



NEILSON RESEARCH CORPORATION

Environmental Testing Laboratory

2/20/2019

Ron Havniear
Medford School District
815 S Oakdale Ave
Medford, OR 97501

TEL: 541-842-3646

FAX: 541-842-1160

RE: 18-52 Ruch 2019 Lead Testing

Order No.: 1902455

Dear Ron Havniear:

Neilson Research Corporation received 32 sample(s) on 2/14/2019 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 R. Schmedemann
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 School District
Project: 18-52 Ruch 2019 Lead Testing
Lab Order: 1902455

Date: 20-Feb-19

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.

The EPA recommended action level for lead in schools is 0.015 mg/L.

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Analysis Report

ORELAP 100016
EPA OR00028

Medford School District

815 S Oakdale Ave

Medford, OR 97501

Lab Order: **1902455**

Received Date: **2/14/2019 8:30:00 AM**

Reported Date: **2/20/2019 11:45:27 AM**

Sample Information: 18-52 Ruch 2019 Lead Testing

Lab ID: 1902455-01

Collection Date: 2/14/2019 6:07:00 AM

Matrix: DRINKING WATER

Client Sample ID: Health Room RR-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00292		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-02

Collection Date: 2/14/2019 6:04:00 AM

Matrix: DRINKING WATER

Client Sample ID: Staff RR Outside Main Off-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.000733		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-03

Collection Date: 2/14/2019 6:09:00 AM

Matrix: DRINKING WATER

Client Sample ID: Boy's RR Adj Main Off-Sink (L)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00604		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-04

Collection Date: 2/14/2019 6:10:00 AM

Matrix: DRINKING WATER

Client Sample ID: Boy's RR Adj Main Off-Sink (R)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00202		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-05

Collection Date: 2/14/2019 6:11:00 AM

Matrix: DRINKING WATER

Client Sample ID: Boy's RR Adj Main Off-Sink (C)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00189		0.0001	mg/L	1	2/18/2019	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

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Analysis Report

ORELAP 100016
EPA OR00028

Medford School District

815 S Oakdale Ave

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Lab Order: **1902455**

Received Date: **2/14/2019 8:30:00 AM**

Reported Date: **2/20/2019 11:45:27 AM**

Sample Information: 18-52 Ruch 2019 Lead Testing

Lab ID: 1902455-06

Collection Date: 2/14/2019 6:13:00 AM

Matrix: DRINKING WATER

Client Sample ID: Girl's RR Adj Main Off-Sink (L)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00641		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-07

Collection Date: 2/14/2019 6:14:00 AM

Matrix: DRINKING WATER

Client Sample ID: Girl's RR Adj Main Off-Sink (R)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00469		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-08

Collection Date: 2/14/2019 6:15:00 AM

Matrix: DRINKING WATER

Client Sample ID: Girl's RR Adj Main Off-Sink (C)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00111		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-09

Collection Date: 2/14/2019 6:17:00 AM

Matrix: DRINKING WATER

Client Sample ID: Media Center Work Room-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00413		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-10

Collection Date: 2/14/2019 6:19:00 AM

Matrix: DRINKING WATER

Client Sample ID: Computer Room-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00130		0.0001	mg/L	1	2/18/2019	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

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Analysis Report

ORELAP 100016
EPA OR00028

Medford School District

815 S Oakdale Ave

Medford, OR 97501

Lab Order: **1902455**

Received Date: **2/14/2019 8:30:00 AM**

Reported Date: **2/20/2019 11:45:27 AM**

Sample Information: 18-52 Ruch 2019 Lead Testing

Lab ID: 1902455-11

Collection Date: 2/14/2019 6:21:00 AM

Matrix: DRINKING WATER

Client Sample ID: Gym-Boy's Lckr Rm R of Stg-(L)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0205	*	0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-12

Collection Date: 2/14/2019 6:22:00 AM

Matrix: DRINKING WATER

Client Sample ID: Gym-Boy's Lckr Rm R of Stg-(R)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0102		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-13

Collection Date: 2/14/2019 6:24:00 AM

Matrix: DRINKING WATER

Client Sample ID: Gym-Girl's Lckr Rm L of Stg-(L)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00644		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-14

Collection Date: 2/14/2019 6:25:00 AM

Matrix: DRINKING WATER

Client Sample ID: Gym-Girl's Lckr Rm L of Stg-(R)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0128		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-15

