

October 31, 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.: 19101089

Dear Andy Chasteen:

Neilson Research Corporation received 29 sample(s) on 10/24/2019 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 Symederiam

Tamra Schmedemann Senior Project Manager

245 S Grape St Medford, OR 97501



**Case Narrative** 

WO#: **19101089**Date: **10/31/2019** 

**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#: 19101089 Date Reported: 10/31/2019

Medford School District 815 S Oakdale Ave Medford, OR 97501

**Lab Order:** 19101089

**Received Date:** 10/24/2019 10:26:00 AM Reported Date: 10/31/2019 9:24:12 AM

Sample Information:

Lab ID: 19101089-01 Client Sample ID: Girl's Locker Rm Training Rm-Sink

Collection Date: 10/24/2019 6:00:00 AM Collected By: Larry Plew

Matrix: **Drinking Water** Sample Location: Girl's Locker Rm Training Rm-Sink

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS Date **NELAP** Analyses Result Qual **MRL** Units DF **Analyzed MCL Status** 0.00371 0.000103 mg/L 10/25/2019 0.0150 Α Lead 1

Lab ID: 19101089-02 Client Sample ID: Boy's Locker Rm-Sink (1)

Collection Date: 10/24/2019 6:05:00 AM Collected By: Larry Plew

Matrix: Sample Location: Boy's Locker Rm-Sink (1) **Drinking Water** 

SJS Analyst; Trace Metals by EPA 200.8 ICP-MS **NELAP Date** Result Qual **MRL** Units DF MCL **Analyses Analyzed Status** Lead 0.00168 0.000103 mg/L 10/25/2019 0.0150 Α

19101089-03 Lab ID: Boy's Locker Rm-Sink (3) Client Sample ID:

Collection Date: 10/24/2019 6:06:00 AM Collected By: Larry Plew

Matrix: Drinking Water Sample Location: Boy's Locker Rm-Sink (3)

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS **NELAP** Date Result **Oual** Units DF **MCL** Analyses **MRL Analyzed Status** 10/25/2019 Lead 0.0213 0.000103 mg/L 1 0.0150 Α

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

ΜI Recovery outside comtrol limits due to Matrix Interference

PL. Permit Limit



### **Analytical Report**

WO#: 19101089 Date Reported: 10/31/2019

Medford School District 815 S Oakdale Ave Medford, OR 97501

**Lab Order:** 19101089

**Received Date:** 10/24/2019 10:26:00 AM Reported Date: 10/31/2019 9:24:12 AM

Sample Information:

Lab ID: 19101089-04 Client Sample ID: Boy's Locker Rm-Sink (4)

Collection Date: 10/24/2019 6:08:00 AM Collected By: Larry Plew

Matrix: **Drinking Water** Sample Location: Boy's Locker Rm-Sink (4)

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS Date **NELAP** Analyses Result Qual **MRL** Units DF **Analyzed MCL Status** 0.00969 0.000103 mg/L 10/25/2019 0.0150 Α Lead

Lab ID: 19101089-05 Client Sample ID: Boy's Locker Rm Coach's Area-Sink

Collection Date: 10/24/2019 6:12:00 AM Collected By: Larry Plew

Matrix: Sample Location: Boy's Locker Rm Coach's Area-Sink **Drinking Water** 

SJS Analyst; Trace Metals by EPA 200.8 ICP-MS **NELAP Date** Units Result Qual **MRL** DF MCL Analyses Analyzed **Status** Lead 0.00179 0.000103 mg/L 10/25/2019 0.0150 Α

19101089-06 NTS Women's RR-Sink Lab ID: Client Sample ID:

Collection Date: 10/24/2019 6:23:00 AM Collected By: Larry Plew

Matrix: Drinking Water Sample Location: NTS Women's RR-Sink

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS **NELAP** Date **Analyses** Result **Oual** Units DF **MCL MRL Analyzed Status** 10/25/2019 Lead 0.0491 0.000103 mg/L 1 0.0150 Α

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

ΜI Recovery outside comtrol limits due to Matrix Interference

PL. Permit Limit



Website: www.nrclabs.com

### **Analytical Report**

WO#: 19101089 Date Reported: 10/31/2019

Medford School District 815 S Oakdale Ave Medford, OR 97501

**Lab Order:** 19101089

**Received Date:** 10/24/2019 10:26:00 AM Reported Date: 10/31/2019 9:24:12 AM

Sample Information:

