



# NEILSON RESEARCH CORPORATION

*Environmental Testing Laboratory*

2/22/2018

Dale Giovannetti  
Central Point Sch. Dist/Sams Valley Elem  
300 Ash St.  
Central Point, OR 97502

TEL: (541) 494-6924

FAX:

RE: Lead Study-Sams Valley Elem

Order No.: 1802627

Dear Dale Giovannetti:

Neilson Research Corporation received 3 sample(s) on 2/16/2018 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 R. Schmedemann  
Project Manager

245 S Grape St • Medford, OR 97501 • (541) 770-5678  
400 SE G St, Suite B • Grants Pass, OR 97526 • (541) 479-4053

[www.nrclabs.com](http://www.nrclabs.com)

# Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

## Analysis Report

ORELAP 100016  
EPA OR00028

**CLIENT:** Central Point Sch. Dist/Sams Valley Elem  
**Project:** Lead Study-Sams Valley Elem  
**Lab Order:** 1802627

**Date:** 22-Feb-18

## CASE NARRATIVE

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.

# Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

## Analysis Report

ORELAP 100016  
EPA OR00028

Central Point Sch. Dist/Sams Valley Ele

Lab Order: 1802627

300 Ash St.

Received Date: 2/16/2018 9:17:00 AM

Central Point, OR 97502

Reported Date: 2/22/2018 5:15:17 PM

Sample Information: Lead Study-Sams Valley Elem

### Lab ID: 1802627-01

Collection Date: 2/16/2018 6:22:00 AM

Matrix: DRINKING WATER

Client Sample ID: Classroom 12 DF

Source: City Water

Sample Location: Classroom 12 DF

#### Trace Metals by EPA 200.8 ICP-MS

Analyses	Result	Qual	MRL	Units	Dilution Factor	Analyst: CSB Date Analyzed	NELAP Accredited
Lead	0.00220		0.0001	mg/L	1	2/20/2018	A

### Lab ID: 1802627-02

Collection Date: 2/16/2018 6:23:00 AM

Matrix: DRINKING WATER

Client Sample ID: Library Sink

Source: City Water

Sample Location: Library Sink

#### Trace Metals by EPA 200.8 ICP-MS

Analyses	Result	Qual	MRL	Units	Dilution Factor	Analyst: CSB Date Analyzed	NELAP Accredited
Lead	0.155	CF*	0.0001	mg/L	1	2/20/2018	A

### Lab ID: 1802627-03

Collection Date: 2/16/2018 6:19:00 AM

Matrix: DRINKING WATER

Client Sample ID: Staffroom Sink

Source: City Water

Sample Location: Staffroom Sink

#### Trace Metals by EPA 200.8 ICP-MS

Analyses	Result	Qual	MRL	Units	Dilution Factor	Analyst: CSB Date Analyzed	NELAP Accredited
Lead	0.00159		0.0001	mg/L	1	2/20/2018	A

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Minimum Reporting Limit

## **Neilson Research Corporation**

### DATA FLAGS

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 or Matrix Spike recovery is out of control limits due to matrix interference. Sample results may be biased.
N	See Case Narrative on page 2 of report.
Q	Closing 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 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.
T	Toxicity Characteristic Leaching Procedure – Sample submitted contained < 0.5% solids. If the waste contains <0.5% dry solids, the liquid portion of the waste, after filtration, is defined as the TCLP extract.
#	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.

**CLIENT:** Central Point Sch. Dist/Sams Valley Elem  
**Work Order:** 1802627  
**Project:** Lead Study-Sams Valley Elem

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: ICPMS\_200.8\_SCHOOL**

Sample ID: <b>MB-40401</b>	SampType: <b>MBLK</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>2/20/2018</b>	RunNo: <b>101570</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>40401</b>	TestNo: <b>EPA 200.8</b>	( <b>EPA 200.8</b> )	Analysis Date: <b>2/20/2018</b>	SeqNo: <b>1530899</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.000100

Sample ID: <b>LCS-40401</b>	SampType: <b>LCS</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>2/20/2018</b>	RunNo: <b>101570</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>40401</b>	TestNo: <b>EPA 200.8</b>	( <b>EPA 200.8</b> )	Analysis Date: <b>2/20/2018</b>	SeqNo: <b>1530900</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.1018 0.000100 0.1 0 102 85 115

Sample ID: <b>1802676-03AMS</b>	SampType: <b>MS</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>2/20/2018</b>	RunNo: <b>101570</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>40401</b>	TestNo: <b>EPA 200.8</b>	( <b>EPA 200.8</b> )	Analysis Date: <b>2/21/2018</b>	SeqNo: <b>1531439</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.1037 0.000100 0.1 0.000836 103 70 130

Sample ID: <b>1802676-03AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>ICPMS_200.8</b>	Units: <b>mg/L</b>	Prep Date: <b>2/20/2018</b>	RunNo: <b>101570</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>40401</b>	TestNo: <b>EPA 200.8</b>	( <b>EPA 200.8</b> )	Analysis Date: <b>2/21/2018</b>	SeqNo: <b>1531440</b>						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.09550 0.000100 0.1 0.000836 94.7 70 130 0.1037 8.20 20

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not Detected at the Minimum Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

