



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

August 26, 2020

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

RE: 18-05 Central 2020 Lead Testing

Order No.: 20080786

Dear Ron Havniar:

Neilson Research Corporation received 40 sample(s) on 8/19/2020 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



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Case Narrative

WO#: 20080786
Date: 8/26/2020

CLIENT: Medford School District
Project: 18-05 Central 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.

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Analytical Report

WO#: 20080786
 Date Reported: 8/26/2020

Medford School District
 815 S Oakdale Ave
 Medford, OR 97501

Lab Order: 20080786
Received Date: 8/19/2020 11:00:00 AM
Reported Date: 8/26/2020 10:31:46 AM

Sample Information:

Lab ID: 20080786-01 Client Sample ID: Room 1114 - Sink
 Collection Date: 8/19/2020 6:35:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1114 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0111		0.000100	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-02 Client Sample ID: Room 1118 - Sink
 Collection Date: 8/19/2020 6:38:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1118 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0108		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-03 Client Sample ID: Room 1118 - Drinking Fountain
 Collection Date: 8/19/2020 6:39:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1118 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00936		0.000103	mg/L	1	8/20/2020	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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Lab Order: 20080786
Received Date: 8/19/2020 11:00:00 AM
Reported Date: 8/26/2020 10:31:46 AM

Sample Information:

Lab ID: 20080786-04 Client Sample ID: Room 1119 - Sink
 Collection Date: 8/19/2020 6:42:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1119 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst:	KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.0716	*	0.000100	mg/L	1	8/20/2020	0.0150	A	

Lab ID: 20080786-05 Client Sample ID: Room 1119 - Drinking Fountain
 Collection Date: 8/19/2020 6:43:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1119 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst:	KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00712		0.000103	mg/L	1	8/20/2020	0.0150	A	

Lab ID: 20080786-06 Client Sample ID: Room 1120 - Sink
 Collection Date: 8/19/2020 6:45:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1120 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst:	KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.0110		0.000100	mg/L	1	8/20/2020	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
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Sample Information:

Lab ID: 20080786-07 Client Sample ID: Room 1121 - Sink
 Collection Date: 8/19/2020 6:48:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1121 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00535		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-08 Client Sample ID: Room 1121 Unisex Restroom - Sink
 Collection Date: 8/19/2020 6:50:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1121 Unisex Restroom - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00345		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-09 Client Sample ID: Room 1122 - Sink
 Collection Date: 8/19/2020 6:52:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1122 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0228	*	0.000100	mg/L	1	8/20/2020	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
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Sample Information:

Lab ID: 20080786-10 Client Sample ID: Room 1122 - Drinking Fountain
 Collection Date: 8/19/2020 6:53:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1122 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00625		0.000100	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-11 Client Sample ID: Room 1123 - Sink
 Collection Date: 8/19/2020 6:55:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1123 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0115		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-12 Client Sample ID: Room 1123 - Drinking Fountain
 Collection Date: 8/19/2020 6:56:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1123 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0147		0.000103	mg/L	1	8/20/2020	0.0150	A

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Sample Information:

Lab ID: 20080786-13 Client Sample ID: Room 1124 - Sink
 Collection Date: 8/19/2020 7:00:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1124 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00791		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-14 Client Sample ID: Room 1124 - Drinking Fountain
 Collection Date: 8/19/2020 7:01:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1124 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00651		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-15 Client Sample ID: Room 1125 SE Corner Room - Sink
 Collection Date: 8/19/2020 7:04:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Room 1125 SE Corner Room - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00243		0.000103	mg/L	1	8/20/2020	0.0150	A

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

Lab ID: 20080786-16 Client Sample ID: Women's Restroom - Hand Wash Sink (L)
 Collection Date: 8/19/2020 7:04:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Women's Restroom - Hand Wash Sink (L)

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00594		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-17 Client Sample ID: Women's Restroom - Hand Wash Sink (R)
 Collection Date: 8/19/2020 7:04:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Women's Restroom - Hand Wash Sink (R)

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0106		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-18 Client Sample ID: Men's Restroom - Hand Wash Sink (L)
 Collection Date: 8/19/2020 7:00:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Men's Restroom - Hand Wash Sink (L)

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00700		0.000103	mg/L	1	8/20/2020	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
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Lab Order: 20080786
Received Date: 8/19/2020 11:00:00 AM
Reported Date: 8/26/2020 10:31:46 AM

Sample Information:

Lab ID: 20080786-19 Client Sample ID: Men's Restroom - Hand Wash Sink (R)
 Collection Date: 8/19/2020 7:00:00 AM Collected By: Ethan Baros
 Matrix: Drinking Water Sample Location: Men's Restroom - Hand Wash Sink (R)

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0103		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-20 Client Sample ID: Room 1101 - Sink
 Collection Date: 8/19/2020 6:27:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1101 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0429	*	0.000100	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-21 Client Sample ID: Room 1102 - Sink
 Collection Date: 8/19/2020 6:30:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1102 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0247	*	0.000100	mg/L	1	8/20/2020	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
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Sample Information:

Lab ID: 20080786-22 Client Sample ID: Room 1102 - Drinking Fountain
 Collection Date: 8/19/2020 6:30:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1102 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00747		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-23 Client Sample ID: Room 1103 - Sink
 Collection Date: 8/19/2020 6:32:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1103 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.0145		0.000100	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-24 Client Sample ID: Room 1103 - Drinking Fountain
 Collection Date: 8/19/2020 6:33:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1103 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00218		0.000103	mg/L	1	8/20/2020	0.0150	A

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

Lab ID: 20080786-25 Client Sample ID: Room 1104 - Sink
 Collection Date: 8/19/2020 6:35:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1104 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst:	KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.0152	*	0.000100	mg/L	1	8/20/2020	0.0150	A	

Lab ID: 20080786-26 Client Sample ID: Room 1104 - Drinking Fountain
 Collection Date: 8/19/2020 6:36:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1104 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst:	KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.00103		0.000103	mg/L	1	8/20/2020	0.0150	A	

Lab ID: 20080786-27 Client Sample ID: Room 1107 - Sink
 Collection Date: 8/19/2020 6:37:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1107 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst:	KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.0694	*	0.000100	mg/L	1	8/20/2020	0.0150	A	

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

Lab ID: 20080786-28 Client Sample ID: Room 1107 - Drinking Fountain
 Collection Date: 8/19/2020 6:39:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1107 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS							Analyst: KMC	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000886		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-29 Client Sample ID: Room 1108 - Sink
 Collection Date: 8/19/2020 6:41:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1108 - Sink

Trace Metals by EPA 200.8 ICP-MS							Analyst: KMC	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.109	*	0.000100	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-30 Client Sample ID: Room 1108 - Drinking Fountain
 Collection Date: 8/19/2020 6:41:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1108 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS							Analyst: KMC	
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000896		0.000100	mg/L	1	8/20/2020	0.0150	A

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Sample Information:

Lab ID: 20080786-31 Client Sample ID: Room 1109 - Sink
 Collection Date: 8/19/2020 6:42:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1109 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst:	KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.108	*	0.000100	mg/L	1	8/20/2020	0.0150	A	

Lab ID: 20080786-32 Client Sample ID: Room 1109 - Drinking Fountain
 Collection Date: 8/19/2020 6:45:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1109 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst:	KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.000790		0.000103	mg/L	1	8/20/2020	0.0150	A	

Lab ID: 20080786-33 Client Sample ID: Room 1110 - Sink
 Collection Date: 8/19/2020 6:46:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1110 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst:	KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status	
Lead	0.119	*	0.000100	mg/L	1	8/20/2020	0.0150	A	

QUALIFIERS	* Value exceeds Maximum Contaminant Level.	C1 Sample container temperature is out of limit as specified at testcod
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 Website: www.nrclabs.com

Analytical Report

WO#: 20080786
 Date Reported: 8/26/2020

Medford School District
 815 S Oakdale Ave
 Medford, OR 97501

Lab Order: 20080786
Received Date: 8/19/2020 11:00:00 AM
Reported Date: 8/26/2020 10:31:46 AM

Sample Information:

Lab ID: 20080786-34 Client Sample ID: Room 1110 - Drinking Fountain
 Collection Date: 8/19/2020 6:47:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1110 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.000413		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-35 Client Sample ID: Room 1111 - Sink
 Collection Date: 8/19/2020 6:49:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1111 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00181		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-36 Client Sample ID: Room 1111 - Drinking Fountain
 Collection Date: 8/19/2020 6:50:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1111 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00102		0.000103	mg/L	1	8/20/2020	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

Original



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Analytical Report

WO#: 20080786
 Date Reported: 8/26/2020

Medford School District
 815 S Oakdale Ave
 Medford, OR 97501

Lab Order: 20080786
Received Date: 8/19/2020 11:00:00 AM
Reported Date: 8/26/2020 10:31:46 AM

Sample Information:

