$	
No. Seal Date: Signed By:  5. Was an attempt made to cool the samples? Yes No No NA   6. Were all samples received at a temperature of >0° C to 6.0°C Yes No No NA   7. Sample(s) in proper container(s)? Yes No No NO NA   8. Sufficient sample volume for indicated test(s)? Yes No		_				Not Bosses of India
5. Was an attempt made to cool the samples?  Yes No No NA   Reference all samples received at a temperature of >0° C to 6.0°C  Yes No No NA   NA   NA   NA   Reference all samples received at a temperature of >0° C to 6.0°C  Yes No No NA   NA   NA   NA   NA   NA   NA	•	., •				Not Present ♥
6. Were all samples received at a temperature of >0° C to 6.0°C Yes No No NA   7. Sample(s) in proper container(s)?  8. Sufficient sample volume for indicated test(s)?  9. Are samples (except VOA and ONG) properly preserved?  10. Was preservative added to bottles?  11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes No						NIA 🚅
7. Sample(s) in proper container(s)?  8. Sufficient sample volume for indicated test(s)?  9. Are samples (except VOA and ONG) properly preserved?  10. Was preservative added to bottles?  11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm?  12. Were any sample containers received broken?  13. Does paperwork match bottle labels?  (Note discrepancies on chain of custody)  14. Are matrices correctly identified on Chain of Custody?  15. Is it clear what analyses were requested?  16. Were all holding times able to be met?  (If no, notify customer for authorization.)  Special Handling (if applicable)	5. Was all a	attempt made to cool the sample	es :	res 🗀	NO 🗀	NA 💌
8. Sufficient sample volume for indicated test(s)? 9. Are samples (except VOA and ONG) properly preserved? 10. Was preservative added to bottles? 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? 12. Were any sample containers received broken? 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 14. Are matrices correctly identified on Chain of Custody? 15. Is it clear what analyses were requested? 16. Were all holding times able to be met? (If no, notify customer for authorization.)  Special Handling (if applicable)	6. Were all	samples received at a tempera	ture of >0° C to 6.0°C	Yes	No 🗌	NA 🔽
9. Are samples (except VOA and ONG) properly preserved?  10. Was preservative added to bottles?  Yes  No No NA HNO3 pH < 2  11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm?  Yes No No No VOA Vials  12. Were any sample containers received broken?  13. Does paperwork match bottle labels?  (Note discrepancies on chain of custody)  14. Are matrices correctly identified on Chain of Custody?  15. Is it clear what analyses were requested?  16. Were all holding times able to be met?  (If no, notify customer for authorization.)  Special Handling (if applicable)	7. Sample(s	s) in proper container(s)?		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)	8. Sufficient	sample volume for indicated to	est(s)?	Yes 🗸	No 🗌	
HNO3 pH < 2  11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm?  12. Were any sample containers received broken?  13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)  14. Are matrices correctly identified on Chain of Custody?  15. Is it clear what analyses were requested?  16. Were all holding times able to be met? (If no, notify customer for authorization.)  Special Handling (if applicable)	9. Are samp	oles (except VOA and ONG) pro	operly preserved?	Yes 🗸	No 🗌	
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm?  12. Were any sample containers received broken?  13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)  14. Are matrices correctly identified on Chain of Custody?  15. Is it clear what analyses were requested?  16. Were all holding times able to be met? (If no, notify customer for authorization.)  Special Handling (if applicable)	10. Was pres	servative added to bottles?		Yes 🗸	No 🗌	NA 🗆
12. Were any sample containers received broken?  13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)  14. Are matrices correctly identified on Chain of Custody?  15. Is it clear what analyses were requested?  16. Were all holding times able to be met? (If no, notify customer for authorization.)  Special Handling (if applicable)						HNO3 pH < 2
13. Does paperwork match bottle labels?  (Note discrepancies on chain of custody)  14. Are matrices correctly identified on Chain of Custody?  15. Is it clear what analyses were requested?  16. Were all holding times able to be met?  (If no, notify customer for authorization.)  Special Handling (if applicable)	11. Is the hea	adspace in the VOA vials less t	han 1/4 inch or 6 mm?	Yes	No 🗌	No VOA Vials 🗹
(Note discrepancies on chain of custody)  14. Are matrices correctly identified on Chain of Custody?  15. Is it clear what analyses were requested?  16. Were all holding times able to be met?  (If no, notify customer for authorization.)  Special Handling (if applicable)	12. Were any	sample containers received by	roken?	Yes	No 🗸	
15. Is it clear what analyses were requested?  16. Were all holding times able to be met?  (If no, notify customer for authorization.)  Special Handling (if applicable)	-		)	Yes 🗸	No 🗌	
16. Were all holding times able to be met?  (If no, notify customer for authorization.)  Special Handling (if applicable)	14. Are matri	ces correctly identified on Chai	n of Custody?	Yes 🗹	No 🗌	
(If no, notify customer for authorization.)  Special Handling (if applicable)	15. Is it clear	what analyses were requested	?	Yes 🗹	No 🗌	
Special Handling (if applicable)	16. Were all	holding times able to be met?		Yes 🗸	No 🗌	
	•	,				
			vith this order?	Yes	No 🗌	NA 🗹
Person Notified: Date:	Per	son Notified:	Date:			
By Whom: Via: Phone Fax In Person	By \	Whom:	Via:	eMail I	Phone Fax	☐ In Person
Regarding:	Reg	arding:				
Client Instructions:	_					
18. Additional remarks:	18 Additiona	l remarks:				
ooler Information	_					

