



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

January 27, 2020

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

RE: 18-52 Ruch 2020 Lead Testing

Order No.: 20010598

Dear Ron Havniear:

Neilson Research Corporation received 28 sample(s) on 1/16/2020 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
245 S Grape St
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TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Case Narrative

WO#: 20010598
Date: 1/27/2020

CLIENT: Medford School District

Project: 18-52 Ruch 2020 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.

Original



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Analytical Report

WO#: 20010598

Date Reported: 1/27/2020

Medford School District
815 S Oakdale Ave
Medford, OR 97501

Lab Order: 20010598
Received Date: 1/16/2020 10:22:00 AM
Reported Date: 1/27/2020 10:35:06 AM

Sample Information:

Lab ID: 20010598-01 **Client Sample ID:** Media Center Work Rm-Drinking Fountain
Collection Date: 1/16/2020 6:24:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Media Center Work Rm-Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00331		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-02 **Client Sample ID:** Media Center Work Rm-Sink
Collection Date: 1/16/2020 6:25:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Media Center Work Rm-Sink

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00583		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-03 **Client Sample ID:** Computer Rm-Drinking Fountain
Collection Date: 1/16/2020 6:27:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Computer Rm-Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000414		0.000103	mg/L	1	1/21/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	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#: 20010598

Date Reported: 1/27/2020

Medford School District
815 S Oakdale Ave
Medford, OR 97501

Lab Order: 20010598
Received Date: 1/16/2020 10:22:00 AM
Reported Date: 1/27/2020 10:35:06 AM

Sample Information:

Lab ID: 20010598-04 **Client Sample ID:** Computer Rm-Sink
Collection Date: 1/16/2020 6:28:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Computer Rm-Sink

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00158		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-05 **Client Sample ID:** Gym-Drinking Fountain
Collection Date: 1/16/2020 6:36:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Gym-Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00167		0.000103	mg/L	1	1/22/2020	0.0150	A

Lab ID: 20010598-06 **Client Sample ID:** Gym-Boy's Locker Rm R of Stage-Sink (L)
Collection Date: 1/16/2020 6:38:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Gym-Boy's Locker Rm R of Stage-Sink (L)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0222	*	0.000103	mg/L	1	1/21/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	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#: 20010598

Date Reported: 1/27/2020

Medford School District
815 S Oakdale Ave
Medford, OR 97501

Lab Order: 20010598
Received Date: 1/16/2020 10:22:00 AM
Reported Date: 1/27/2020 10:35:06 AM

Sample Information:

Lab ID: 20010598-07 **Client Sample ID:** Gym-Boy's Locker Rm R of Stage-Sink (R)
Collection Date: 1/16/2020 6:39:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Gym-Boy's Locker Rm R of Stage-Sink (R)

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0117		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-08 **Client Sample ID:** Gym-Girl's Locker Rm L of Stage-Sink (L)
Collection Date: 1/16/2020 6:42:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Gym-Girl's Locker Rm L of Stage-Sink (L)

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0131		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-09 **Client Sample ID:** Gym-Girl's Locker Rm L of Stage-Sink (R)
Collection Date: 1/16/2020 6:43:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Gym-Girl's Locker Rm L of Stage-Sink (R)

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0121		0.000103	mg/L	1	1/21/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	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#: 20010598

Date Reported: 1/27/2020

Medford School District
815 S Oakdale Ave
Medford, OR 97501

Lab Order: 20010598
Received Date: 1/16/2020 10:22:00 AM
Reported Date: 1/27/2020 10:35:06 AM

Sample Information:

Lab ID: 20010598-10 **Client Sample ID:** Kitchen Food Prep-Sink (L)
Collection Date: 1/16/2020 6:49:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Kitchen Food Prep-Sink (L)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00324		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-11 **Client Sample ID:** Kitchen Food Prep/Eyewash-Sink (R)
Collection Date: 1/16/2020 6:50:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Kitchen Food Prep/Eyewash-Sink (R)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000839		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-12 **Client Sample ID:** Kitchen-Sink (Pre-rinse/Dishwasher)
Collection Date: 1/16/2020 6:51:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Kitchen-Sink (Pre-rinse/Dishwasher)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0227	*	0.000103	mg/L	1	1/21/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	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, OR 97501