Lab ID: 20080786-37 Client Sample ID: Room 1112 - Sink
 Collection Date: 8/19/2020 6:51:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1112 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00108		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-38 Client Sample ID: Room 1112 - Drinking Fountain
 Collection Date: 8/19/2020 6:52:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1112 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00145		0.000103	mg/L	1	8/20/2020	0.0150	A

Lab ID: 20080786-39 Client Sample ID: Room 1113 - Sink
 Collection Date: 8/19/2020 6:53:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1113 - Sink

Trace Metals by EPA 200.8 ICP-MS								Analyst: KMC
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00249		0.000103	mg/L	1	8/20/2020	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

Original



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Analytical Report

WO#: 20080786
 Date Reported: 8/26/2020

Medford School District
 815 S Oakdale Ave
 Medford , OR 97501

Lab Order: 20080786
Received Date: 8/19/2020 11:00:00 AM
Reported Date: 8/26/2020 10:31:46 AM

Sample Information:

Lab ID: 20080786-40 Client Sample ID: Room 1113 - Drinking Fountain
 Collection Date: 8/19/2020 6:54:00 AM Collected By: Andrew Chasteen
 Matrix: Drinking Water Sample Location: Room 1113 - Drinking Fountain

Trace Metals by EPA 200.8 ICP-MS						Analyst: KMC		
Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.00163		0.000103	mg/L	1	8/20/2020	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

Original



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QC SUMMARY REPORT

WO#: 20080786
 26-Aug-20

Client: Medford School District
Project: 18-05 Central 2020 Lead Testing

TestCode: LEAD_DW

Sample ID: MB-5701	SampType: MBLK	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: PBW	Batch ID: 5701	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210358						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000103									

Sample ID: LCS-5701	SampType: LCS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: LCSW	Batch ID: 5701	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210359						
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	104	85	115				

Sample ID: MB-5703	SampType: MBLK	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: PBW	Batch ID: 5703	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210372						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000100									

Sample ID: LCS-5703	SampType: LCS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: LCSW	Batch ID: 5703	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210373						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.100	0.000100	0.1000	0	100	85	115				

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



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QC SUMMARY REPORT

WO#: 20080786
 26-Aug-20

Client: Medford School District
Project: 18-05 Central 2020 Lead Testing

TestCode: LEAD_DW

Sample ID: 20080829-01AMS	SampType: MS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: BatchQC	Batch ID: 5703	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210375						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.0942 0.000100 0.1000 0.001768 92.4 70 130

Sample ID: 20080829-01AMSD	SampType: MSD	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: BatchQC	Batch ID: 5703	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210376						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.0936 0.000100 0.1000 0.001768 91.9 70 130 0.09418 0.599 20

Sample ID: 20080786-32AMS	SampType: MS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: Room 1109 - Drinkin	Batch ID: 5701	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210389						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

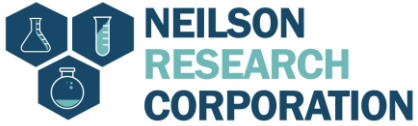
Lead 0.100 0.000104 0.1000 0.0007900 99.3 70 130

Sample ID: 20080786-32AMSD	SampType: MSD	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: Room 1109 - Drinkin	Batch ID: 5701	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210390						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.102 0.000104 0.1000 0.0007900 101 70 130 0.1001 1.63 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



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QC SUMMARY REPORT

WO#: 20080786
 26-Aug-20

Client: Medford School District
Project: 18-05 Central 2020 Lead Testing

TestCode: LEAD_DW

Sample ID: MB-5702	SampType: MBLK	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: PBW	Batch ID: 5702	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210393						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000103									

Sample ID: LCS-5702	SampType: LCS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: LCSW	Batch ID: 5702	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210394						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.105	0.000104	0.1000	0	105	85	115				

Sample ID: 20080845-01AMS	SampType: MS	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: BatchQC	Batch ID: 5702	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210404						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0998	0.000104	0.1000	0.0004357	99.4	70	130				

Sample ID: 20080845-01AMSD	SampType: MSD	TestCode: LEAD_DW	Units: mg/L	Prep Date: 8/20/2020	RunNo: 13992						
Client ID: BatchQC	Batch ID: 5702	TestNo: E200.8	E200.8	Analysis Date: 8/20/2020	SeqNo: 210405						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0995	0.000104	0.1000	0.0004357	99.1	70	130	0.09982	0.284	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



