

Neilson Research Corporation

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

Analysis Report

ORELAP 100016
EPA OR0028

CLIENT: Box R Waterlab
Project: X022783 Riverside HS Lead Study
Lab Order: 1606B13

Date: 11-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

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

Analysis Report

ORELAP 100016
EPA OR00028

Box R Waterlab
567 NW Second Street
Prineville, OR 97754

Lab Order: 1606B13
NRC Sample ID: 1606B13-01A
Collection Date: 6/23/2016 11:28:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/11/2016 8:03:20 AM

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #1
Collectors Name: SKM
Sample Location: Main Office Sink
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP Accredited	Result	Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
Lead	EPA 200.8	A	0.00110		0.000103	mg/L	0.020 AL	7/3/2016	OML

Notes: ND - Not Detected at the MRI.

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: **1606B13**
NRC Sample ID: **1606B13-02A**
Collection Date: **6/23/2016 11:29:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #2
Collectors Name: SKM
Sample Location: Weight Room DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.000162		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: **1606B13**
NRC Sample ID: **1606B13-03A**
Collection Date: **6/23/2016 11:31:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #3
Collectors Name: SKM
Sample Location: Kitchen Wash Sink
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.0180	CF	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: 1606B13
NRC Sample ID: 1606B13-04A
Collection Date: 6/23/2016 11:55:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/11/2016 8:03:20 AM

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #4
Collectors Name: SKM
Sample Location: Tech/Shop Building DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.00439		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: **1606B13**
NRC Sample ID: **1606B13-05A**
Collection Date: **6/23/2016 11:59:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #5
Collectors Name: SKM
Sample Location: Staff Lounge Sink
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.00582		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: **1606B13**
NRC Sample ID: **1606B13-06A**
Collection Date: **6/23/2016 11:31:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #6
Collectors Name: SKM
Sample Location: Gym Hallway 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	0.000181		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: **1606B13**
NRC Sample ID: **1606B13-07A**
Collection Date: **6/23/2016 11:32:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #7
Collectors Name: SKM
Sample Location: Gym 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	0.000276		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: **1606B13**
NRC Sample ID: **1606B13-08A**
Collection Date: **6/23/2016 11:30:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #8
Collectors Name: SKM
Sample Location: Old Commons DF
Source: City Water

ANALYTICAL RESULTS

Analyses	NELAP			Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
	Method	Accredited	Result						
Lead	EPA 200.8	A	0.00380		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: **1606B13**
NRC Sample ID: **1606B13-09A**
Collection Date: **6/23/2016 11:35:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #9
Collectors Name: SKM
Sample Location: Multi Purpose 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	0.000260		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: **1606B13**
NRC Sample ID: **1606B13-10A**
Collection Date: **6/23/2016 11:25:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #10
Collectors Name: SKM
Sample Location: New Commons S 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	7/3/2016	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: **1606B13**
NRC Sample ID: **1606B13-11A**
Collection Date: **6/23/2016 12:00:00 PM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #11
Collectors Name: SKM
Sample Location: EZ Water Fill Stn
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.0133		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: 1606B13
NRC Sample ID: 1606B13-12A
Collection Date: 6/23/2016 11:42:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/11/2016 8:03:20 AM

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #12
Collectors Name: SKM
Sample Location: Multi Purpose 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	0.000238		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: 1606B13
NRC Sample ID: 1606B13-13A
Collection Date: 6/23/2016 11:29:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/11/2016 8:03:20 AM

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #13
Collectors Name: SKM
Sample Location: Room 203 DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.00455		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: **1606B13**
NRC Sample ID: **1606B13-14A**
Collection Date: **6/23/2016 11:27:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #14
Collectors Name: SKM
Sample Location: New Commons N DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.000157		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: 1606B13
NRC Sample ID: 1606B13-15A
Collection Date: 6/23/2016 11:26:00 AM
Received Date: 6/27/2016 12:30:00 PM
Reported Date: 7/11/2016 8:03:20 AM

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #15
Collectors Name: SKM
Sample Location: New Commons Mid DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP Accredited	Result	Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
Lead	EPA 200.8	A	0.000193		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: **1606B13**
NRC Sample ID: **1606B13-16A**
Collection Date: **6/23/2016 11:59:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #16
Collectors Name: SKM
Sample Location: 300 Hall N DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.0165	CF	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: **1606B13**
NRC Sample ID: **1606B13-17A**
Collection Date: **6/23/2016 11:51:00 AM**
Received Date: **6/27/2016 12:30:00 PM**
Reported Date: **7/11/2016 8:03:20 AM**

Sample Information:

X022783 Riverside HS Lead Study

Client Sample ID: X022783 #17
Collectors Name: SKM
Sample Location: Room 114 DF
Source: City Water

ANALYTICAL RESULTS

Analyses	Method	NELAP		Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
		Accredited	Result						
Lead	EPA 200.8	A	0.00987		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
DATA FLAGS

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.
MI	Surrogate or Matrix Spike recovery is out of control limits due to matrix interference. Sample results may be biased.
N	See Case Narrative on page 2 of report.
Q	Closing 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 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.
T	Toxicity Characteristic Leaching Procedure – Sample submitted contained < 0.5% solids. If the waste contains <0.5% dry solids, the liquid portion of the waste, after filtration, is defined as the TCLP extract.
#	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.