Lab ID: 19101089-07 Client Sample ID: Upstairs (Police Training Rm)-Sink

Collection Date: 10/24/2019 6:33:00 AM Collected By: Larry Plew

Matrix: **Drinking Water** Sample Location: Upstairs (Police Training Rm)-Sink

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS Date **NELAP** Analyses Result Qual **MRL** Units DF **Analyzed MCL Status** 0.0119 0.000103 mg/L 10/25/2019 0.0150 Lead Α

Lab ID: 19101089-08 Client Sample ID: Sodexo/Paint Shop Men's RR-Sink (L)

Collection Date: 10/24/2019 6:45:00 AM Collected By: Larry Plew

Matrix: Sample Location: Sodexo/Paint Shop Men's RR-Sink (L) **Drinking Water** 

SJS Analyst; Trace Metals by EPA 200.8 ICP-MS **NELAP Date** Units Qual **MRL** DF MCL Analyses Result **Analyzed Status** Lead 0.00807 0.000103 mg/L 10/25/2019 0.0150 Α

19101089-09 Lab ID: Sodexo/Paint Shop Women's RR-Sink (L) Client Sample ID:

Collection Date: 10/24/2019 6:47:00 AM Collected By: Larry Plew

Matrix: Drinking Water Sample Location: Sodexo/Paint Shop Women's RR-Sink (L)

Trace Metals by EPA 200.8 ICP-MS				Α	nalyst;	SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00387		0.000103	mg/L	1	10/25/2019	0.0150	Α

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
- MI Recovery outside comtrol limits due to Matrix Interference
- PLPermit Limit



Website: www.nrclabs.com

### **Analytical Report**

WO#: **19101089**Date Reported: **10/31/2019** 

Medford School District 815 S Oakdale Ave Medford , OR 97501 **Lab Order:** 19101089

**Received Date:** 10/24/2019 10:26:00 AM **Reported Date:** 10/31/2019 9:24:12 AM

Sample Information:

Lab ID: 19101089-10 Client Sample ID: Metal Shop-Trough Sink (R Fixture)

Collection Date: 10/24/2019 6:53:00 AM Collected By: Larry Plew

Matrix: Drinking Water Sample Location: Metal Shop-Trough Sink (R Fixture)

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS Date **NELAP** Analyses Result Qual **MRL** Units DF **Analyzed MCL Status** 0.000872 0.000103 mg/L 10/25/2019 0.0150 Lead Α

Lab ID: 19101089-11 Client Sample ID: Home Side S (Blue) Men's RR-Sink (L)

Collection Date: 10/24/2019 7:01:00 AM Collected By: Larry Plew

Matrix: Drinking Water Sample Location: Home Side S (Blue) Men's RR-Sink (L)

SJS Analyst; Trace Metals by EPA 200.8 ICP-MS **NELAP Date** Result Qual **MRL** Units DF MCL Analyses **Analyzed Status** Lead 0.00396 0.000103 mg/L 10/25/2019 0.0150 Α

Lab ID: 19101089-12 Client Sample ID: Home Side S (Blue) Men's RR-Sink (R)

Collection Date: 10/24/2019 6:59:00 AM Collected By: Larry Plew

Matrix: Drinking Water Sample Location: Home Side S (Blue) Men's RR-Sink (R)

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS **NELAP** Date Result Units DF **MCL** Analyses **Oual MRL Analyzed Status** 10/25/2019 Lead 0.00363 0.000103 mg/L 1 0.0150 Α

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting LimitR RPD outside accepted recovery limits

C1 Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit



Website: www.nrclabs.com

### **Analytical Report**

WO#: **19101089**Date Reported: **10/31/2019** 

Medford School District 815 S Oakdale Ave Medford , OR 97501 **Lab Order:** 19101089

**Received Date:** 10/24/2019 10:26:00 AM **Reported Date:** 10/31/2019 9:24:12 AM

Sample Information:

Lab ID: 19101089-13 Client Sample ID: Home Side N (Red) Men's RR-Sink (L)

Collection Date: 10/24/2019 7:04:00 AM Collected By: Larry Plew

Matrix: Drinking Water Sample Location: Home Side N (Red) Men's RR-Sink (L)

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS Date **NELAP** Analyses Result Qual **MRL** Units DF **Analyzed MCL Status** 0.00637 0.000103 mg/L 10/25/2019 0.0150 Lead 1 Α

Lab ID: 19101089-14 Client Sample ID: Rm 106-Sink

Collection Date: 10/24/2019 6:34:00 AM Collected By:

