

Neilson Research Corporation

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

Analysis Report

ORELAP 100018
EPA OR00028

CLIENT: Box R Waterlab
Project: X022773 Heppner Elem Lead Study
Lab Order: 1606B39

Date: 06-Jul-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

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Analysis Report

ORELAP 100016
EPA OR00028

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: **1606B39**
NRC Sample ID: **1606B39-01A**
Collection Date: **6/22/2016 8:55:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/6/2016 3:08:36 PM**

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #1
Collectors Name: SKM
Sample Location: Office Sink
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.00248		0.000103	mg/L	0.020 AL	7/3/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

Neilson Research Corporation

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Analysis Report

ORELAP 100016
EPA OR00028

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-02A
Collection Date: 6/22/2016 8:56:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #2
Collectors Name: SKM
Sample Location: Kitchen Faucet/Sink
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.000305		0.000103	mg/L	0.020 AL	7/3/2016	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

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-03A
Collection Date: 6/22/2016 9:01:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #3
Collectors Name: SKM
Sample Location: New Add Rm 6/7 Upr H Wing
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.000131		0.000103	mg/L	0.020 AL	7/3/2016	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

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-04A
Collection Date: 6/22/2016 9:04:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #4
Collectors Name: SKM
Sample Location: Old Add DF by Boardroom DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP Accredited	Result	Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
Lead	EPA 200.8	A	0.00144		0.000103	mg/L	0.020 AL	7/3/2016	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

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-05A
Collection Date: 6/22/2016 8:56:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #5
Collectors Name: SKM
Sample Location: Old Add Hallway DF
Source: City Water

ANALYTICAL RESULTS

Analyses	NELAP			Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
	Method	Accredited	Result						
Lead	EPA 200.8	A	0.00161		0.000103	mg/L	0.020 AL	7/3/2016	OML

Notes: ND - Not Detected at the MRL

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Analysis Report

ORELAP 100016
EPA OR00028

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-06A
Collection Date: 6/22/2016 8:57:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #6
Collectors Name: SKM
Sample Location: Old Add by Classroom #3 Lwr
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.000502		0.000103	mg/L	0.020 AL	7/3/2016	OML

Notes: ND - Not Detected at the MRL

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Analysis Report

ORELAP 100016
EPA OR00028

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-07A
Collection Date: 6/22/2016 9:02:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #7
Collectors Name: SKM
Sample Location: Old Add Upper Hallway DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.00132		0.000103	mg/L	0.020 AL	7/3/2016	OML

Notes: ND - Not Detected at the MRL

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Analysis Report

ORELAP 100016
EPA OR00028

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-08A
Collection Date: 6/22/2016 9:03:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #8
Collectors Name: SKM
Sample Location: Upper Hallway Lower DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.000142		0.000103	mg/L	0.020 AL	7/3/2016	OML

Notes: ND - Not Detected at the MRL

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Analysis Report

ORELAP 100018
EPA OR00028

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-09A
Collection Date: 6/22/2016 9:21:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #9
Collectors Name: SKM
Sample Location: Upper Hallway Rm 15/16 DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP Accredited	Result	Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
Lead	EPA 200.8	A	0.000175		0.000103	mg/L	0.020 AL	7/3/2016	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

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-10A
Collection Date: 6/22/2016 9:20:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #10
Collectors Name: SKM
Sample Location: New Add Hallway DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.000155		0.000103	mg/L	0.020 AL	7/3/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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Analysis Report

ORELAP 100018
EPA OR00028

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-11A
Collection Date: 6/22/2016 9:10:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #11
Collectors Name: SKM
Sample Location: Gym Higher DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP Accredited	Result	Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
Lead	EPA 200.8	A	0.000172		0.000103	mg/L	0.020 AL	7/4/2016	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

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B39
NRC Sample ID: 1606B39-12A
Collection Date: 6/22/2016 9:10:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/6/2016 3:08:36 PM

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #12
Collectors Name: SKM
Sample Location: Gym Lower DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	ND		0.000103	mg/L	0.020 AL	7/4/2016	OML

Notes: ND - Not Detected at the MRL

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MRL - Minimum Reporting Limit

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Analysis Report

ORELAP 100018
EPA OR00028

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: **1606B39**
NRC Sample ID: **1606B39-13A**
Collection Date: **6/22/2016 9:20:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/6/2016 3:08:36 PM**

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #13
Collectors Name: SKM
Sample Location: Staff Rm Sink
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.00113		0.000103	mg/L	0.020 AL	7/4/2016	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

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: **1606B39**
NRC Sample ID: **1606B39-14A**
Collection Date: **6/22/2016 9:25:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/6/2016 3:08:36 PM**

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #14
Collectors Name: SKM
Sample Location: Cafeteria Lower DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.000177		0.000103	mg/L	0.020 AL	7/4/2016	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

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: **1606B39**
NRC Sample ID: **1606B39-15A**
Collection Date: **6/22/2016 9:25:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/6/2016 3:08:36 PM**

Sample Information:

X022773 Heppner Elem Lead Study

Client Sample ID: X022773 #15
Collectors Name: SKM
Sample Location: Cafeteria Higher DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.000261		0.000103	mg/L	0.020 AL	7/4/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

Neilson Research Corporation

Date: 06-Jul-16

CLIENT: Box R Waterlab
 Work Order: 1606B39
 Project: X022773 Heppner Elem Lead Study

ANALYTICAL QC SUMMARY REPORT

BatchID: 35606

Sample ID: MB-35606	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88186						
Client ID: ZZZZZ	Batch ID: 35606	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/3/2016	SeqNo: 1318704						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000103									

Sample ID: LCS-35606	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88186						
Client ID: ZZZZZ	Batch ID: 35606	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/3/2016	SeqNo: 1318705						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09038	0.000104	0.1	0	90.4	85	115				

Sample ID: 1606B39-10AMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88186						
Client ID: X022773 #10	Batch ID: 35606	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/3/2016	SeqNo: 1318728						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09296	0.000104	0.1	0.0001547	92.8	70	130				

Sample ID: 1606B39-10AMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88186						
Client ID: X022773 #10	Batch ID: 35606	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/3/2016	SeqNo: 1318729						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09220	0.000104	0.1	0.0001547	92.0	70	130	0.09296	0.820	20	

Qualifiers: E Value above quantization range
 ND Not Detected at the Minimum Reporting Limit

H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Neilson Research Corporation

Date: 06-Jul-16

CLIENT: Box R Waterlab
 Work Order: 1606B39
 Project: X022773 Heppner Elem Lead Study

ANALYTICAL QC SUMMARY REPORT

BatchID: 35607

Sample ID: MB-35607	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88212						
Client ID: ZZZZZ	Batch ID: 35607	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/4/2016	SeqNo: 1319378						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000103									

Sample ID: LCS-35607	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88212						
Client ID: ZZZZZ	Batch ID: 35607	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/4/2016	SeqNo: 1319379						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09878	0.000104	0.1	0	98.8	85	115				

Sample ID: 1606B41-11AMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88212						
Client ID: ZZZZZ	Batch ID: 35607	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/4/2016	SeqNo: 1319402						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09891	0.000104	0.1	0.0003208	98.6	70	130				

Sample ID: 1606B41-11AMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88212						
Client ID: ZZZZZ	Batch ID: 35607	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/4/2016	SeqNo: 1319403						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09809	0.000104	0.1	0.0003208	97.8	70	130	0.09891	0.834	20	

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