Lab Order: 20010598
Received Date: 1/16/2020 10:22:00 AM
Reported Date: 1/27/2020 10:35:06 AM

Sample Information:

Lab ID: 20010598-13 **Client Sample ID:** Kitchen-Sink (Hand Wash)
Collection Date: 1/16/2020 6:52:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Kitchen-Sink (Hand Wash)

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00156		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-14 **Client Sample ID:** Kitchen Unisex RR-Sink
Collection Date: 1/16/2020 6:53:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Kitchen 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	0.0234	*	0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-15 **Client Sample ID:** Rm 6-Drinking Fountain
Collection Date: 1/16/2020 7:01:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 6-Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00560		0.000103	mg/L	1	1/21/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	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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WO#: 20010598

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Medford, OR 97501

Lab Order: 20010598
Received Date: 1/16/2020 10:22:00 AM
Reported Date: 1/27/2020 10:35:06 AM

Sample Information:

Lab ID: 20010598-16 **Client Sample ID:** Rm 6-Sink
Collection Date: 1/16/2020 7:01:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 6-Sink

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00156		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-17 **Client Sample ID:** Rm 10-Drinking Fountain
Collection Date: 1/16/2020 7:09:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 10-Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00501		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-18 **Client Sample ID:** Rm 10-Sink
Collection Date: 1/16/2020 7:09:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 10-Sink

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00158		0.000103	mg/L	1	1/21/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	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#: 20010598

Date Reported: 1/27/2020

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Medford, OR 97501

Lab Order: 20010598
Received Date: 1/16/2020 10:22:00 AM
Reported Date: 1/27/2020 10:35:06 AM

Sample Information:

Lab ID: 20010598-19 **Client Sample ID:** Rm 11-Drinking Fountain
Collection Date: 1/16/2020 7:12:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 11-Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00339		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-20 **Client Sample ID:** Rm 11-Sink
Collection Date: 1/16/2020 7:12:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 11-Sink

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00109		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-21 **Client Sample ID:** Rm 12-Drinking Fountain
Collection Date: 1/16/2020 7:18:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 12-Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00240		0.000103	mg/L	1	1/21/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	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#: 20010598

Date Reported: 1/27/2020

Medford School District
815 S Oakdale Ave
Medford, OR 97501

Lab Order: 20010598
Received Date: 1/16/2020 10:22:00 AM
Reported Date: 1/27/2020 10:35:06 AM

Sample Information:

Lab ID: 20010598-22 **Client Sample ID:** Rm 12-Sink
Collection Date: 1/16/2020 7:18:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 12-Sink

Trace Metals by EPA 200.8 ICP-MS						Analyst; SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00388		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-23 **Client Sample ID:** Rm 13-Drinking Fountain
Collection Date: 1/16/2020 7:21:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 13-Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS						Analyst; SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00361		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-24 **Client Sample ID:** Rm 13-Sink
Collection Date: 1/16/2020 7:21:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 13-Sink

Trace Metals by EPA 200.8 ICP-MS						Analyst; SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00802		0.000103	mg/L	1	1/21/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	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#: 20010598

Date Reported: 1/27/2020

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Lab Order: 20010598
Received Date: 1/16/2020 10:22:00 AM
Reported Date: 1/27/2020 10:35:06 AM

Sample Information:

Lab ID: 20010598-25 **Client Sample ID:** Rm 14-Drinking Fountain (N Side)
Collection Date: 1/16/2020 7:30:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 14-Drinking Fountain (N Side)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0170	*	0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-26 **Client Sample ID:** Rm 14-Sink (N Side)
Collection Date: 1/16/2020 7:30:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 14-Sink (N Side)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00155		0.000103	mg/L	1	1/21/2020	0.0150	A