Collection Date: 2/14/2019 6:28:00 AM

Matrix: DRINKING WATER

Client Sample ID: Kitchen-Sink Pre-Rinse/Dwisher

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00220		0.0001	mg/L	1	2/18/2019	A

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- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
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Analysis Report

ORELAP 100016
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Lab Order: **1902455**

Received Date: **2/14/2019 8:30:00 AM**

Reported Date: **2/20/2019 11:45:27 AM**

Sample Information: 18-52 Ruch 2019 Lead Testing

Lab ID: 1902455-16

Collection Date: 2/14/2019 6:29:00 AM

Matrix: DRINKING WATER

Client Sample ID: Kitchen-Sink (Handwash)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.0179	*	0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-17

Collection Date: 2/14/2019 6:31:00 AM

Matrix: DRINKING WATER

Client Sample ID: Kitchen Unisex RR-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.0152	*	0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-18

Collection Date: 2/14/2019 6:03:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 2-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.0218	*	0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-19

Collection Date: 2/14/2019 6:06:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 3-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.0210	*	0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-20

Collection Date: 2/14/2019 6:08:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 4-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.00893		0.0001	mg/L	1	2/18/2019	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

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Analysis Report

ORELAP 100016
EPA OR00028

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Lab Order: **1902455**

Received Date: **2/14/2019 8:30:00 AM**

Reported Date: **2/20/2019 11:45:27 AM**

Sample Information: 18-52 Ruch 2019 Lead Testing

Lab ID: 1902455-21

Collection Date: 2/14/2019 6:11:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 6-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.0234	*	0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-22

Collection Date: 2/14/2019 6:13:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 7-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.0136		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-23

Collection Date: 2/14/2019 6:16:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 8-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.00705		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-24

Collection Date: 2/14/2019 6:18:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 9-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.0128		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-25

Collection Date: 2/14/2019 6:21:00 AM

Matrix: DRINKING WATER

Client Sample ID: Boy's RR Outside Room 9-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.0137		0.0001	mg/L	1	2/18/2019	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

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Analysis Report

ORELAP 100016
EPA OR00028

Medford School District

815 S Oakdale Ave

Medford, OR 97501

Lab Order: **1902455**

Received Date: **2/14/2019 8:30:00 AM**

Reported Date: **2/20/2019 11:45:27 AM**

Sample Information: 18-52 Ruch 2019 Lead Testing

Lab ID: 1902455-26

Collection Date: 2/14/2019 6:23:00 AM

Matrix: DRINKING WATER

Client Sample ID: Girl's RR Outside Room 9-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00411		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-27

Collection Date: 2/14/2019 6:26:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 10-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0145		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-28

Collection Date: 2/14/2019 6:28:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 11-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00318		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-29

Collection Date: 2/14/2019 6:30:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 12-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00488		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-30

Collection Date: 2/14/2019 6:32:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 13-Sink

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00665		0.0001	mg/L	1	2/18/2019	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

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Analysis Report

ORELAP 100016
EPA OR00028

Medford School District

815 S Oakdale Ave

Medford, OR 97501

Lab Order: **1902455**

Received Date: **2/14/2019 8:30:00 AM**

Reported Date: **2/20/2019 11:45:27 AM**

Sample Information: 18-52 Ruch 2019 Lead Testing

Lab ID: 1902455-31

Collection Date: 2/14/2019 6:37:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 14-Sink (N Side)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.0107		0.0001	mg/L	1	2/18/2019	A

Lab ID: 1902455-32

Collection Date: 2/14/2019 6:38:00 AM

Matrix: DRINKING WATER

Client Sample ID: Room 14-Sink (S Side)

Source

Sample Location:

Trace Metals by EPA 200.8 ICP-MS						Analyst: JWC	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.00545		0.0001	mg/L	1	2/18/2019	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
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.
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.
R2	The relative percent difference (RPD) for solids is out of control limits due to the results being less than 10 times 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.