Matrix: Drinking Water Sample Location: Rm 106-Sink

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS **NELAP Date** Result Qual **MRL** Units DF MCL **Analyses Analyzed Status** Lead 0.00219 0.000103 mg/L 1 10/25/2019 0.0150 Α

**Lab ID:** 19101089-15 Client Sample ID: By Rm 144 Unisex RR-Sink (R)

Collection Date: 10/24/2019 6:24:00 AM Collected By:

Matrix: Drinking Water Sample Location: By Rm 144 Unisex RR-Sink (R)

Trace Metals by EPA 200.8 ICP-MS				A	nalyst;	SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00208		0.000103	mg/L	1	10/25/2019	0.0150	Α

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting LimitR RPD outside accepted recovery limits

C1 Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit



Website: www.nrclabs.com

### **Analytical Report**

WO#: 19101089 Date Reported: 10/31/2019

Medford School District 815 S Oakdale Ave Medford, OR 97501

**Lab Order:** 19101089

**Received Date:** 10/24/2019 10:26:00 AM

Reported Date: 10/31/2019 9:24:12 AM

Sample Information:

Lab ID: 19101089-16

Trace Metals by EPA 200.8 ICP-MS

Client Sample ID: Rm 147-Sink (Double)

Collection Date:

10/24/2019 6:17:00 AM

Collected By:

Matrix:

**Drinking Water** 

Sample Location:

Rm 147-Sink (Double)

DF

Analyst;

**NELAP** 

Α

**Analyses** 

Matrix:

Result

0.00185

Qual **MRL**  Units mg/L

10/25/2019 1

**MCL Status** 

Lead Lab ID:

19101089-17

**Drinking Water** 

Client Sample ID:

Sample Location:

0.000103

Below Stage Near Dress Rm (Bsmt)-Sink (L)

Date

**Analyzed** 

Collection Date:

10/24/2019 6:45:00 AM

Collected By:

Below Stage Near Dress Rm (Bsmt)-Sink (L)

Trace Metals by EPA 200.8 ICP-MS

Analyst;

DF

1

DF

SJS **NELAP Date** 

0.0150

0.0150

Analyses Lead

Qual **MRL** Result 0.000647 0.000103

mg/L

Units

**Analyzed** 10/25/2019 MCL **Status** 

Lab ID:

Matrix:

19101089-18

Drinking Water

Client Sample ID:

Below Stage Near Dress Rm (Bsmt)-Sink (C)

Collection Date:

10/24/2019 6:45:00 AM

Collected By: Sample Location:

Below Stage Near Dress Rm (Bsmt)-Sink (C)

Date

**Analyzed** 

Trace Metals by EPA 200.8 ICP-MS

**Oual** 

Analyst;

SJS

**NELAP** 

Α

Analyses Lead

0.000345

Result

**MRL** 0.000103 Units mg/L

1 10/25/2019 **MCL Status** 

0.0150

I

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

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

ΜI Recovery outside comtrol limits due to Matrix Interference

PLPermit Limit

Results are out of the EPA limits

Original



Website: www.nrclabs.com

### **Analytical Report**

WO#: 19101089

Date Reported: 10/31/2019

Medford School District 815 S Oakdale Ave Medford , OR 97501 **Lab Order:** 19101089

**Received Date:** 10/24/2019 10:26:00 AM **Reported Date:** 10/31/2019 9:24:12 AM

Sample Information:

Lab ID: 19101089-19 Client Sample ID: Below Stage Near Dress Rm (Bsmt)-Sink (R)

Collection Date: 10/24/2019 6:45:00 AM Collected By:

Matrix: Drinking Water Sample Location: Below Stage Near Dress Rm (Bsmt)-Sink (R)

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS Date **NELAP** Analyses Result Qual **MRL** Units DF **Analyzed MCL Status** 0.000630 0.000103 mg/L 10/25/2019 0.0150 Lead 1 Α

Lab ID: 19101089-20 Client Sample ID: Hall of Fame Men's RR-Sink (L)

Collection Date: 10/24/2019 6:55:00 AM

Matrix: Drinking Water Sample Location: Hall of Fame Men's RR-Sink (L)

SJS Analyst; Trace Metals by EPA 200.8 ICP-MS **NELAP Date** Qual **MRL** Units DF MCL Analyses Result **Analyzed Status** Lead 0.00266 0.000103 mg/L 1 10/25/2019 0.0150 Α

Collected By:

**Lab ID:** 19101089-21 Client Sample ID: Rm 288-Sink (1)

Collection Date: 10/24/2019 7:14:00 AM Collected By:

Matrix: Drinking Water Sample Location: Rm 288-Sink (1)

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS Date **NELAP** Result Units DF **MCL** Analyses **Oual MRL Analyzed Status** Lead 0.00532 0.000103 mg/L 1 10/25/2019 0.0150 Α

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

C1 Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit

Results are out of the EPA limits

Original



Website: www.nrclabs.com

### **Analytical Report**

WO#: 19101089 Date Reported: 10/31/2019

Medford School District 815 S Oakdale Ave Medford, OR 97501

Lab Order: 19101089

**Received Date:** 10/24/2019 10:26:00 AM Reported Date: 10/31/2019 9:24:12 AM

Date

**Analyzed** 

10/25/2019

10/25/2019

Sample Information:

Lab ID: 19101089-22 Client Sample ID:

Rm 288-Sink (2)

Collection Date:

10/24/2019 7:14:00 AM

Collected By:

Qual

Qual

Sample Location:

Rm 288-Sink (2)

Trace Metals by EPA 200.8 ICP-MS

Analyst;

**NELAP MCL Status** 

Analyses

Matrix:

Result 0.00430

Result

**MRL** 0.000103

1

DF

0.0150

0.0150

Α

Lab ID:

Lead

19101089-23

**Drinking Water** 

Client Sample ID:

Rm 288-Sink (3)

Collection Date:

10/24/2019 7:16:00 AM

Collected By:

Matrix:

**Drinking Water** 

Sample Location:

Rm 288-Sink (3) Analyst;

SJS

**Analyses** 

Trace Metals by EPA 200.8 ICP-MS

**MRL** 

Units DF

Units

mg/L

**Date** MCL **Analyzed** 

**NELAP Status** 

Α

Lead

Lab ID:

0.00321

0.000103 Client Sample ID:

Rm 288-Sink (4)

1

Collection Date:

10/24/2019 7:16:00 AM

19101089-24

Drinking Water

Collected By:

Sample Location:

mg/L

Rm 288-Sink (4)

Trace Metals by EPA 200.8 ICP-MS

Analyst;

**NELAP** 

Α

**Analyses** 

Matrix:

**Oual MRL**  Units

DF

Date **Analyzed**  **MCL Status** 

Lead

0.00270

Result

0.000103

mg/L

10/25/2019 1

SJS

0.0150

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

I Analyte detected below quantitation limits

RPD outside accepted recovery limits

Not Detected at the Reporting Limit

C1 Sample container temperature is out of limit as specified at testcode

Н Holding times for preparation or analysis exceeded

ΜI Recovery outside comtrol limits due to Matrix Interference

PLPermit Limit

Results are out of the EPA limits

Original



Website: www.nrclabs.com

### **Analytical Report**

WO#: **19101089**Date Reported: **10/31/2019** 

Medford School District 815 S Oakdale Ave Medford , OR 97501 **Lab Order:** 19101089

**Received Date:** 10/24/2019 10:26:00 AM **Reported Date:** 10/31/2019 9:24:12 AM

Sample Information:

**Lab ID:** 19101089-25 Client Sample ID: Rm 288-Sink (5)

Collection Date: 10/24/2019 7:17:00 AM Collected By:

Matrix: Drinking Water Sample Location: Rm 288-Sink (5)

Analyst; Trace Metals by EPA 200.8 ICP-MS Date **NELAP** Analyses Result Qual **MRL** Units DF **Analyzed MCL Status** 0.0106 0.000103 mg/L 10/25/2019 0.0150 Lead 1 Α

**Lab ID:** 19101089-26 Client Sample ID: Rm 288-Sink (6)

Collection Date: 10/24/2019 7:17:00 AM Collected By:

Matrix: Drinking Water Sample Location: Rm 288-Sink (6)

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS **NELAP Date** Units **MRL** DF MCL **Analyses** Result Qual **Analyzed Status** Lead 0.0196 0.000103 mg/L 1 10/25/2019 0.0150 Α

Lab ID: 19101089-27 Client Sample ID: Outside Rm 288 Women's RR-Sink (L)

Collection Date: 10/24/2019 7:28:00 AM Collected By:

Matrix: Drinking Water Sample Location: Outside Rm 288 Women's RR-Sink (L)

Trace Metals by EPA 200.8 ICP-MS				Α	nalyst;	SJS			
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	1
Lead	0.00215		0.000103	mg/L	1	10/25/2019	0.0150	Α	ì