NRC SOP QA-1104/AD-3100
Revision 3
Effective Date: 6/3/16

Neilson Research Corporation

Date: 11-Jul-16

CLIENT: Box R Waterlab
 Work Order: 1606B13
 Project: X022783 Riverside HS Lead Study

ANALYTICAL QC SUMMARY REPORT

BatchID: 35605

Sample ID	MB-35605	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88186					
Client ID:	ZZZZZ	Batch ID: 35605	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/3/2016	SeqNo: 1318674					
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000103									

Sample ID	LCS-35605	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88186					
Client ID:	ZZZZZ	Batch ID: 35605	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/3/2016	SeqNo: 1318675					
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09374	0.000104	0.1	0	93.7	85	115				

Sample ID	1606B13-16AMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88186					
Client ID:	X022783 #16	Batch ID: 35605	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/3/2016	SeqNo: 1318698					
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.1101	0.000104	0.1	0.01646	93.7	70	130				

Sample ID	1606B13-16AMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/28/2016	RunNo: 88186					
Client ID:	X022783 #16	Batch ID: 35605	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/3/2016	SeqNo: 1318699					
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.1094	0.000104	0.1	0.01646	92.9	70	130	0.1101	0.663	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
 Page 1 of 4

Neilson Research Corporation

Date: 11-Jul-16

CLIENT: Box R Waterlab
 Work Order: 1606B13
 Project: X022783 Riverside HS 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	0.000104	0.1	0	90.4	85	115				

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:	ZZZZZ	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:	ZZZZZ	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 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
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Neilson Research Corporation

Date: 11-Jul-16

CLIENT: Box R Waterlab
Work Order: 1606B13
Project: X022783 Riverside HS Lead Study

ANALYTICAL QC SUMMARY REPORT

BatchID: 35695

Sample ID	MB-35695	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 7/5/2016	RunNo: 88282					
Client ID:	ZZZZZ	Batch ID: 35695	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/7/2016	SeqNo: 1321013					
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000103									

Sample ID	LCS-35695	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 7/5/2016	RunNo: 88282					
Client ID:	ZZZZZ	Batch ID: 35695	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/7/2016	SeqNo: 1321014					
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09643	0.000104	0.1	0	96.4	85	115				

Sample ID	1607015-26AMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 7/5/2016	RunNo: 88282					
Client ID:	ZZZZZ	Batch ID: 35695	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/7/2016	SeqNo: 1321019					
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09294	0.000104	0.1	0.001642	91.3	70	130				

Sample ID	1607015-26AMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 7/5/2016	RunNo: 88282					
Client ID:	ZZZZZ	Batch ID: 35695	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/7/2016	SeqNo: 1321020					
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09388	0.000104	0.1	0.001642	92.2	70	130	0.09294	1.00	20	

Sample ID	MB-35695	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 7/5/2016	RunNo: 88287					
Client ID:	ZZZZZ	Batch ID: 35695	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 7/7/2016	SeqNo: 1321060					
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000103									

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

Neilson Research Corporation

Date: 11-Jul-16

CLIENT: Box R Waterlab
 Work Order: 1606B13

Project: X022783 Riverside HS Lead Study

ANALYTICAL QC SUMMARY REPORT

BatchID: 35695

Sample ID	LCS-35695	SampType:	LCS	TestCode:	ICPMS_200.8	Units:	mg/L	Prep Date:	7/5/2016	RunNo:	88287		
Client ID:	ZZZZZ	Batch ID:	35695	TestNo:	EPA 200.8	(EPA 200.8)		Analysis Date:	7/7/2016	SeqNo:	1321061		
Analyte		Result		MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		0.09643		0.000104	0.1	0	96.4	85	115				

Sample ID	1607015-26AMS	SampType:	MS	TestCode:	ICPMS_200.8	Units:	mg/L	Prep Date:	7/5/2016	RunNo:	88287		
Client ID:	ZZZZZ	Batch ID:	35695	TestNo:	EPA 200.8	(EPA 200.8)		Analysis Date:	7/7/2016	SeqNo:	1321080		
Analyte		Result		MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		0.09294		0.000104	0.1	0.001642	91.3	70	130				

Sample ID	1607015-26AMSD	SampType:	MSD	TestCode:	ICPMS_200.8	Units:	mg/L	Prep Date:	7/5/2016	RunNo:	88287		
Client ID:	ZZZZZ	Batch ID:	35695	TestNo:	EPA 200.8	(EPA 200.8)		Analysis Date:	7/7/2016	SeqNo:	1321081		
Analyte		Result		MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		0.09388		0.000104	0.1	0.001642	92.2	70	130	0.09294	1.00		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