



NEILSON RESEARCH CORPORATION

Environmental Testing Laboratory

8/5/2016

Rosie Pindilli
Medford Water Commission
200 S. Ivy Room 177
Medford, OR 97501

TEL: (541) 774-2728

FAX (541) 774-2555

RE: Lead Study Jackson Elementary

Order No.: 1608176

Dear Rosie Pindilli:

Neilson Research Corporation received 8 sample(s) on 8/3/2016 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

Alec C Smith
Project Manager

Neilson Research Corporation

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

Analysis Report

ORELAP 100016
EPA OR00028

CLIENT: Medford Water Commission
Project: Lead Study Jackson Elementary
Lab Order: 1608176

Date: 05-Aug-16

CASE NARRATIVE

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

Neilson Research Corporation

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

Analysis Report

ORELAP 100016
EPA OR0028

Medford Water Commission
200 S. Ivy Room 177
Medford, OR 97501

Lab Order: **1608176**
NRC Sample ID: **1608176-01A**
Collection Date: **8/2/2016 11:45:00 PM**
Received Date: **8/3/2016 9:00:00 AM**
Reported Date: **8/5/2016 11:49:55 AM**

Sample Information:

Lead Study Jackson Elementary

Client Sample ID: Jackson ES Meter #1
Collectors Name: Rosie Pindilli
Sample Location: Meter #1
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Copper	EPA 200.8	A	0.508		0.000515	mg/L	1.3 AL	8/3/2016	OML
Lead	EPA 200.8	A	0.00253		0.000103	mg/L	0.015 AL	8/3/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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Analysis Report

ORELAP 100016
EPA OR00028

Medford Water Commission

200 S. Ivy Room 177
Medford, OR 97501

Lab Order: **1608176**

NRC Sample ID: **1608176-02A**

Collection Date: **8/2/2016 11:45:00 PM**

Received Date: **8/3/2016 9:00:00 AM**

Reported Date: **8/5/2016 11:49:55 AM**

Sample Information:

Lead Study Jackson Elementary

Client Sample ID: Jackson ES Meter #2

Collectors Name: Rosie Pindilli

Sample Location: Meter #2

Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP Accredited	Result	Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
Copper	EPA 200.8	A	0.553		0.000515	mg/L	1.3 AL	8/3/2016	OML
Lead	EPA 200.8	A	0.00120		0.000103	mg/L	0.015 AL	8/3/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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Analysis Report

ORELAP 100016
EPA OR00028

Medford Water Commission
200 S. Ivy Room 177
Medford, OR 97501

Lab Order: **1608176**
NRC Sample ID: **1608176-03A**
Collection Date: **8/2/2016 11:45:00 PM**
Received Date: **8/3/2016 9:00:00 AM**
Reported Date: **8/5/2016 11:49:55 AM**

Sample Information:

Lead Study Jackson Elementary

Client Sample ID: Jackson ES Meter #3
Collectors Name: Rosie Pindilli
Sample Location: Meter #3
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Copper	EPA 200.8	A	0.560		0.000515	mg/L	1.3 AL	8/3/2016	OML
Lead	EPA 200.8	A	0.000801		0.000103	mg/L	0.015 AL	8/3/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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Analysis Report

ORELAP 100016
EPA OR0028

Medford Water Commission
200 S. Ivy Room 177
Medford, OR 97501

Lab Order: **1608176**
NRC Sample ID: **1608176-04A**
Collection Date: **8/2/2016 11:45:00 PM**
Received Date: **8/3/2016 9:00:00 AM**
Reported Date: **8/5/2016 11:49:55 AM**

Sample Information:

Lead Study Jackson Elementary

Client Sample ID: Jackson ES Meter #14
Collectors Name: Rosie Pindilli
Sample Location: Meter #14
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Copper	EPA 200.8	A	0.329		0.000515	mg/L	1.3 AL	8/3/2016	OML
Lead	EPA 200.8	A	0.000239		0.000103	mg/L	0.015 AL	8/3/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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Analysis Report

ORELAP 100016
EPA OR00028

Medford Water Commission
200 S. Ivy Room 177
Medford, OR 97501

Lab Order: **1608176**
NRC Sample ID: **1608176-05A**
Collection Date: **8/2/2016 11:45:00 PM**
Received Date: **8/3/2016 9:00:00 AM**
Reported Date: **8/5/2016 11:49:55 AM**

Sample Information:

Lead Study Jackson Elementary

Client Sample ID: Jackson ES Meter #18
Collectors Name: Rosie Pindilli
Sample Location: Meter #18
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Copper	EPA 200.8	A	0.139		0.000515	mg/L	1.3 AL	8/3/2016	OML
Lead	EPA 200.8	A	0.000914		0.000103	mg/L	0.015 AL	8/3/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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Analysis Report

ORELAP 100016
EPA OR00028

Medford Water Commission
200 S. Ivy Room 177
Medford, OR 97501

Lab Order: **1608176**
NRC Sample ID: **1608176-06A**
Collection Date: **8/2/2016 11:45:00 PM**
Received Date: **8/3/2016 9:00:00 AM**
Reported Date: **8/5/2016 11:49:55 AM**

Sample Information:

Lead Study Jackson Elementary

Client Sample ID: Jackson ES Meter #30
Collectors Name: Rosie Pindilli
Sample Location: Meter #30
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Copper	EPA 200.8	A	0.0498		0.000515	mg/L	1.3 AL	8/3/2016	OML
Lead	EPA 200.8	A	0.000212		0.000103	mg/L	0.015 AL	8/3/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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Analysis Report