NRC SOP QA-1104/AD-3100/AD-5100
Revision 6
Effective Date: 12/10/18

CLIENT: Medford School District
Work Order: 1902455
Project: 18-52 Ruch 2019 Lead Testing

ANALYTICAL QC SUMMARY REPORT**TestCode: ICPMS_200.8_SCHOOL**

Sample ID: MB-43743	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 2/15/2019	RunNo: 110184						
Client ID: ZZZZZ	Batch ID: 43743	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 2/18/2019	SeqNo: 1684637						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000100									

Sample ID: MB-43744	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 2/15/2019	RunNo: 110184						
Client ID: ZZZZZ	Batch ID: 43744	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 2/18/2019	SeqNo: 1684665						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.000100									

Sample ID: LCS-43743	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 2/15/2019	RunNo: 110184						
Client ID: ZZZZZ	Batch ID: 43743	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 2/18/2019	SeqNo: 1684638						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09980	0.000100	0.1	0	99.8	85	115				

Sample ID: LCS-43744	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 2/15/2019	RunNo: 110184						
Client ID: ZZZZZ	Batch ID: 43744	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 2/18/2019	SeqNo: 1684666						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09983	0.000100	0.1	0	99.8	85	115				

Sample ID: 1902455-20AMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 2/15/2019	RunNo: 110184						
Client ID: Room 4-Sink	Batch ID: 43743	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 2/18/2019	SeqNo: 1684661						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.1040	0.000100	0.1	0.008933	95.1	70	130				

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

CLIENT: Medford School District
Work Order: 1902455
Project: 18-52 Ruch 2019 Lead Testing

ANALYTICAL QC SUMMARY REPORT

TestCode: ICPMS_200.8_SCHOOL

Sample ID: 1902519-01BMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 2/15/2019	RunNo: 110184						
Client ID: ZZZZZ	Batch ID: 43744	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 2/18/2019	SeqNo: 1684682						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09819	0.000100	0.1	0.000875	97.3	70	130				

Sample ID: 1902455-20AMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 2/15/2019	RunNo: 110184						
Client ID: Room 4-Sink	Batch ID: 43743	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 2/18/2019	SeqNo: 1684662						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.1057	0.000100	0.1	0.008933	96.8	70	130	0.104	1.61	20	

Sample ID: 1902519-01BMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 2/15/2019	RunNo: 110184						
Client ID: ZZZZZ	Batch ID: 43744	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 2/18/2019	SeqNo: 1684683						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.09873	0.000100	0.1	0.000875	97.9	70	130	0.09819	0.548	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



Chain of Custody Record

This Chain of Custody is a LEGAL DOCUMENT and must be filled out accurately.

Environmental Testing Laboratory
45 South Grape Street * Medford, OR 97501
(541) 770-5678 fax (541) 770-2901

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:	2019 Lead Testing	Attention:	Accounting	Standard 10-14 Days	
Address:	815 South Oakdale Avenue	Project Number:	18-52 Ruch	Company Name:	Medford School District	5 Business Days (50% surcharge)	
	Medford, OR 97501	Report To	ron.havninear@medford.k12.or.us	Address:	815 South Oakdale Avenue	3 Business Days (75% surcharge)	
Email:	ron.havninear@medford.k12.or.us	Copy To	andy.chasteen@medford.k12.or.us		Medford, OR 97501	24 - 48 hours (100% surcharge)	
Phone:	541-840-4315			P.O. #	61172	Other	
Collected By (Print):						Authorized Yes No	

[illegible]

Section F

Relinquish/Receive

Relinquished By:	Signature: <i>[Signature]</i>	Print: Andy Chasteen	Date: 2/14/19	Time: 8:05
Received By:	Signature: <i>[Signature]</i>	Print: Mike Medel	Date: 2/14/19	Time: 8:05
Relinquished By:	Signature: <i>[Signature]</i>	Print: Mike Medel	Date: 2/14/19	Time: 8:30
Received By:	Signature: <i>[Signature]</i>	Print: Tamara Schmalenberry	Date: 2/14/19	Time: 8:30
Relinquished By:	Signature: <i>[Signature]</i>	Print: Tamara Schmalenberry	Date: 2/14/19	Time: 8:30
Received By:	Signature: <i>[Signature]</i>	Print: Tamara Schmalenberry	Date: 2/14/19	Time: 8:30

NEILSON RESEARCH CORPORATION (NRC) STANDARD TERMS AND CONDITIONS

less otherwise agreed in a formal contract, services provided by NRC are expressly limited to the terms and conditions stated herein.

