

June 11, 2019

Andy Chasteen Medford School District 815 S Oakdale Ave Medford, OR 97501

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

RE: 18-00 Central 2019 Lead Testing Order No.: 19051187

Dear Andy Chasteen:

Neilson Research Corporation received 3 sample(s) on 5/30/2019 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 Symederman

Tamra Schmedemann Senior Project Manager

245 S Grape St

Medford, OR 97501



**Case Narrative** 

WO#: **19051187**Date: **6/11/2019** 

**CLIENT:** Medford School District

**Project:** 18-00 Central 2019 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#: 19051187 Date Reported: 6/11/2019

Medford School District

815 S Oakdale Ave Medford, OR 97501 **Lab Order:** 19051187

**Received Date:** 5/30/2019 9:00:00 AM

Reported Date: 6/11/2019

Sample Information:

Lab ID: 19051187-01 Client Sample ID: Room 142B (E)-Sink (5-Island)

Collection Date: 5/30/2019 8:00:00 AM Collected By: Roger M.

Matrix: **Drinking Water** Sample Location: Room 142B (E)-Sink (5-Island)

Analyst; Trace Metals by EPA 200.8 ICP-MS Date **NELAP Analyses** Result Qual **MRL** Units DF **Analyzed** MCL **Status** 0.000100 mg/L 6/4/2019 0.0150 Lead 0.181

Lab ID: 19051187-02 Client Sample ID: Room 142A (W)-Sink (3-Island)

Collection Date: 5/30/2019 7:58:00 AM Collected By: Roger M.

Sample Location: Matrix: **Drinking Water** Room 142A (W)-Sink (3-Island)

SJS Analyst; Trace Metals by EPA 200.8 ICP-MS **NELAP** Date **MRL** Units DF MCL Analyses Result Qual **Analyzed Status** Lead 4.08 0.0100 mg/L 6/6/2019 0.0150

19051187-03 Lab ID: Client Sample ID: Across From Room 290 Unisex RR-Sink

Collection Date: 5/30/2019 8:03:00 AM Collected By: Roger M.

Matrix: Sample Location: Across From Room 290 Unisex RR-Sink Drinking Water

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS Date **NELAP Analyses** Result Units DF **MCL** Status **Oual MRL Analyzed** 0.00163 6/4/2019 Lead 0.000100 mg/L 1 0.0150

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

I Analyte detected below quantitation limits

Not Detected at the Reporting Limit

RPD outside accepted recovery limits

- C1 Sample container temperature is out of limit as specified at testcode
- Н Holding times for preparation or analysis exceeded
- Recovery outside comtrol limits due to Matrix Interference MI
- Permit Limit

Results are out of the EPA limits



## **QC SUMMARY REPORT**

WO#: 19051187

11-Jun-19

**Client:** Medford School District

Project: 18-00 Central 2019 Lead Testing TestCode: LEAD\_DW

•				<del>-</del> ''
Sample ID: MB-717	SampType: <b>MBLK</b>	TestCode: <b>LEAD_DW</b> Units	s: <b>mg/L</b> Prep Date: <b>6/4/2019</b>	RunNo: <b>1553</b>
Client ID: PBW	Batch ID: 717	TestNo: <b>E200.8 E200</b>	0.8 Analysis Date: 6/4/2019	SeqNo: <b>28926</b>
Analyte	Result	PQL SPK value SPK Ref	f Val %REC LowLimit HighLimit RF	PD Ref Val %RPD RPDLimit Qual
Lead	ND	0.000100		
Sample ID: LCS-717	SampType: LCS	TestCode: <b>LEAD_DW</b> Units	s: mg/L Prep Date: 6/4/2019	RunNo: <b>1553</b>
Client ID: LCSW	Batch ID: 717	TestNo: <b>E200.8 E200</b>	0.8 Analysis Date: 6/4/2019	SeqNo: <b>28927</b>
Analyte	Result	PQL SPK value SPK Ref	f Val %REC LowLimit HighLimit RF	PD Ref Val %RPD RPDLimit Qual
Lead	0.0968	0.000100 0.1000	0 96.8 85 115	
Sample ID: <b>19051275-01AMS</b>	SampType: MS	TestCode: <b>LEAD_DW</b> Units	s: <b>mg/L</b> Prep Date: <b>6/4/2019</b>	RunNo: <b>1553</b>
Client ID: BatchQC	Batch ID: 717	TestNo: <b>E200.8 E200</b>	0.8 Analysis Date: 6/4/2019	SeqNo: <b>28935</b>
Analyte	Result	PQL SPK value SPK Ref	f Val %REC LowLimit HighLimit RF	PD Ref Val %RPD RPDLimit Qua
Lead	0.0957	0.000100 0.1000 0.00009	9200 95.6 70 130	