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 Website: www.nrclabs.com

Sample Log-In Check List

Client Name: **MedfordSchoolDist** Work Order Number: **20080786** RcptNo: **1**

Logged by:	Naomi Orr	8/19/2020 11:00:00 AM	<i>Naomi Orr</i>
Completed By:	Michelle Harsh	8/19/2020 2:43:07 PM	<i>Michelle Harsh</i>
Reviewed By:	Tamra Schmedemann	8/19/2020 4:17:46 PM	<i>Tamra Schmedemann</i>

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 Custody seals intact on shipping container/cooler? Yes No Not Present
 No. Seal Date: Signed By:
 5. Was an attempt made to cool the samples? Yes No NA
 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 7. Sample(s) in proper container(s)? Yes No
 8. Sufficient sample volume for indicated test(s)? Yes No
 9. Are samples (except VOA and ONG) properly preserved? Yes No
 10. Was preservative added to bottles? Yes No NA
 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes No HNO3 pH <2
 No VOA Vials
 12. Were any sample containers received broken? Yes No
 13. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 14. Are matrices correctly identified on Chain of Custody? Yes No
 15. Is it clear what analyses were requested? Yes No
 16. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes No NA

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

18. Additional remarks:

Cooler Information

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

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	<input type="checkbox"/> Standard 10-14 Days
Address: 815 South Oakdale Avenue Medford, OR 97501	Project Number: 18-05 Central	Company Name: Medford School District	<input type="checkbox"/> 5 Business Days (50% surcharge)
Email: <u>ron.havnear@medford.k12.or.us</u>	Report <u>ron.havnear@medford.k12.or.us</u>	Address: 815 South Oakdale Avenue Medford, OR 97501	<input type="checkbox"/> 3 Business Days (75% surcharge)
Phone: 541-840-4315 Fax:	Copy T <u>andy.chasteen@medford.k12.or.us</u>	P.O. # 61172	<input type="checkbox"/> 24 - 48 hours (100% surcharge)
Collected By (Print): <u>Andrew Chasteen</u>			<input type="checkbox"/> Other _____
Collected By (Sign): <u>[Signature]</u>			Authorized <input type="checkbox"/> Yes <input type="checkbox"/> No
Email Report <input type="checkbox"/> Yes <input type="checkbox"/> No Mail Report <input type="checkbox"/> Yes <input type="checkbox"/> No			
Fax Report <input type="checkbox"/> Yes <input type="checkbox"/> No			

Section E
Sample Information

Sample ID	Bottle	Matrix*	Date Collected	Time Collect	No. of Containers	Analysis Requested										Remarks/Field Data	NRC Sample # (Lab Use Only)		
Room 1101 - Sink		DW	8/19/2020	6:27	1	X													20
Room 1102 - Sink		DW	8/19/2020	6:30	1	X													21
Room 1102 - Drinking Fountain		DW	8/19/2020	6:30	1	X													22
Room 1103 - Sink		DW	8/19/2020	6:32	1	X													23
Room 1103 - Drinking Fountain		DW	8/19/2020	6:33	1	X													24
Room 1104 - Sink		DW	8/19/2020	6:35	1	X													25
Room 1104 - Drinking Fountain		DW	8/19/2020	6:36	1	X													26
Room 1105 - Sink		DW	8/19/2020		1														
Room 1107 - Sink		DW	8/19/2020	6:37	1	X													27
Room 1107 - Drinking Fountain		DW	8/19/2020	6:39	1	X													28
Room 1108 - Sink		DW	8/19/2020	6:41	1	X													29
Room 1108 - Drinking Fountain		DW	8/19/2020	6:41	1	X													30
Room 1109 - Sink		DW	8/19/2020	6:42	1	X													31
Room 1109 - Drinking Fountain		DW	8/19/2020	6:45	1	X													32
Room 1110 - Sink		DW	8/19/2020	6:46	1	X													33
Room 1110 - Drinking Fountain		DW	8/19/2020	6:47	1	X													34
Room 1111 - Sink		DW	8/19/2020	6:49	1	X													35
Room 1111 - Drinking Fountain		DW	8/19/2020	6:50	1	X													36
Room 1112 - Sink		DW	8/19/2020	6:51	1	X													37
Room 1112 - Drinking Fountain		DW	8/19/2020	6:52	1	X													38
Room 1113 - Sink		DW	8/19/2020	6:53	1	X													39
Room 1113 - Drinking Fountain		DW	8/19/2020	6:54	1	X													40

NRC Workorder #
(Lab Use Only) 20080782

Notable to Sample at this location NO

- 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.