Lab ID: 20010598-27 **Client Sample ID:** Rm 14-Drinking Fountain (S Side)
Collection Date: 1/16/2020 7:28:00 AM **Collected By:**
Matrix: Drinking Water **Sample Location:** Rm 14-Drinking Fountain (S Side)

Trace Metals by EPA 200.8 ICP-MS							Analyst: SJS	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0137		0.000103	mg/L	1	1/23/2020	0.0150	

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	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: 20010598
Received Date: 1/16/2020 10:22:00 AM
Reported Date: 1/27/2020 10:35:06 AM

Sample Information:

Lab ID: 20010598-28 Client Sample ID: Rm 14-Sink (S Side)
Collection Date: 1/16/2020 7:28:00 AM Collected By:
Matrix: Drinking Water Sample Location: Rm 14-Sink (S Side)

Trace Metals by EPA 200.8 ICP-MS						Analyst: SJS		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0127		0.000103	mg/L	1	1/21/2020	0.0150	A

QUALIFIERS	*	Value exceeds Maximum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
	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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QC SUMMARY REPORT

WO#: 20010598
27-Jan-20

Client: Medford School District
Project: 18-52 Ruch 2020 Lead Testing

TestCode: LEAD_DW

Sample ID: MB-2908	SampType: MBLK	TestCode: LEAD_DW	Units: mg/L	Prep Date: 1/20/2020	RunNo: 7065
Client ID: PBW	Batch ID: 2908	TestNo: E200.8	E200.8	Analysis Date: 1/20/2020	SeqNo: 129031
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead ND 0.000103

Sample ID: LCS-2908	SampType: LCS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 1/20/2020	RunNo: 7065
Client ID: LCSW	Batch ID: 2908	TestNo: E200.8	E200.8	Analysis Date: 1/20/2020	SeqNo: 129032
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead 0.0992 0.000104 0.1000 0 99.2 85 115

Sample ID: 20010605-01AMS	SampType: MS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 1/20/2020	RunNo: 7065
Client ID: BatchQC	Batch ID: 2908	TestNo: E200.8	E200.8	Analysis Date: 1/20/2020	SeqNo: 129034
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead 0.0986 0.000104 0.1000 0.00006489 98.5 70 130

Sample ID: 20010605-01AMSD	SampType: MSD	TestCode: LEAD_DW	Units: mg/L	Prep Date: 1/20/2020	RunNo: 7065
Client ID: BatchQC	Batch ID: 2908	TestNo: E200.8	E200.8	Analysis Date: 1/20/2020	SeqNo: 129035
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead 0.0975 0.000104 0.1000 0.00006489 97.5 70 130 0.09861 1.09 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 exceed
PL Permit Limit

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QC SUMMARY REPORT

WO#: 20010598
27-Jan-20

Client: Medford School District
Project: 18-52 Ruch 2020 Lead Testing

TestCode: LEAD_DW

Sample ID: MB-2907	SampType: MBLK	TestCode: LEAD_DW	Units: mg/L	Prep Date: 1/20/2020	RunNo: 7065
Client ID: PBW	Batch ID: 2907	TestNo: E200.8	E200.8	Analysis Date: 1/21/2020	SeqNo: 129083
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead ND 0.000103

Sample ID: LCS-2907	SampType: LCS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 1/20/2020	RunNo: 7065
Client ID: LCSW	Batch ID: 2907	TestNo: E200.8	E200.8	Analysis Date: 1/21/2020	SeqNo: 129085
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead 0.0971 0.000104 0.1000 0 97.1 85 115

Sample ID: 20010598-13AMS	SampType: MS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 1/20/2020	RunNo: 7065
Client ID: Kitchen-Sink (Hand	Batch ID: 2907	TestNo: E200.8	E200.8	Analysis Date: 1/21/2020	SeqNo: 129108
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead 0.0988 0.000104 0.1000 0.001564 97.2 70 130

Sample ID: 20010598-13AMSD	SampType: MSD	TestCode: LEAD_DW	Units: mg/L	Prep Date: 1/20/2020	RunNo: 7065
Client ID: Kitchen-Sink (Hand	Batch ID: 2907	TestNo: E200.8	E200.8	Analysis Date: 1/21/2020	SeqNo: 129109
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead 0.104 0.000104 0.1000 0.001564 103 70 130 0.09879 5.29 20