Seal No

Cooler No Temp °C Condition Seal Intact

Seal Date Signed By



Environmental Testing Laboratory
245 South Grape Street \* Medford, OR 97501
(541) 770-5678 fax (541) 770-2901

## Chain of Custody Record

Page \_\_1\_\_ of \_3\_\_\_

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

Company: MSD 549C	<b>,</b>	Project Name:	Project Name: 2020 Leac	2020 L	2020 Lead Testing	tina	Invo	Attention: Accounting	rmation	2			Rush Status (Subject to Scheduling)	Scheduling)
Address: 815 South Oakdale Avenue	P	Project Number:	umber:	18-16 Hoover	Hoover	(	Com	Company Name: Medford School District	me: Me	odford S	chool [	Dietrict	5 Business Days (500	ys
Medford, OR 97501	R	eport re	Report ron.havniear@medford.k12.or.uAddress:	iear@n	nedfor	d.k12.c	r. uAddr	ess: 8	815 South Oakdale Avenue	th Oako	ale Ave	nue	3 Business Days (75% suircharge)	70% circharge)
ron.havniear	0	ору Т а	Copy T andy.chasteen@medford.k12.or Medford, OR 97501	steen@	medfo	ord.k12	.orMed	ord, OF	97501		The state of the s		24 - 48 hours (100% surcharge)	6 surcharge)
Phone: 541-840-4315 Fax:							P.O. #	#	61172				Other	
Collected By (Print): Maylow Jaylor										П			Authorized	Yes No 8
(Sign): World Jaylo							A	Analysis Requested	Reque	sted				
Email Report Yes No Mail Report Yes No					,				4					e 7
Fax ReportYesNo					ners									Pag
Section E					ontai								NBC Workordor #	
Sample Information					of C								(Lab Use Only)	ることが
Sample ID	Bottle Matrix*		Date Collected	Time									Remarks/Field Data	NRC Sample #
ff Break Room - Sink	52312	S Wd	3-12-20						4	+		1		(Lab Use Only)
		E Ma	3-13-2000	-	34,1	-	1		+	+		$\pm$		
Drinking Fountain	59792	DW 3	3-13-200		7,1				+	+		1		
Room 56 - Drinking Fountain		DW 3	3-13-200		42	1			+			1		
	1	+				+			-				6000	
		-				+	+		+		1		(2) (C-40)	
		-		1		+	+		+	+	1			
									+	+				
													500	
	-	-												
		-											905-SI	
	-												652586	
								0-					97015	
		+				-								
		-				-	-		-	-			120 E	
	-			(G)		+	x		+		I			
						+		1	+	$\dagger$				
		-				+	2	-17	+	+				
						+			+	+				
									-					
									-		1		8.29	

Received By:

Received By:

Relinquished By:

Relinquished By:

Relinquished By:

Received By:

Received By Laboratory: \*Matrix: DW - Drinking Water WW - Wastewater W - Water S - Soil/Solid SL - Sludge O - Oil WP - Wipe OT - Other Marton Taylor Date 3/2/2000 3-13-2020 Mg. 8:310W Section G Lab Use Only X Page 8 of