



NEILSON RESEARCH CORPORATION

Environmental Testing Laboratory

12/20/2016

Dale Giovannetti
Central Point Sch. Dist/Sams Valley Elem
300 Ash St.
Central Point, OR 97502
TEL: (541) 494-6924
FAX
RE: CPE- Lead

Order No.: 1612480

Dear Dale Giovannetti:

Neilson Research Corporation received 1 sample(s) on 12/13/2016 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

245 S Grape St • Medford, OR 97501 • (541) 770-5678
400 SE G St, Suite B • Grants Pass, OR 97526 • (541) 479-4053

www.nrclabs.com

Neilson Research Corporation

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

Analysis Report

ORELAP 100016
EPA OR00028

CLIENT: Central Point Sch. Dist/Sams Valley Elem
Project: CPE- Lead
Lab Order: 1612480

Date: 20-Dec-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

Central Point Sch. Dist/Sams Valley Ele

300 Ash St.

Central Point, OR 97502

Sample Information: CPE- Lead

Lab Order: 1612480

Received Date: 12/13/2016 9:09:00 AM

Reported Date: 12/20/2016 4:26:05 PM

Lab ID: 1612480-01

Collection Date: 12/13/2016 5:35:00 AM

Matrix: DRINKING WATER

Client Sample ID: Bottle #26955

Source: City Water

Sample Location: Rm 29 Sink #2

Trace Metals by EPA 200.8 ICP-MS						Analyst: BAR	NELAP
Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	Accredited
Lead	0.0391	CF*	0.0001	mg/L	1	12/15/2016	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.
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

CLIENT: Central Point Sch. Dist/Sams Valley Elem
Work Order: 1612480
Project: CPE- Lead

ANALYTICAL QC SUMMARY REPORT

TestCode: ICPMS_200.8_SCHOOL

Sample ID MB-37255	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 12/14/2016	RunNo: 92008						
Client ID: ZZZZZ	Batch ID: 37255	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 12/15/2016	SeqNo: 1397194						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.000100

Sample ID LCS-37255	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 12/14/2016	RunNo: 92008						
Client ID: ZZZZZ	Batch ID: 37255	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 12/15/2016	SeqNo: 1397195						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.09619 0.000100 0.1 0 96.2 85 115

Sample ID 1612480-01AMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 12/14/2016	RunNo: 92008						
Client ID: Bottle #26955	Batch ID: 37255	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 12/15/2016	SeqNo: 1397212						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.1350 0.000100 0.1 0.03914 95.9 70 130

Sample ID 1612480-01AMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 12/14/2016	RunNo: 92008						
Client ID: Bottle #26955	Batch ID: 37255	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 12/15/2016	SeqNo: 1397213						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.1337 0.000100 0.1 0.03914 94.6 70 130 0.135 0.968 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