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

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



Website: www.nrclabs.com

### **Analytical Report**

WO#: 19101089 Date Reported: 10/31/2019

Medford School District 815 S Oakdale Ave Medford, OR 97501

**Lab Order:** 19101089

**Received Date:** 10/24/2019 10:26:00 AM Reported Date: 10/31/2019 9:24:12 AM

Sample Information:

Lab ID: 19101089-28 Client Sample ID: Outside Rm 288 Women's RR-Sink (C)

Collection Date: 10/24/2019 7:33:00 AM Collected By:

Matrix: **Drinking Water** Sample Location: Outside Rm 288 Women's RR-Sink (C)

Analyst; SJS Trace Metals by EPA 200.8 ICP-MS Date **NELAP** Analyses Result Qual **MRL** Units DF **Analyzed MCL Status** 0.00186 0.000103 mg/L 10/25/2019 0.0150 Α Lead 1

Lab ID: 19101089-29 Client Sample ID: Rm 285 Unisex RR-Sink

Collection Date: 10/24/2019 7:42:00 AM Collected By:

Matrix: Sample Location: Rm 285 Unisex RR-Sink **Drinking Water** 

SJS Analyst; Trace Metals by EPA 200.8 ICP-MS **NELAP Date** Analyses **MRL** Units Qual DF MCL Result **Analyzed Status** Lead 0.00304 0.000103 mg/L 1 10/25/2019 0.0150 Α

- Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- J 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
- PLPermit Limit



# **QC SUMMARY REPORT**

WO#: **19101089** 

31-Oct-19

**Client:** Medford School District

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

Project:	18-00 Central 20.	19 Lead Testing						estCode: 1	LEAU_DW		
Sample ID:	MB-2216	SampType: MBLK	TestCode: <b>LEAD_D</b>	W Units: mg/L		Prep Dat	te: <b>10/25/2</b>	019	RunNo: 51	76	
Client ID:	PBW	Batch ID: 2216	TestNo: <b>E200.8</b>	E200.8		Analysis Da	te: <b>10/25/2</b>	019	SeqNo: 992	253	
Analyte		Result	PQL SPK valu	e SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		ND	0.000103								
Sample ID:	LCS-2216	SampType: LCS	TestCode: <b>LEAD_D</b>	W Units: mg/L		Prep Dat	te: <b>10/25/2</b>	019	RunNo: 517	76	
Client ID:	LCSW	Batch ID: 2216	TestNo: <b>E200.8</b>	E200.8		Analysis Dat	te: <b>10/25/2</b>	019	SeqNo: 992	254	
Analyte		Result	PQL SPK valu	e SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		0.115	0.000104 0.100	0	115	85	115				
Sample ID:	19101089-12AMS	SampType: MS	TestCode: <b>LEAD_D</b>	W Units: mg/L		Prep Da	te: <b>10/25/2</b>	019	RunNo: 51	76	
Sample ID: Client ID:	19101089-12AMS Home Side S (Blue)	SampType: MS Batch ID: 2216	TestCode: LEAD_D TestNo: E200.8	W Units: mg/L E200.8		Prep Dar Analysis Dar			RunNo: 517 SeqNo: 992	-	
·				E200.8	%REC	Analysis Da	te: <b>10/25/2</b> 0			-	Qual
Client ID:		Batch ID: <b>2216</b>	TestNo: <b>E200.8</b>	E200.8 e SPK Ref Val	%REC	Analysis Da	te: <b>10/25/2</b> 0	019	SeqNo: 992	269	Qual
Client ID: Analyte		Batch ID: 2216	TestNo: <b>E200.8</b> PQL SPK valu	E200.8 e SPK Ref Val		Analysis Da	te: <b>10/25/2</b> 0	019	SeqNo: 992	269	Qual
Client ID: Analyte Lead		Batch ID: 2216	TestNo: <b>E200.8</b> PQL SPK valu	E200.8  E SPK Ref Val  0 0.003629		Analysis Date LowLimit 70	te: <b>10/25/2</b> 0	019 RPD Ref Val	SeqNo: 992	RPDLimit	Qual
Client ID: Analyte Lead	Home Side S (Blue)	Batch ID: <b>2216</b> Result  0.114	TestNo: <b>E200.8</b> PQL SPK valu  0.000104 0.100	E200.8  E SPK Ref Val  0 0.003629		Analysis Date LowLimit 70	te: <b>10/25/2</b> 0 HighLimit 130	019 RPD Ref Val	SeqNo: 99; %RPD	RPDLimit	Qual
Client ID: Analyte Lead Sample ID:	Home Side S (Blue)	Batch ID: 2216  Result  0.114  SampType: MSD	TestNo: <b>E200.8</b> PQL SPK valu  0.000104 0.100  TestCode: <b>LEAD_D</b>	E200.8  E SPK Ref Val  0 0.003629  W Units: mg/L E200.8		Analysis Date  LowLimit  70  Prep Date  Analysis Date	HighLimit 130 te: 10/25/20 te: 10/25/20	019 RPD Ref Val	SeqNo: 99: %RPD RunNo: 51:	RPDLimit	Qual

