



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

May 31, 2022

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

RE: Lone Pine 2022 Lead Testing

Order No.: 22050981

Dear Andy Chasteen:

Neilson Research Corporation received 1 sample(s) on 5/20/2022 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



**NEILSON  
RESEARCH  
CORPORATION**

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## Case Narrative

WO#: 22050981  
Date: 5/31/2022

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**CLIENT:** Medford School District  
**Project:** Lone Pine 2022 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#: 22050981  
 Date Reported: 5/31/2022

Medford School District  
 815 S Oakdale Ave  
 Medford , OR 97501

**Lab Order:** 22050981  
**Received Date:** 5/20/2022 11:30:00 AM  
**Reported Date:** 5/31/2022 11:10:49 AM

Sample Information:

**Lab ID:** 22050981-01      Client Sample ID: Kitchen-Hand Sink/Eye Wash (Island)  
 Collection Date: 5/20/2022 10:58:00 AM      Collected By:  
 Matrix: Drinking Water      Sample Location: Kitchen-Hand Sink/Eye Wash (Island)

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS			
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	29.8	*	0.500	ppb	1	5/24/2022	15.0	A	

<b>QUALIFIERS</b>	* Value exceeds Maximum Contaminant Level.	C1 Sample container temperature is out of limit as specified at testcode
	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	

**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#: 22050981

31-May-22

**Client:** Medford School District  
**Project:** Lone Pine 2022 Lead Testing

**TestCode:** LEAD\_DW

Sample ID: <b>MB-16920</b>	SampType: <b>MBLK</b>	TestCode: <b>LEAD_DW</b>	Units: <b>ppb</b>	Prep Date: <b>5/23/2022</b>	RunNo: <b>30063</b>
Client ID: <b>PBW</b>	Batch ID: <b>16920</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>5/24/2022</b>	SeqNo: <b>495294</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead	ND	0.500									
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Sample ID: <b>LCS-16920</b>	SampType: <b>LCS</b>	TestCode: <b>LEAD_DW</b>	Units: <b>ppb</b>	Prep Date: <b>5/23/2022</b>	RunNo: <b>30063</b>
Client ID: <b>LCSW</b>	Batch ID: <b>16920</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>5/24/2022</b>	SeqNo: <b>495295</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead	98.5	0.500	100	0	98.5	85	115				
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Sample ID: <b>22051023-01BMS</b>	SampType: <b>MS</b>	TestCode: <b>LEAD_DW</b>	Units: <b>ppb</b>	Prep Date: <b>5/23/2022</b>	RunNo: <b>30063</b>
Client ID: <b>BatchQC</b>	Batch ID: <b>16920</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>5/24/2022</b>	SeqNo: <b>495299</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead	96.8	0.500	100	0.436	96.3	70	130				
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Sample ID: <b>22051023-01BMSD</b>	SampType: <b>MSD</b>	TestCode: <b>LEAD_DW</b>	Units: <b>ppb</b>	Prep Date: <b>5/23/2022</b>	RunNo: <b>30063</b>
Client ID: <b>BatchQC</b>	Batch ID: <b>16920</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>5/24/2022</b>	SeqNo: <b>495300</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead	93.9	0.500	100	0.436	93.5	70	130	96.8	3.01	20	
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**Qualifiers:**

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

Original

# Sample Log-In Check List

Client Name: **MedfordSchoolDist** Work Order Number: **22050981** RcptNo: **1**

Logged by:	<b>Dorie Maier</b>	<b>5/20/2022 11:30:00 AM</b>	<i>Dorie Maier</i>
Completed By:	<b>Michelle Harsh</b>	<b>5/20/2022 1:45:14 PM</b>	<i>Michelle Harsh</i>
Reviewed By:	<b>Dorie Maier</b>	<b>5/31/2022 11:05:41 AM</b>	<i>Dorie Maier</i>

**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:	<input type="text"/>	Date	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:  
The sample submitted contained visible sediment.

**Cooler Information**

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