ORELAP 100016
EPA OR00028

Medford Water Commission
200 S. Ivy Room 177
Medford, OR 97501

Lab Order: **1608176**
NRC Sample ID: **1608176-07A**
Collection Date: **8/2/2016 11:45:00 PM**
Received Date: **8/3/2016 9:00:00 AM**
Reported Date: **8/5/2016 11:49:55 AM**

Sample Information:

Lead Study Jackson Elementary

Client Sample ID: Jackson ES Meter #31
Collectors Name: Rosie Pindilli
Sample Location: Meter #31
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Copper	EPA 200.8	A	0.0442		0.000515	mg/L	1.3 AL	8/3/2016	OML
Lead	EPA 200.8	A	0.000198		0.000103	mg/L	0.015 AL	8/3/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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Analysis Report

ORELAP 100016
EPA OR00028

Medford Water Commission
200 S. Ivy Room 177
Medford, OR 97501

Lab Order: **1608176**
NRC Sample ID: **1608176-08A**
Collection Date: **8/2/2016 11:45:00 PM**
Received Date: **8/3/2016 9:00:00 AM**
Reported Date: **8/5/2016 11:49:55 AM**

Sample Information:

Lead Study Jackson Elementary

Client Sample ID: Jackson ES Meter #32
Collectors Name: Rosie Pindilli
Sample Location: Meter #32
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Copper	EPA 200.8	A	0.0424		0.000515	mg/L	1.3 AL	8/3/2016	OML
Lead	EPA 200.8	A	0.000183		0.000103	mg/L	0.015 AL	8/3/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

CLIENT: Medford Water Commission
Work Order: 1608176
Project: Lead Study Jackson Elementary

ANALYTICAL QC SUMMARY REPORT

TestCode: ICPMS_200.8_DW

Sample ID MB-36095	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 8/3/2016	RunNo: 88958						
Client ID: ZZZZZ	Batch ID: 36095	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 8/3/2016	SeqNo: 1337777						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	ND	0.000515									
Lead	ND	0.000103									

Sample ID LCS-36095	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 8/3/2016	RunNo: 88958						
Client ID: ZZZZZ	Batch ID: 36095	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 8/3/2016	SeqNo: 1337778						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	0.09702	0.000520	0.1	0.0001087	96.9	85	115				
Lead	0.09479	0.000104	0.1	0	94.8	85	115				

Sample ID 1608176-01AMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 8/3/2016	RunNo: 88958						
Client ID: Jackson ES Meter #	Batch ID: 36095	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 8/3/2016	SeqNo: 1337795						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	0.6043	0.000520	0.1	0.5077	96.7	70	130				
Lead	0.09788	0.000104	0.1	0.002527	95.4	70	130				

Sample ID 1608176-01AMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 8/3/2016	RunNo: 88958						
Client ID: Jackson ES Meter #	Batch ID: 36095	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 8/3/2016	SeqNo: 1337796						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	0.6070	0.000520	0.1	0.5077	99.4	70	130	0.6043	0.446	20	
Lead	0.09695	0.000104	0.1	0.002527	94.4	70	130	0.09788	0.961	20	

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



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.

RUSH

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information		Section D Rush Status (Subject to Scheduling)	
Company:	Medford Water Commission	Project Name:	Lead - Jackson Elem. School	Attention:	Finance	Standard 10-14 Days	
Address:	200 South Ivy Street, Room 177 Medford, OR 97501	Project Number:	Rosie	Company Name:	MWV	5 Business Days (50% surcharge)	
Email:	rosie.pindilli@cityofmedford.org	Report To:		Address:	200 South Ivy Street, Room 177 Medford, OR 97501	3 Business Days (75% surcharge)	
Phone:	541-774-2440 Fax:	Copy To:		P.O. #		<input checked="" type="checkbox"/> 24 - 48 hours (100% surcharge)	
Collected By (Print):	Rosie Pindilli					Other _____	
Collected By (Sign):	<i>Rosie Pindilli</i>					Authorized Yes No	
Email Report:	Yes No						
Fax Report:	Yes No						

Sample ID	Comp/Grab	Matrix*	Date Collected	Time Collected	No. of Containers	Analysis Requested		NRC Workorder # (Lab Use Only)	NRC Sample # (Lab Use Only)
						Lead	Copper		
Meter #1	Grab	DW	8/2/16	11:45 pm	1	x	x		
Meter #2	Grab	DW	8/2		1	x	x		
Meter #3	Grab	DW	8/2		1	x	x		
Meter #14	Grab	DW	8/2		1	x	x		
Meter #18	Grab	DW	8/2		1	x	x		
Meter #30	Grab	DW	8/2		1	x	x		
Meter #31	Grab	DW	8/2		1	x	x		
Meter #32	Grab	DW	8/2		1	x	x		

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

Section E Sample Information		Section F Relinquish/Receive		Section G Lab Use Only	
Meter #1	07842	Sign	<i>Rosie Pindilli</i>	Temp:	<i>7.5</i>
Meter #2	07230	Print	Rosie Pindilli	4°C +/- 2°C:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meter #3	07243	Date	8/3/16	Received on ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meter #14	07226	Time	0900	Number of Bottles Received:	8
Meter #18	07221			pH Checked:	<i>NA</i>
Meter #30	07239			COC Seals Intact:	Yes No <input checked="" type="checkbox"/> No
Meter #31	07246			Field Blank Included:	Yes No <input checked="" type="checkbox"/> No
Meter #32	07227			Received Via:	UPS FedEx Other <input checked="" type="checkbox"/> Hand

Payment:	<input checked="" type="checkbox"/> Invoice	Cash	<input type="checkbox"/>	VISA, M/C	<input type="checkbox"/>	Check #		Amount	
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