Confidentiality: Strict confidentiality is maintained in all of our dealing with clients. Confidentiality agreements, therefore, are signed willingly. In any instance where information is subpoenaed and must be released to a regulatory or legal body, the client is promptly notified. Likewise, the client agrees to respect all relationships of trust. Client agrees not to use NRC's name and/or data in any manner which might use harm to the company's reputation and/or business.

Payment Terms: Payment in advance is required for all clients except those whose credit has been established with our company. For clients with NRC-approved credit, payment terms are net balance due 30 days from the date of invoice, after which time a 1% per month late charge is added to all unpaid balances. NRC has the right to ask for payment in advance if the established payment terms are not adhered to. In the event of default in payment for services rendered, the client is responsible for reasonable collection charges including any court costs and attorney's fees incurred by NRC.

Relinquish: All fees are charged or billed directly to the client. The billing of a third party is not accepted without a signed statement in which the third party acknowledges and accepts payment responsibility. (Note: NRC is responsible for re-collecting samples whose holding times have been exceeded due to late or unauthorized requests for third-party billing). It is necessary for us to assume that the paperwork submitted in a sample describes the testing protocol desired. Any changes to this protocol must be submitted to NRC in writing. However, if changes are made after the originally requested testing is initiated or has been completed, the client must accept payment responsibility. We cannot be responsible for holding times that are exceeded due to such changes. Please send all requests for changes marked: "Client Service—URGENT!" if fax number is (541) 770-2901.

Discounts: Economy-of-scale discounts are available and are determined by the number of samples and nature and spectrum of the requested analyses. For established clients, discount rates are reevaluated annually, and a new rate is applied to future invoices based upon the previous year's volume of work, type of analyses, ease of scheduling, and work continuity. For clients with intermittent analytical needs, discounts may be extended based upon the quantity of work submitted at one time (\$1000-\$4900 = 5/10 net 30, 1000+ = 10/10 net 30). All discounts are contingent upon meeting payment terms. NRC reserves the right to postpone on late payments. No discounts apply to services provided by hourly rate, supplies, equipment and subcontractors, etc.

Analyses: A surcharge is added to the list fee if rapid turnaround time (TAT) is requested. The charge for rush TAT will be List x 1.5 for 5-day TAT, List x 1.75 for 3-day TAT, List x 2 for 1-2 business days, and List x 3 for weekends and holidays. Standard TAT is 10 working days. Rush analysis service is contingent upon laboratory workload and must be prearranged with NRC. However, any sample delivered at 3:00 p.m. will not be entered in to our rush analyses handling system until the next business day.

Hazardous Materials/Substances/Wastes: Unused portions of samples found or suspected to be hazardous according to state or federal guidelines shall be picked up by the client upon completion of the analytical work. A cost of returning the sample or for disposal shall be invoiced to the client. The sample and portions thereof remain the property of the client at all times. (Note: For the protection of laboratory personnel, samples which might present health hazards, such as those containing high levels of toxic materials, must be early marked and identified.)

Reports: NRC prohibits use of its name in connection with any unauthorized conclusions based on its reports without its prior written consent.

Special Reports: Additional charges may be necessary for customized reports which differ significantly from

Warranty and Limits of Liability: In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied. We disclaim any other warranties, expressed or implied, including a Warranty of Fitness for Particular Purpose and Warranty of Merchantability. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by the company which includes any condition that varies from this Standard Terms and Conditions, and NRC hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Retention of Samples: After the analytical results have been reported to the address indicated on the reverse of this form, samples are routinely retained in our storage facilities according to the following schedule. Hazardous samples will be picked up by the client or returned to the client immediately after analysis. Prior arrangements must be made if samples are to be held for periods longer than those indicated. NRC may charge a monthly fee for long-term storage. Unrefrigerated long-term storage is available at \$10.00 per sample per month.

Sample type
Hazardous None
All other samples
(Note: Water tested for Total Coliforms is discarded immediately after the analysis)

Retention of Reports: After analytical results have been reported to the client, NRC shall retain copies of such analytical reports for a minimum of five years. If a client requests additional copies of such analytical reports during the retention period, an additional charge will apply for the preparation and printing of such reports.