Sample ID: 19051275-01AMSD	SampType: MSD	TestCoo	de: <b>LEAD_DW</b>	Units: mg/L		Prep Dat	te: <b>6/4/201</b>	9	RunNo: <b>155</b>	3	
Client ID: BatchQC	Batch ID: 717	TestN	lo: <b>E200.8</b>	E200.8		Analysis Dat	te: <b>6/4/201</b>	9	SeqNo: 289	36	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0965	0.000100	0.1000	0.00009200	96.4	70	130	0.09573	0.832	20	

Qualifiers: \* Value exceeds Maximum Contaminant Level.

MI Recovery outside comtrol limits due to Matrix Interference

RL Reporting Detection Limit

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 exceeds

PL Permit Limit

Original

## Chain of Custody Record

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

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

ORPORATION

RESEARCH

ž NRC Sample # 5 Business Days (50% surcharge) (Lab Use Only) 3 Business Days (75% surcharge) Rush Status (Subject to Scheduling) 24 - 48 hours (100% surcharge) Yes X Standard 10-14 Days Š Authorized Remarks/Field Data NRC Workorder # (Lab Use Only) Other Section D Company Name: Medford School District Report Tron.havniear@medford.k12.or.us Address: 815 South Oakdale Avenue **Analysis Requested** Attention: Accounting Invoice Information Copy To andy.chasteen@medford.k12.or.u Medford, OR 97501 61172 Section C P.O. # CO 2019 Lead Testing of Containers 18-00 Central Collected 3 803 7:58 Required Project Information Time 5/30/2019 5/30/2019 5/30/2019 Collected Date Project Number: Project Name: Section B Matrix\* MO M M Bottle # ž ron.havniear@medford.k12.or.us Yes Across From Room 290 Unisex Restroom - Sink No Mail Report 815 South Oakdale Avenue Sample ID Room 142A (West) - Sink (3 - island) Fax: Room 142B (East)- Sink (5 - Island) Required Client Information 541-840-4315 Yes No **MSD 549C** Yes Collected By (Sign): Collected By (Print): Sample Information Medford, OR 97501 Email Report Fax Report Company: Section E Section A Address: Page 5 of Phone: Email:

1   1   1   1   1   1   1   1   1   1					-									
1   1   1   1   1   1   1   1   1   1					-									
- Diming Water WW. Wastewater W. Water S. Souloid St. Slorge O. Ol WP. Wip OT. Olme Sign First Control Sign					-									
1   1   1   1   1   1   1   1   1   1					-									
1					1									
- Dimiting Water WW-Water St-Shilling SL-Shilling SL-Shilling St-Shilling SL-Shilling SL-S					-									
- Drinking Water WW. Wastewater W. Water S. Soil/Suld St. Sludge O. Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Wastewater W. Water S. Soil/Suld St. Sludge O. Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Wastewater W. Water S. Soil/Suld St. Sludge O. Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Wastewater W. Water S. Soil/Suld St. Sludge O. Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Wastewater W. Water S. Soil/Suld St. Sludge O. Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Wastewater W. Water S. Soil/Suld St. Sludge O. Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Wastewater W. Water S. Soil/Suld St. Sludge OI - Oliner W. St. Sludge OI - Oli MP - Wipe OI - Oliner Sign  - Drinking Water WW. Wastewater W. Water S. Soil/Suld St. Sludge OI - Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Wastewater W. Water S. Soil/Suld St. Sludge OI - Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Water S. Soil/Suld St. Sludge OI - Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Water S. Soil/Suld St. Sludge OI - Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Water S. Soil/Suld St. Sludge OI - Oli WP - Wipe OI - Oliner Sign  - Drinking Water WW. Water S. Soil/Suld St. Sludge OI - Oliner W. Water S. Soil/Suld St. Sludge OI - Oliner W. Water S. Soil/Suld St. Sludge OI - Oliner W. Water S. Soil/Suld St. Sludge OI - Oliner W. Water S. Soil/Suld St. Soil/Suld St. Sludge OI - Oliner W. Water S. Soil/Suld St. Soil/Su					1									
- Drinking Water WW-Westewater W Water S. Solisoind St Suldge O - Oi WP - Wipo OT - Other  Sym  Time  Sym  Time  Show  Print  Date  Time  Section G  Show  Winner of Buller Recoved; S. Bill Collection  Show  Find Buller Collection  Show  Find Buller Household: Ves No. Find Find Bull														
Section G Sign  Print  Date  Sign  Date  Date  Sign  Date  Sign  Date  Sign  Date  Sign  Date  Sign  Da														
Section G Sign  Sign  Print  Date  Section G Sign  Print  Section G Sign  Si											+			
Section G Signs Print Signs Si					1			+	4		1			
-Dinking Water WW. Wastewater W. Water S. Soil/Suid SL. Sludge O. Oll WP - Wipe OT - Other Sign Port College Sign Port C					1			+	1		+			
Sign Phint Sign Last Collection of Sign Phint					+		1	+	4		+			
- Drinking Water WW - Wastewater W - Water S - SoilSoild St Single O - Oil WP - Wipe OT - Other  Sign  Print  Sign  Print  Section C  Sign  Print					+			+	-		+			
- Drinking Water WW - Wastewater W - Water S - Soil/Soild SL - Sludge O - Oil WP - Wipe OT - Other Sign					+			+	_		+			
- D'rinking Water W. Wastewater W. Water S. Soil/Soild St. Sludge O. Oll WP. Wipe OT - Other Sign  Sign  April 2007 (7/17) (1/17								+	+		+			
Sign Print					-			H			╁			
Diriking Water WW - Wastewater W - Water S - Soli/Solid SL - Sudge O - Oi WP - Wipe OT - Other Sign   Pent   Date   Time   Time   Lab Use On   VP - Wipe OT - Other   Section G   Lab Use On   VP - Wipe OT - Other   Section G   Lab Use On   VP - Wipe OT - Other   Section G   Lab Use On   VP - Wipe OT - Other   Section G   Lab Use On   VP - Wipe OT - Other   Control of Con									L		$\vdash$			
- Drinking Water WW - Wastewater W - Water S - Soil/Soild SL - Siudge O - Oi WP - Wipe OT - Other Sign														
Sign											Н			
- Drinking Water Www. Wastewater W Water S. Soil/Soild SL. Sludge O - Oil WP - Wipe OT - Other  Sign  Print  Sign  Print  Date  Time  Leab Use Only  Received on lace Yes No Received Of Lock Costs Interctives:  Print Date											$\dashv$			
- Drinking Water WW - Wastewater W - Water S - SoliSould SL - Sludge O - Oil WP - Wipe OT - Other Sign Print								+	_		$\dashv$			
