



Neilson Research Corporation  
245 S Grape St  
Medford, OR 97501  
TEL: (541) 770-5678 FAX: (541) 770-2901  
Website: [www.nrclabs.com](http://www.nrclabs.com)

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

Tamra Schmedemann  
Senior Project Manager  
245 S Grape St  
Medford, OR 97501

Original



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## Case Narrative

WO#: 19101089  
Date: 10/31/2019

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**CLIENT:** Medford School District

**Project:** 18-00 Central 2019 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#: 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

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

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

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00168		0.000103	mg/L	1	10/25/2019	0.0150	A	

**Lab ID:** 19101089-03 **Client Sample ID:** Boy's Locker Rm-Sink (3)  
**Collection Date:** 10/24/2019 6:06:00 AM **Collected By:** Larry Plew  
**Matrix:** Drinking Water **Sample Location:** Boy's Locker Rm-Sink (3)

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

QUALIFIERS	*	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		

Results are out of the EPA limits

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## Analytical Report

WO#: 19101089

Date Reported: 10/31/2019

Medford School District  
815 S Oakdale Ave  
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**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)

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00969		0.000103	mg/L	1	10/25/2019	0.0150	A	

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

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00179		0.000103	mg/L	1	10/25/2019	0.0150	A	

**Lab ID:** 19101089-06 **Client Sample ID:** NTS Women's RR-Sink  
**Collection Date:** 10/24/2019 6:23:00 AM **Collected By:** Larry Plew  
**Matrix:** Drinking Water **Sample Location:** NTS Women's RR-Sink

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

QUALIFIERS	*	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		

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**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

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.0119		0.000103	mg/L	1	10/25/2019	0.0150	A	

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

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00807		0.000103	mg/L	1	10/25/2019	0.0150	A	

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

QUALIFIERS	*	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
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**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)

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.000872		0.000103	mg/L	1	10/25/2019	0.0150	A	

**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)

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00396		0.000103	mg/L	1	10/25/2019	0.0150	A	

**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)

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

QUALIFIERS	*	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		

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**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)

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

**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

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

**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								Analyst: 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	A	

QUALIFIERS	*	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
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**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 **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)

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00185		0.000103	mg/L	1	10/25/2019	0.0150	A	

**Lab ID:** 19101089-17 **Client Sample ID:** Below Stage Near Dress Rm (Bsmt)-Sink (L)  
**Collection Date:** 10/24/2019 6:45:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Below Stage Near Dress Rm (Bsmt)-Sink (L)

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.000647		0.000103	mg/L	1	10/25/2019	0.0150	A	

**Lab ID:** 19101089-18 **Client Sample ID:** Below Stage Near Dress Rm (Bsmt)-Sink (C)  
**Collection Date:** 10/24/2019 6:45:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Below Stage Near Dress Rm (Bsmt)-Sink (C)

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.000345		0.000103	mg/L	1	10/25/2019	0.0150	A	

QUALIFIERS	*	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		

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## 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)

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

**Lab ID:** 19101089-20 **Client Sample ID:** Hall of Fame Men's RR-Sink (L)  
**Collection Date:** 10/24/2019 6:55:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Hall of Fame Men's RR-Sink (L)

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

**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)

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

QUALIFIERS	*	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		

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Medford School District  
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**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:** 19101089-22 **Client Sample ID:** Rm 288-Sink (2)  
**Collection Date:** 10/24/2019 7:14:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Rm 288-Sink (2)

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00430		0.000103	mg/L	1	10/25/2019	0.0150	A	

**Lab ID:** 19101089-23 **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)

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00321		0.000103	mg/L	1	10/25/2019	0.0150	A	

**Lab ID:** 19101089-24 **Client Sample ID:** Rm 288-Sink (4)  
**Collection Date:** 10/24/2019 7:16:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Rm 288-Sink (4)

Trace Metals by EPA 200.8 ICP-MS								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00270		0.000103	mg/L	1	10/25/2019	0.0150	A	

QUALIFIERS	*	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
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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)

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

**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)

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

**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								Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00215		0.000103	mg/L	1	10/25/2019	0.0150	A	

QUALIFIERS	*	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
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**Lab Order:** 19101089  
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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)

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

**Lab ID:** 19101089-29 **Client Sample ID:** Rm 285 Unisex RR-Sink  
**Collection Date:** 10/24/2019 7:42:00 AM **Collected By:**  
**Matrix:** Drinking Water **Sample Location:** Rm 285 Unisex RR-Sink

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

QUALIFIERS	*	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
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## QC SUMMARY REPORT