Qualifiers: * Value exceeds Maximum Contaminant Level. C1 Sample container temperature is out of limit as specified at testcode H Holding times for preparation or analysis exceed
MI Recovery outside control limits due to Matrix Interference ND Not Detected at the Reporting Limit PL Permit Limit
RL Reporting Detection Limit

Original

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:	2020 Lead Testing	Attention:	Accounting	Standard 10-14 Days	
Address:	815 South Oakdale Avenue Medford, OR 97501	Project Number:	18-52 Ruch	Company Name:	Medford School District	5 Business Days (50% surcharge)	
Email:	ron.havnear@medford.k12.or.us	Report To	ron.havnear@medford.k12.or.us	Address:	815 South Oakdale Avenue Medford, OR 97501	3 Business Days (75% surcharge)	
Phone:	541-840-4315 Fax:	Copy To	andy.chasteen@medford.k12.or.us	P.O. #	61172	24 - 48 hours (100% surcharge)	
Collected By (Print):						Other	
Collected By (Sign):						Authorized Yes No	
Email Report Yes No	Mail Report Yes No						
Fax Report Yes No							

Section E Sample Information				Analysis Requested				No. of Containers	NRC Workorder # (Lab Use Only)	Remarks/Field Data (Lab Use Only)	NRC Sample # (Lab Use Only)
Sample ID	Bottle #	Matrix*	Date Collected	Time Collected							
Media Center Work Room - Drinking Fountain	54331	DW	1/16/20	6:24	1			1	200598		01A
Media Center Work Room - Sink	54361	DW	1/16/20	6:25	1			1			02A
Computer Room - Drinking Fountain	54277	DW	1/16/20	6:27	1			1			03A
Computer Room - Sink	54180	DW	1/16/20	6:28	1			1			04A
Gym - Drinking Fountain	54257	DW	1/16/20	6:36							05A
Gym - Boy's Locker Room Right Side Of The Stage - Sink (L)	54175	DW	1/16/20	6:38							06A
Gym - Boy's Locker Room Right Side Of The Stage - Sink (R)	54283	DW	1/16/20	6:39							07A
Gym - Girl's Locker Room Left Side Of The Stage - Sink (L)	54246	DW	1/16/20	6:42							08A
Gym - Girl's Locker Room Left Side Of The Stage - Sink (R)	54176	DW	1/16/20	6:43							09A
Kitchen Food Prep - Sink (Left)	54257	DW	1/16/20	6:49							10A
Kitchen Food Prep/Eyewash - Sink (Right)	54319	DW	1/16/20	6:50							11A
Kitchen - Sink (Pre-rinse/Dishwasher)	54440	DW	1/16/20	6:57							12A
Kitchen - Sink (Hand Wash)	54320	DW	1/16/20	6:57							13A
Kitchen Unisex Restroom - Sink	54243	DW	1/16/20	6:57							14A
Room 6 - Drinking Fountain	57732	DW	1/16/20	7:01							15A
Room 6 - Sink	54357	DW	1/16/20	7:01							16A
Outside Room 6 - Drinking Fountain	54252	DW	1/16/20	7:02						not included NRC	17A
Room 10 - Drinking Fountain	54356	DW	1/16/20	7:09							18A
Room 10 - Sink	54185	DW	1/16/20	7:09							19A
Room 11 - Drinking Fountain	57729	DW	1/16/20	7:12							20A
Room 11 - Sink	54244	DW	1/16/20	7:12							21A
Room 12 - Drinking Fountain	54177	DW	1/16/20	7:15							22A
Room 12 - Sink	54152	DW	1/16/20	7:18							23A
Outside Room 13 - Drinking Fountain	54152	DW	1/16/20	7:18						not included NRC	24A
Room 13 - Drinking Fountain	54154	DW	1/16/20	7:21							25A

- hr/>
- 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.