Qualifiers:

Value exceeds Maximum Contaminant Level.

MI Recovery outside comtrol limits due to Matrix Interference

RL Reporting Detection Limit

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 exceedε

PL Permit Limit



# **QC SUMMARY REPORT**

WO#: **19101089** 

31-Oct-19

**Client:** Medford School District

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

Project:	18-00 Central 20	19 Lead Testing					TestCode:	LEAD_DW	
Sample ID:	MB-2217	SampType: MBLK	TestCode: LEAD_DW	Units: mg/L		Prep Date:	10/25/2019	RunNo: <b>5176</b>	
Client ID:	PBW	Batch ID: 2217	TestNo: <b>E200.8</b>	E200.8		Analysis Date:	10/25/2019	SeqNo: <b>99273</b>	
Analyte		Result	PQL SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
Lead		ND	0.000103						
Sample ID:	LCS-2217	SampType: LCS	TestCode: <b>LEAD_DW</b>	Units: mg/L		Prep Date:	10/25/2019	RunNo: <b>5176</b>	
Client ID:	LCSW	Batch ID: 2217	TestNo: <b>E200.8</b>	E200.8		Analysis Date:	10/25/2019	SeqNo: <b>99274</b>	
Analyte		Result	PQL SPK value	SPK Ref Val	%REC	LowLimit F	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
Lead		0.109	0.000104 0.1000	0	109	85	115		
Sample ID:	19101096-01AMS	SampType: MS	TestCode: <b>LEAD_DW</b>	Units: mg/L		Prep Date:	10/25/2019	RunNo: <b>5176</b>	
Sample ID: Client ID:	19101096-01AMS BatchQC	SampType: MS Batch ID: 2217	TestCode: <b>LEAD_DW</b> TestNo: <b>E200.8</b>	Units: mg/L E200.8		Prep Date: Analysis Date:		RunNo: <b>5176</b> SeqNo: <b>99295</b>	
				_	%REC	Analysis Date:			Qual
Client ID:		Batch ID: 2217	TestNo: <b>E200.8</b>	E200.8	%REC	Analysis Date:	10/25/2019	SeqNo: <b>99295</b>	Qual
Client ID:		Batch ID: 2217  Result	TestNo: <b>E200.8</b> PQL SPK value	E200.8 SPK Ref Val		Analysis Date:	10/25/2019 HighLimit RPD Ref Val	SeqNo: <b>99295</b>	Qual
Client ID: Analyte Lead		Batch ID: 2217  Result	TestNo: <b>E200.8</b> PQL SPK value	E200.8  SPK Ref Val  0.0005892		Analysis Date: LowLimit F	10/25/2019 HighLimit RPD Ref Val	SeqNo: <b>99295</b>	Qual
Client ID: Analyte Lead	BatchQC	Batch ID: <b>2217</b> Result  0.118	TestNo: <b>E200.8</b> PQL SPK value  0.000104 0.1000	E200.8  SPK Ref Val  0.0005892		Analysis Date: LowLimit F	10/25/2019 HighLimit RPD Ref Val 130 10/25/2019	SeqNo: 99295 %RPD RPDLimit	Qual
Client ID: Analyte Lead Sample ID:	BatchQC 19101096-01AMSD	Batch ID: 2217  Result  0.118  SampType: MSD	TestNo: <b>E200.8</b> PQL SPK value  0.000104 0.1000  TestCode: <b>LEAD_DW</b>	E200.8  SPK Ref Val  0.0005892  Units: mg/L		Analysis Date:  LowLimit F  70  Prep Date: Analysis Date:	10/25/2019 HighLimit RPD Ref Val 130 10/25/2019	SeqNo: 99295  %RPD RPDLimit  RunNo: 5176	Qual

Qualifiers:

Value exceeds Maximum Contaminant Level.