Sample Containers/Sample Collection: We will provide and ship the appropriate sample containers to our clients to return to NRC for analysis, at no charge, via non-priority shipping status. Clients requesting overnight or rush delivery of sample containers will be invoiced for the associated charges. NRC personnel are available for the on-site collection of samples and can explain sample collection procedures and techniques to clients. It is the responsibility of the client to ensure proper sampling and to bear the cost of delivering samples to the laboratory under the proper storage/preservation conditions. We cannot be held responsible for sample integrity unless the sampling has been performed by a member of our staff.

Analytical Service Orders: Requests for analytical services may be made by telephone, fax, or in writing. The client must confirm all requests for services in writing. We cannot be responsible for holding times that are exceeded for samples delivered on weekends or after 5:00 p.m. on weekdays if delivery is made without prior notification and approval. NRC reserves the right to refuse to proceed with an analytical request if the client fails to provide acceptable written analytical request or to establish a customer credit agreement.

Prior to submission of environmental samples, the client should develop an appropriate QA/QC plan. This plan should identify, among other items the intent of the project, sample collection and preservation requirements, types of QC samples that are required (e.g. matrix spikes, matrix spike duplicates, field blanks, transfer blanks), laboratory analyses/methods to be performed, minimum data reporting requirements and required sample TAT. This plan should be submitted to NRC prior to sample submission. Unless such a plan is submitted, NRC shall not be responsible for project-specific QA/QC requirements. NRC personnel can assist in the preparation of project QA/QC plans.

Additional QC samples which might be requested, and which we consider "project-specific," are billed at the applicable unit price for the test(s). Such additional charges will apply to project-specific QA/QC samples for batches with fewer than ten samples, and to field/transfer QA/QC samples. Samples with multiple phases (e.g. water/oil) will have each phase processed, analyzed, and billed as a distinct entity unless instructions accompanying the sample specify otherwise.



Chain of Custody Record

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Environmental Testing Laboratory
245 South Grape Street * Medford, OR 97501
(541) 770-5678 fax (541) 770-2901

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:	2019 Lead Testing	Attention:	Accounting	Standard 10-14 Days	
Address:	815 South Oakdale Avenue Medford, OR 97501	Project Number:	18-52 Ruch	Company Name:	Medford School District	5 Business Days (50% surcharge)	
Email:	ron.havnear@medford.k12.or.us	Report To	ron.havnear@medford.k12.or.us	Address:	815 South Oakdale Avenue Medford, OR 97501	3 Business Days (75% surcharge)	
Phone:	541-840-4315	Copy To	andy.chasteen@medford.k12.or.us	P.O. #	61172	24 - 48 hours (100% surcharge)	
Collected By (Print):						Other	
Collected By (Signature):						Authorized Yes No	

[illegible]

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

Section F

Relinquish/Receive

Sign

Print

Relinquished By:	<i>Fernando Schmedeman</i>	<i>Mike Medel</i>	Date	2/14/19	Time	8:30
Received By:						
Relinquished By:						
Received By:						
Relinquished By:						
Received By Laboratory:						

Section G

Lab Use Only

Temp:	4°C +/- 2°C: Yes No
Received on Ice:	Yes No
Number of Bottles Received:	
pH Checked:	
COC Seals Intact:	Yes No NA
Field Blank Included:	Yes No
Received Via	UPS VISA, M/C Check # Amount
Payment:	Invoice Cash FedEX Other

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Discounts: Economy-of-scale discounts are available and are determined by the number of samples and a nature and spectrum of the requested analyses. For established clients, discount rates are reevaluated annually, and a new rate is applied to future invoices based upon the previous year's volume of work, type of analyses, ease of scheduling, and work continuity. For clients with intermittent analytical needs, discounts may be extended based upon the quantity of work submitted at one time (\$1000-\$4900 = 5/10 net 30; \$5000+ = 10/10 net 30). All discounts are contingent upon meeting payment terms. NRC reserves the right to apply discounts on late payments. No discounts apply to services provided by hourly rate, supplies, equipment, subcontractors, etc.

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Sample type
Hazardous None
All other samples
Retention Time
(Client deliver and pick up)
1 month
(Note: Water tested for Total Coliforms is discarded immediately after the analysis)

Retention of Reports: After analytical results have been reported to the client, NRC shall retain copies of such analytical reports for a minimum of five years. If a client requests additional copies of such analytical reports during the retention period, an additional charge will apply for the preparation and printing of such reports.

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