

Neilson Research Corporation

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

Analysis Report

ORELAP 100016
EPA OR00028

CLIENT: Box R Waterlab

Date: 24-Apr-18

Project: X032112-14 Grant County School Dist #3

CASE NARRATIVE

Lab Order: 1804630

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.

The EPA recommended action level for lead in schools is 0.020 mg/L.

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Analysis Report

ORELAP 100016
EPA OR00028

Box R Waterlab

567 NW Second Street
Prineville, OR 97754

Lab Order: **1804630**

Received Date: **4/17/2018 9:30:00 AM**

Reported Date: **4/24/2018 10:10:28 AM**

Sample Information: X032112-14 Grant County School Dist #3

Lab ID: 1804630-01

Collection Date: 4/12/2018 7:10:00 AM
Matrix: DRINKING WATER

Client Sample ID: X032112-01
Source: City Water
Sample Location: Sophomore Hall

Trace Metals by EPA 200.8 ICP-MS				Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Factor	Date Analyzed	Accredited
Copper	0.0236		0.0005	1	4/18/2018	A
Lead	ND		0.0001	1	4/18/2018	A

Lab ID: 1804630-02

Collection Date: 4/12/2018 6:41:00 AM
Matrix: DRINKING WATER

Client Sample ID: X032112-02
Source: City Water
Sample Location: Grant ESD

Trace Metals by EPA 200.8 ICP-MS				Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Factor	Date Analyzed	Accredited
Copper	0.0110		0.0005	1	4/18/2018	A
Lead	0.000402		0.0001	1	4/18/2018	A

Lab ID: 1804630-03

Collection Date: 4/12/2018 7:33:00 AM
Matrix: DRINKING WATER

Client Sample ID: X032112-03
Source: City Water
Sample Location: Cafeteria Grant Union

Trace Metals by EPA 200.8 ICP-MS				Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Factor	Date Analyzed	Accredited
Copper	0.0200		0.0005	1	4/18/2018	A
Lead	0.00109		0.0001	1	4/18/2018	A

Lab ID: 1804630-04

Collection Date: 4/12/2018 7:36:00 AM
Matrix: DRINKING WATER

Client Sample ID: X032112-04
Source: City Water
Sample Location: Gym Hall Grant Union

Trace Metals by EPA 200.8 ICP-MS				Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Factor	Date Analyzed	Accredited
Copper	0.0478		0.0005	1	4/18/2018	A
Lead	ND		0.0001	1	4/18/2018	A

Lab ID: 1804630-05

Collection Date: 4/12/2018 7:26:00 AM
Matrix: DRINKING WATER

Client Sample ID: X032112-05
Source: City Water
Sample Location: 5/6 Quad Humbolt

Trace Metals by EPA 200.8 ICP-MS				Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Factor	Date Analyzed	Accredited
Copper	0.0136		0.0005	1	4/18/2018	A
Lead	0.00293		0.0001	1	4/18/2018	A

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
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
S Spike Recovery outside accepted recovery limits	

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Analysis Report

ORELAP 100016
EPA OR00028

Box R Waterlab

567 NW Second Street

Prineville, OR 97754

Lab Order: **1804630**

Received Date: **4/17/2018 9:30:00 AM**

Reported Date: **4/24/2018 10:10:29 AM**

Sample Information: X032112-14 Grant County School Dist #3

Lab ID: 1804630-06

Collection Date: 4/12/2018 7:05:00 AM

Matrix: DRINKING WATER

Client Sample ID: X032113-01

Source: City Water

Sample Location: Humbolt Office Hallway

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Copper	0.0470		0.0005	mg/L	1	4/18/2018	A
Lead	0.00131		0.0001	mg/L	1	4/18/2018	A

Lab ID: 1804630-07

Collection Date: 4/12/2018 7:15:00 AM

Matrix: DRINKING WATER

Client Sample ID: X032113-02

Source: City Water

Sample Location: Humbolt Gym Hall

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Copper	0.214		0.0005	mg/L	1	4/18/2018	A
Lead	0.000337		0.0001	mg/L	1	4/18/2018	A

Lab ID: 1804630-08

Collection Date: 4/12/2018 7:20:00 AM

Matrix: DRINKING WATER

Client Sample ID: X032113-03

Source: City Water

Sample Location: Humbolt Kid Hall

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Copper	0.0676		0.0005	mg/L	1	4/18/2018	A
Lead	0.00152		0.0001	mg/L	1	4/18/2018	A

Lab ID: 1804630-09

Collection Date: 4/12/2018 5:50:00 AM

Matrix: DRINKING WATER

Client Sample ID: X032114-01

Source: City Water

Sample Location: Seneca School

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Copper	0.0747		0.0005	mg/L	1	4/18/2018	A
Lead	0.00165		0.0001	mg/L	1	4/18/2018	A

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Minimum Reporting Limit

Neilson Research Corporation

Date: 24-Apr-18

CLIENT: Box R Waterlab
Work Order: 1804630
Project: X032112-14 Grant County School Dist #3

ANALYTICAL QC SUMMARY REPORT
TestCode: ICPMS_200.8_SCHOOL

Sample ID: MB-40920	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 4/18/2018	RunNo: 102912						
Client ID: ZZZZZ	Batch ID: 40920	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 4/18/2018	SeqNo: 1555820						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.000500									
Lead	ND	0.000100									

Sample ID: LCS-40920	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 4/18/2018	RunNo: 102912						
Client ID: ZZZZZ	Batch ID: 40920	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 4/18/2018	SeqNo: 1555821						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.09877	0.000500	0.1	0	98.8	85	115				
Lead	0.09577	0.000100	0.1	0	95.8	85	115				

Sample ID: 1804638-01AMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 4/18/2018	RunNo: 102912						
Client ID: ZZZZZ	Batch ID: 40920	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 4/18/2018	SeqNo: 1554184						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.09338	0.000500	0.1	0.000218	93.2	70	130				
Lead	0.09526	0.000100	0.1	0.000029	95.2	70	130				

Sample ID: 1804638-01AMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 4/18/2018	RunNo: 102912						
Client ID: ZZZZZ	Batch ID: 40920	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 4/18/2018	SeqNo: 1554185						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.09452	0.000500	0.1	0.000218	94.3	70	130	0.09338	1.21	20	
Lead	0.09758	0.000100	0.1	0.000029	97.5	70	130	0.09526	2.40	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