MI Recovery outside comtrol limits due to Matrix Interference

RL Reporting Detection Limit

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 exceedε

PL Permit Limit

# | CORPORATION | LESEARCH | CORPORATION | Laboratory 245 South Grape Street \* Medford, OR 97501 (541) 770-5678 fax (541) 770-2901

Chain of Custody Record

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

å NRC Sample # 5 Business Days (50% surcharge) 3 Business Days (75% surcharge) (Lab Use Only) Rush Status (Subject to Scheduling) NRC Workorder # |0| | 0 | 0 | 8 | 35 24 - 48 hours (100% surcharge) 400 3 Yes Standard 10-14 Days Remarks/Field Data Authorized 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. # 200 2019 Lead Testing No. of Containers 18-00 Central Collected 7:03 0.45 6:05 5/3 Required Project Information 7:9 6:00 6.33 6:50 90:0 000 65.9 100 10 Collected 10/24 Project Number: = Project Name: Section B Matrix\* MO MO MO M MO M M MO MO Š M M Ճ 81818 Bottle # 58052 54089 58036 01000 58056 54475 58647 58033 8026 8040 SCC06 003 ž ron.havniear@medford.k12.or.us Home Side South (Blue) Men's Restroom - Sink (Right) Horse Side South (Blue) Men's Restroom - Sink (Left) Yes Home Side North (Red) Men's Restroom - Sink (Left) Sodexo/Paint Shop Women's Restroom - Sink (Left) Sodexo/Paint Shop Men's Restroom - Sink (Left) Wife w Email Report Yes No Máil Report 815 South Oakdale Avenue Girl's Locker Room Training Room - Sink Boy's Locker Room Coach's Area - Sink Metel. Shop - Trough Sink (Right Fixture) Sample ID Upstairs (Police Training Room) - Sink 541-840-4315 Fax: Collected By (Print): L.A RRY Collected By (Sign): NTS Women's Restroom - Sink Required Client Information Boy's Locker Room - Sink (3) Boy's Locker Room - Sink (4) Boy's Locker Room - Sink (1) 2 **MSD 549C** Yes Sample Information Medford, OR 97501 Fax Report Company: Section E Address: Phone: Email:

																																0 :: 19 : 0	e Only	Temp: $(MM)'$	509 TO	Number of Bottles Received: / S	pH Checked: M COC Seals Intact: Vos No.	0	/ia UPS FedEX Other Ha
ŀ	+	+	+		$\perp$															Н	+	+	+	+	+	+	+	+	Н	+	Н			₹		0		ě	ived V
																																		29	4.5	2	Ç	1	Rece
																																	Time	7	4.0		C	0	
																																		61	10		9	5	
																																		he	24/		11x		
																																<u></u>	Date		101	JI	101		,
																																- Other						1	
																										Ī						0						\$	
ŀ	+	+	$\dagger$	+	H												H			+	+	$\dagger$	+	+	t	$\dagger$	H		+	+	H	- Wipe				Ш	1 200	AND CONTRACTOR	
ŀ	+	+	-	+																	+	+	+	+	t	+	-		+	+	H	<b>×</b>					0		
H	+		+	+		Н	$\dashv$	$\dashv$	Н	Н	Н	Н		Н				$\dashv$	$\dashv$	+	+	+	+	+	+	+	-		+	+	$H^{3}$	5		34	1		4	*	
														1																		agge		J'LE	West I				
$\vdash$	+	+	+	t			+	1					Н			Н	Н		+	+	+	$\dagger$	+	+	$\dagger$	+	$\vdash$		+	$\dagger$	H	ار ا		Ry DLE	2 ,		V.V		
																															7:1-0	Noolid <b>S</b> i		1,000	101		TO SOLVE		
																																00 - <b>0</b> 10						7	
																															10,01	wate						1	
																																<u> </u>		1	1		1		
																								Page	16	5 of	19				*Matrix: DW - Drinking Water WW Wasternates W Water S California 10 California	Section F	h/Receive		3y:		Received By Laboratory: MMU Schm of U.S.		

