Jeremy Cox City of Woodland 655 North Pioneer Avenue Woodland, CA 95776

RE: Report for A9A3095 School Lead - EDT

Dear Jeremy Cox,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 1/25/2019. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Project Manager, Jaime Lee LaFave, at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Jaime Lee LaFave, Project Manager



Accredited in Accordance with NELAP ORELAP #4021-009



#### **Case Narrative**

Project and Report Details Invoice Details

Client:City of WoodlandInvoice To: City of WoodlandReport To:Jeremy CoxInvoice Attn: Accounts Payable

Project #: 571057960277275-Yolo County Office of Education Project PO#: -

**Received:** 1/25/2019 - 11:00 **Report Due:** 2/08/2019

**Sample Receipt Conditions** 

Cooler:Default CoolerContainers IntactTemperature on Receipt °C: 8.0COC/Labels Agree

Received with no thermal preservation.

Packing Material - Bubble Wrap

Sample(s) were received in temperature range.

Initial receipt at BSK-FAL

#### **Data Qualifiers**

The following qualifiers have been applied to one or more analytical results:

#### **Report Distribution**

Recipient(s)	Report Format	CC:	
Jeremy Cox	FINAL.RPT		
Jeremy Cox	WRITEON.RPT		
Paul Bludsworth	FINAL.RPT		
Paul Bludsworth	WRITEON.RPT		
Sacramento District #09	MCL.RPT		
Sacramento District #09	WRITEON.RPT		
Matt Cohen	FINAL.RPT		
Matt Cohen	WRITEON.RPT		
Yousuf Kaleem	FINAL.RPT		
Yousuf Kaleem	WRITEON.RPT		

<sup>\*\*\*</sup>None applied\*\*\*





571057960277275-Yolo County Office of Education

# **Certificate of Analysis**

Sample ID: A9A3095-01
Sampled By: Paul Bludsworth

Sample Description: Ste 100 Men's Bathroom

Sample Date - Time: 01/15/19 - 07:01 Matrix: Water

Sample Type: Grab

## BSK Associates Laboratory Fresno Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	ND	1.0	ug/L	1	A901268	01/28/19	02/05/19





571057960277275-Yolo County Office of Education

# **Certificate of Analysis**

**Sample ID:** A9A3095-02 **Sample Date - Time:** 01/15/19 - 07:23

Sampled By:Paul BludsworthMatrix:WaterSample Description:Ste 100 Men's Conf. BathroomSample Type:Grab

## BSK Associates Laboratory Fresno Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	41	1.0	ug/L	1	A901268	01/28/19	02/05/19





571057960277275-Yolo County Office of Education

# **Certificate of Analysis**

Sample ID: A9A3095-03
Sampled By: Paul Bludsworth

Sample Description: Ste 190 Men's Bathroom

Sample Date - Time: 01/15/19 - 07:39

Matrix: Water

Sample Type: Grab

# BSK Associates Laboratory Fresno

#### **Metals**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	1.3	1.0	ug/L	1	A901268	01/28/19	02/05/19	





571057960277275-Yolo County Office of Education

## **Certificate of Analysis**

**Sample ID:** A9A3095-04 **Sample Date - Time:** 01/15/19 - 07:30

Sampled By:Paul BludsworthMatrix:WaterSample Description:Ste 140 Headstart KitchenSample Type:Grab

#### BSK Associates Laboratory Fresno Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	1.0	ug/L	1	A901268	01/28/19	02/05/19	





571057960277275-Yolo County Office of Education

# **Certificate of Analysis**

Sample ID: A9A3095-05
Sampled By: Paul Bludsworth

Sample Description: Distribution Source

**Sample Date - Time:** 01/15/19 - 06:51

Matrix: Water Sample Type: Grab

# BSK Associates Laboratory Fresno

#### **Metals**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	1.3	1.0	ug/L	1	A901268	01/28/19	02/05/19





## BSK Associates Laboratory Fresno Metals Quality Control Report

			,		report					
Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed Qual
		EPA 200.8	3 - Qua	ility Coi	ntrol					
Batch: A901268				•						Prepared: 1/28/2019
Prep Method: EPA 200.2 - Pb/Cu Rule										Analyst: MAS
Blank (A901268-BLK1)										
Lead	ND	1.0	ug/L							02/05/19
Blank Spike (A901268-BS1)										
Lead	200	1.0	ug/L	200	ND	101	85-115			02/05/19
Blank Spike Dup (A901268-BSD1)										
Lead	210	1.0	ug/L	200	ND	104	85-115	3	20	02/05/19
Matrix Spike (A901268-MS1), Source: A9	A3056-02									
Lead	200	1.0	ug/L	200	ND	101	70-130			02/05/19
Matrix Spike (A901268-MS2), Source: A9	A3098-03									
Lead	200	1.0	ug/L	200	2.5	100	70-130			02/05/19
Matrix Spike Dup (A901268-MSD1), Sour	ce: A9A3056-02									
Lead	200	1.0	ug/L	200	ND	101	70-130	0	20	02/05/19
Matrix Spike Dup (A901268-MSD2), Sour	ce: A9A3098-03									
Lead	200	1.0	ug/L	200	2.5	101	70-130	1	20	02/05/19



#### **Certificate of Analysis**

#### Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- · (1) Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- · RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

#### **Definitions**

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
μg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
μg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

BSK is not accredited under the NELAP program for the following parameters: \*\*NA\*\*

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

San Bernardino					
State of California - ELAP	2435				
Sacramento					
State of Oregon - NELAP	4021-010	State of Washington	C997-18		
State of California - ELAP	1180	State of Hawaii	4021	State of Nevada	
LFA - OCIVIINA	CA00019	Los Angeles Cob	3234413	NELAF Certified	

Los Angeles CSD

Los Angeles CSD 9254478 NELAP certified 4119-003 State of California - ELAP 2993

State of Oregon - NELAP 4119-003

 $C\Lambda 00070$ 

Fresno

Vancouver

NELAP certified WA100008-011 State of Oregon - NELAP WA100008-011 State of Washington C824-18b

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. A9A3095 FINAL 02062019 1619

4021-010 CA000792019-1

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NEL AD cortified







01252019

Wood15959

Turnaround: Standard

Due Date: 2/8/2019



City of Woodland







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		Date needed:		U
		Rush (Surcharge may apply)		www.bskassociates.com
	Woodl5959 10	X Standard - 10 business days	93	(559) 497-2888 · Fax (559) 497-2893
v	A9A3095 01/25/2019	Turnaround Time Request	06	1414 Stanislaus St., Fresno, CA 93/06

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# BSK Associates SR-FL-0002-19

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