WO#: 19101089  
31-Oct-19

**Client:** Medford School District  
**Project:** 18-00 Central 2019 Lead Testing

**TestCode:** LEAD\_DW

Sample ID: <b>MB-2216</b>	SampType: <b>MBLK</b>	TestCode: <b>LEAD_DW</b>	Units: <b>mg/L</b>	Prep Date: <b>10/25/2019</b>	RunNo: <b>5176</b>						
Client ID: <b>PBW</b>	Batch ID: <b>2216</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>10/25/2019</b>	SeqNo: <b>99253</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000103									

Sample ID: <b>LCS-2216</b>	SampType: <b>LCS</b>	TestCode: <b>LEAD_DW</b>	Units: <b>mg/L</b>	Prep Date: <b>10/25/2019</b>	RunNo: <b>5176</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>2216</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>10/25/2019</b>	SeqNo: <b>99254</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.115	0.000104	0.1000	0	115	85	115				

Sample ID: <b>19101089-12AMS</b>	SampType: <b>MS</b>	TestCode: <b>LEAD_DW</b>	Units: <b>mg/L</b>	Prep Date: <b>10/25/2019</b>	RunNo: <b>5176</b>						
Client ID: <b>Home Side S (Blue)</b>	Batch ID: <b>2216</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>10/25/2019</b>	SeqNo: <b>99269</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.114	0.000104	0.1000	0.003629	110	70	130				

Sample ID: <b>19101089-12AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>LEAD_DW</b>	Units: <b>mg/L</b>	Prep Date: <b>10/25/2019</b>	RunNo: <b>5176</b>						
Client ID: <b>Home Side S (Blue)</b>	Batch ID: <b>2216</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>10/25/2019</b>	SeqNo: <b>99270</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.114	0.000104	0.1000	0.003629	111	70	130	0.1135	0.723	20	

**Qualifiers:** \* Value exceeds Maximum Contaminant Level.  
MI Recovery outside control 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 exceeded  
PL Permit Limit

Original



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

## QC SUMMARY REPORT

WO#: 19101089  
31-Oct-19

**Client:** Medford School District  
**Project:** 18-00 Central 2019 Lead Testing

**TestCode:** LEAD\_DW

Sample ID: <b>MB-2217</b>	SampType: <b>MBLK</b>	TestCode: <b>LEAD_DW</b>	Units: <b>mg/L</b>	Prep Date: <b>10/25/2019</b>	RunNo: <b>5176</b>						
Client ID: <b>PBW</b>	Batch ID: <b>2217</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>10/25/2019</b>	SeqNo: <b>99273</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000103									

Sample ID: <b>LCS-2217</b>	SampType: <b>LCS</b>	TestCode: <b>LEAD_DW</b>	Units: <b>mg/L</b>	Prep Date: <b>10/25/2019</b>	RunNo: <b>5176</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>2217</b>	TestNo: <b>E200.8</b>	<b>E200.8</b>	Analysis Date: <b>10/25/2019</b>	SeqNo: <b>99274</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	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: LEAD_DW	Units: mg/L	Prep Date: 10/25/2019	RunNo: 5176						
Client ID: BatchQC	Batch ID: 2217	TestNo: E200.8	E200.8	Analysis Date: 10/25/2019	SeqNo: 99295						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.118	0.000104	0.1000	0.0005892	117	70	130				

Sample ID: 19101096-01AMSD	SampType: MSD	TestCode: LEAD_DW	Units: mg/L	Prep Date: 10/25/2019	RunNo: 5176						
Client ID: BatchQC	Batch ID: 2217	TestNo: E200.8	E200.8	Analysis Date: 10/25/2019	SeqNo: 99296						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.112	0.000104	0.1000	0.0005892	111	70	130	0.1176	5.06	20	

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- MI Recovery outside control 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 exceeded  
PL Permit Limit

Original





Page 1 of 3

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

1  
2  
3

## Section D

Company: MSD 549C		Project Name: 2019 Lead Testing		Invoice Information		Rush Status (Subject to Scheduling)	
Address: 815 South Oakdale Avenue Medford, OR 97501		Project Number: 18-00 Central		Attention: Accounting		Standard 10-14 Days	
Email: ron.havnear@medford.k12.or.us		Report T <a href="mailto:ron.havnear@medford.k12.or.us">ron.havnear@medford.k12.or.us</a>		Company Name: Medford School District		5 Business Days (50% surcharge)	
Phone: 541-840-4315 Fax:		Copy To <a href="mailto:andy.chasteen@medford.k12.or.us">andy.chasteen@medford.k12.or.us</a>		Address: 815 South Oakdale Avenue Medford, OR 97501		3 Business Days (75% surcharge)	
Collected By (Print): LARRY PLEW				P.O. # 61172		24 - 48 hours (100% surcharge)	
Collected By (Sign): <i>Larry Plew</i>						Other _____	
Email Report ___ Yes ___ No Mail Report ___ Yes ___ No						Authorized ___ Yes ___ No	
Fax Report ___ Yes ___ No							

### Sample Information

[illegible]







Environmental Testing 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.