# 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 CORPORATION RESEARCH

Section A	Ū.	Section R					C soite o	,			ē
Required Client Information	œ	equired	Required Project Information	rmation		, <u>=</u>	Ivoice II	Invoice Information	Section D	Section D Rush Status (Subject to Scheduling)	(pui
Company: MSD 549C	4	Project Name:		2019 Lead Testing	Festing	ď	Attention:	Accounting	Star	Standard 10-14 Days	ĥ
Address: 815 South Oakdale Avenue	ď	Project Number:		18-00 Central	a		ompany	12		5 Business Davs (50% surcharde)	arge)
Medford, OR 97501	8	eport T r	Report Tron.hayniear@medford.k12.or.us	ar@med	ford.k12.	_	Address:	815 South Oakdale Avenue		3 Business Days (75% surcharde)	(SE)
Email: ron.havniear@medford.k12.or.us	O	opy To a	Copy To andy.chasteen@medford.k12.or.u Medford, OR 97501	teen@me	dford.k1	2.or.u	ledford,	OR 97501		24 - 48 hours (100% surcharge)	() () () () () () () () () () () () () (
Phone: 541-840-4315 Fax:						ш	P.O.#	61172	Other	, ie	
Collected By (Print):										Authorized Yes	2
Collected By (Sign):							Analy	Analysis Requested			
Email Report Yes No   Mail Report Yes No							-		L		
Fax Report Yes No					sıəui						
Section E Sample Information					Conta				NRC Workor	NRC Workorder # \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	5
Sample ID	Bottle # N	Matrix*	Date	Time	No. of				Remark	Remarks/Field Data NRC Sample #	mple #
Room 106 - Sink	58057	MO	58 W	46:34	\ \		$\vdash$			ADI.	(Amb)
Iroom - Sink (Right)	58058	MO	tre 100)	424	1					AN CONTRACTOR	
	OLOSS.	Н	10/24	Coil	-					30)	
Below The Stage Near Dressing Rooms (Basement) - Sink (Left)	57993	DW	10/24	36:02	1						d
Below The Stage Near Dressing Rooms (Basement) - Sink (Center)5岁のと	52026		10/24	6:45	1					8	I
sasement) - Sink (Right)	5465	$\dashv$	10124	4:45	1					01	4
Restroom - Sink (Left)	5.8035	$\dashv$	10124	6:55	-					20	t
Roam 279 - Sink (1)		MO			_					/	1
Rosm 279 - Sink (2)		DW			1					/	
Ro <del>ěn</del> 279 - Sink (3)		DW			1					X	/
Rostn 279 - Sink (4)		DW			1						/
	bythe		prio	7:14	1					210	1
~	54450		10/24	7:14	1					400	1
	56959		10/24	7:14	1					180	4
	58061	$\dashv$	ioley	7110	1					たっ	4
	Supel	DW	10/24	7:17	-					186	4
	14085		10/24	1111	1					こっ	d
3	14300	DW	trial	1:13	-					りして	d
oom - Sink (Center)	58071	DW	10/14	1:33	-					× ×	d
Room 285 Unisex Restroom - Sink	60000	DW	10/14	2416	-					100	X
					+		+		H		
							+				
		1					-				

												_		
						112				L		$\vdash$		
					-		İ	-	-	L	İ	╁		
					-			F			İ	╁		
								-	-	L		H		
												-		
													0.000	
													1000	
												-	776	
									L			H		
												$\vdash$		
												_		
												-		
										L		H		
												H		
					H			+	-			-	54726	
Paş					+			+	-			+		<b>新加州</b>
ge														
18					-					_		$\dashv$		
of														
19														
					+			+	-					
											İ	+		
*Matrix: DW - Drinking Water WW - Wastewater W - Water S - Soil/Solid SL - Sludge O - Oil WP - Wine	er <b>W</b> - Wate	r <b>S</b> -So		O-O	WP - V	Vine OT	- Other		Н			Н	1562	
Section F	Control of the Contro	į E		200		2	<u>;</u>						Section G	
live			Print	1				- 1	- 1	1		1	Lab Use Only	
Received By:			WILKS	Made				10/2	54/10	-	10.56		Temp: CVVVV	,
Relinquished By:												T	4°C +/- 2°C: Yes	No No No
Received By:												Т	Number of Bottles Receiv	
1				9			П					П	pH Checked: \(\int\) (\(\int\)	
Received by Laboratory: (1977/10 S. (Mynycol) (1946)		J	thon or	Mona or Lahy an edid mone	Section .	are		10/20119	4119	10:	10:36	٦	10: 26 COC Seals Intact: Yes I	Yes No NA
								,			Recei	ived V	ia UPS FedEX	Other Ha
							Payment: X	nt: 🗡	Invoice	32	ash	VIS	A, M/C Check #	nount
										ı				



Website: www.nrclabs.com

**Data Flags** 

WO#: **19101089**Date: **10/31/2019** 

- 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.