- Drinking Water www-Wastewater w-Water S- SolifSolid SL- Sludge O- Oil WP-Wipe OT- Other  Sign  Print  Section C  Lab Use On y  Temp J J C C C Sease in society of C C Sease in Section C C Sease in society of C C Sease in Section C C			-		+			+	4		+			
- Drinking Water www-Wastewater W-Water S - Soil/Soild SL - Sludge O - Oil WP - Wipe OT - Other  Sign  Print  Sign  Print  Date  Time  AC - LPC - Yes No  Number of Bottles Received: S No  Number of Bottles Received: S No  Number of Bottles Received: S No  Received via Endts Received: S No  Fleat Blank Included: Yes No  Fleat State No  Fleat State					+			+	-		$\dagger$			
Section G Sign Sign Activity Sign Activity Sign Activity Sign Activity Acti					+			t	-	İ	+			
Print   Section G   Sign								H	-		+			
Sign  Print  Sign  Section G  Sign  Sign  Print  Sign	П										$\vdash$			
- Drinking Water www - Wastewater w - Water S - Soil/Soild SL - Sludge O - Oil wP - Wipe OT - Other Sign Print Date Time Lab Use Only WP - Wipe OT - Other Sign Print Date Time Lab Use Only Work of Sign Print Date Time Lab Use Only Work of Sign Print Date Time Lab Use Only Work of Sign Print Date o	Do are													
- Drinking Water Wv - Wastewater W - Water S - Soil/Solid SL - Sludge O - Oil WP - Wipe OT - Other  Sign  Print  Date Time  Lab Use Only  4°C +1-2°C: Yes No  4°C +1-2°C: Yes No  A°C +1-2°C: Yes No  Number of Bottles Received: Field Blank Included: Yes No  Field Blank Included								H			Н			
Print   Print   Sign   Print														
- Drinking Water ww- Wastewater w - Water S - Soil/Soild SL - Sludge O - Oil wP - Wipe OT - Other  Sign  Print  Section G  Lab Use Only  Print  Section G  Lab Use Only  A°C +L-2°C: Yes No  Received on loe: Yes \ No  Number of Bottles Received: Section G  Received on loe: Yes \ No  Number of Bottles Received: Section G  Received on loe: Yes \ No  Number of Bottles Received: Section G  Received via UPS FedEX Other X  Received Via UPS FedEX Other X  Payment: X Invoice Cash VISA, MIC Check # Amount	7													
- Drinking Water WW - Wastewater W - Water S - Soli/Solid SL - Sludge O - Oil WP - Wipe OT - Other  Sign  Print  Sign  Print  Date  Time  Lab Use Only  4°C +1-2°C: Yes No  Received on Ice: Yes V No  Number of Bottles Received: Sph Checked:  COC Seals Infact: Yes No  Field Blank Included: Yes No  Field Blank Include: Yes No  Field Blank Included: Yes No  Field Blan								+	4		+			
- Drinking Water WW - Wastewater W - Water S - Soil/Solid SL - Sludge O - Oil WP - Wipe OT - Other   Sign					+			+	-		+			1 No. 1
Sign  Sign  Print  Sign  Print				H			H	$\coprod$		H			State of the state	
Sign         Print         Date         Time         Lab Use Only           Print         Print         Print         Print         Print           Print <td>*Matrix: <b>DW</b> - Drinking Water <b>WW</b> - Wastewate</td> <td>W - Water</td> <td>- Soil/Solid SL</td> <td></td> <td>WP - V</td> <td>Nipe OT</td> <td>- Other</td> <td>+</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td>	*Matrix: <b>DW</b> - Drinking Water <b>WW</b> - Wastewate	W - Water	- Soil/Solid SL		WP - V	Nipe OT	- Other	+	4					
	ion F nquish/Receive		Print					Jate		T.		Section G		
10   10   10   10   10   10   10   10	Ke anny		C.	1	ulas	8	ľ	5-3	51.0	2,5	to a	Temp:		
Number of Bottles Received: 3   Number of Bottles Received:												4°C +/- 2°C: Received on Ice:	Yes No	
PH Checked: COC Seals Intact: Yes No Field Blank Included: Yes No Fred Cash VISA, M/C Check # Amount							П					Number of Bottles	Received: 3	
Field Blank Included: Yes No.   Field Blank Included: Yes No	Mel		doing	1	401	MIL		05-6	10	8		pH Checked: COC Seals Intact:	Yes No	
Cash VISA, M/C Check # Amount			V								Receive	Field Blank Include	d: Yes N	0
	)						Payme	nt: 🗡	Invoice	Cal	sh	VISA, M/C Check #	Amor	1 =



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

Website: www.nrclabs.com

**Data Flags** 

WO#: **19051187**Date: **6/11/2019** 

- 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.