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information		Section D Rush Status (Subject to Scheduling)	
Company:	MSD 549C	Project Name:	2019 Lead Testing	Attention:	Accounting	Standard 10-14 Days	
Address:	815 South Oakdale Avenue	Project Number:	18-00 Central	Company Name:	Medford School District	5 Business Days (50% surcharge)	
Medford, OR	97501	Report To:	ron.havnear@medford.k12.or.us	Address:	815 South Oakdale Avenue	3 Business Days (75% surcharge)	
Email:	ron.havnear@medford.k12.or.us	Copy To:	andy.chasteen@medford.k12.or.us		Medford, OR 97501	24 - 48 hours (100% surcharge)	
Phone:	541-840-4315			P.O. #	61172	Other	
Fax:						Authorized Yes No	
Collected By (Print):							
Collected By (Sign):							
Email Report	Yes No	Mail Report	Yes No				
Fax Report	Yes No						

Section E Sample Information				Analysis Requested				NRC Workorder # 19101089	
Sample ID	Bottle #	Matrix*	Date Collected	Time Collected	No. of Containers	Remarks/Field Data	NRC Sample # (Lab Use Only)		
Room 106 - Sink	58057	DW	10/24	6:34	1		14A		
By Room 144 Unisex Restroom - Sink (Right)	58058	DW	10/24	6:24	1		15A		
Room 147 - Sink (Double)	58070	DW	10/24	6:17	1		16A		
Below The Stage Near Dressing Rooms (Basement) - Sink (Left)	57993	DW	10/24	6:45	1		17A		
Below The Stage Near Dressing Rooms (Basement) - Sink (Center)	58029	DW	10/24	6:45	1		18A		
Below The Stage Near Dressing Rooms (Basement) - Sink (Right)	54465	DW	10/24	6:45	1		19A		
Hall of Fame Men's Restroom - Sink (Left)	58035	DW	10/24	6:55	1		20A		
Room 279 - Sink (1)		DW			1				
Room 279 - Sink (2)		DW			1				
Room 279 - Sink (3)		DW			1				
Room 279 - Sink (4)		DW			1				
Room 288 - Sink (1)	54464	DW	10/24	7:14	1		21A		
Room 288 - Sink (2)	54450	DW	10/24	7:14	1		22A		
Room 288 - Sink (3)	59959	DW	10/24	7:16	1		23A		
Room 288 - Sink (4)	58061	DW	10/24	7:16	1		24A		
Room 288 - Sink (5)	54461	DW	10/24	7:17	1		25A		
Room 288 - Sink (6)	58041	DW	10/24	7:17	1		26A		
Outside Room 288 Women's Restroom - Sink (Left)	54360	DW	10/24	7:26	1		27A		
Outside Room 288 Women's Restroom - Sink (Center)	58027	DW	10/24	7:33	1		28A		
Room 285 Unisex Restroom - Sink	60009	DW	10/24	7:42	1		29A		

Section F										Section G									
Relinquish/Receive										Lab Use Only									
Relinquished By:										Temp: <u>AMB</u>									
Received By:										4°C +/- 2°C: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									
Relinquished By:										Received on Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									
Received By:										Number of Bottles Received: <u>16</u>									
Relinquished By:										pH Checked: <u>N/A</u>									
Received By Laboratory:										COC Seals Intact: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>									
										Field Blank Included: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									
										Received Via: <u>UPS</u> <input type="checkbox"/> <u>VISA</u> <input type="checkbox"/> <u>M/C</u> <input type="checkbox"/> <u>Check #</u> <input type="checkbox"/>									
										Payment: <input checked="" type="checkbox"/> Invoice <input type="checkbox"/> Cash <input type="checkbox"/> <u>Received</u> <input type="checkbox"/> Amount <input type="checkbox"/>									

\*Matrix: DW - Drinking Water WW - Wastewater W - Water S - Soil/Solid SL - Sludge O - Oil WP - Wipe OT - Other



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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 <input type="checkbox"/>	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.

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