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

RE: Report for A9A3101 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 #: Cesar Chavez Community 57105790113787 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		

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





Cesar Chavez Community 57105790113787

# **Certificate of Analysis**

**Sample ID:** A9A3101-01 **Sample Date - Time:** 01/15/19 - 08:36

Sampled By:Paul BludsworthMatrix:WaterSample Description:YCCP Building Restroom SinkSample Type:Grab

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	





Cesar Chavez Community 57105790113787

# **Certificate of Analysis**

**Sample ID:** A9A3101-02

Sample Date - Time: 01/15/19 - 08:25

Sampled By: Paul Bludsworth

Matrix: Water Sample Type: Grab

Sample Description: RR Building Exterior DF

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	





Cesar Chavez Community 57105790113787

# **Certificate of Analysis**

**Sample ID:** A9A3101-03 **Sample Date - Time:** 01/15/19 - 08:30

Sampled By:Paul BludsworthMatrix:WaterSample Description:Restroom Building Boys SinkSample Type:Grab

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	1.8	1.0	ug/L	1	A901268	01/28/19	02/05/19





Cesar Chavez Community 57105790113787

# **Certificate of Analysis**

**Sample ID:** A9A3101-04 **Sample Date - Time:** 01/15/19 - 08:20

Sampled By:Paul BludsworthMatrix:WaterSample Description:Admin Building Hallway SinkSample Type:Grab

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





Cesar Chavez Community 57105790113787

# **Certificate of Analysis**

**Sample ID:** A9A3101-05

Sampled By: Paul Bludsworth Sample Description: Backflow

**Sample Date - Time:** 01/15/19 - 08:10

Matrix: Water Sample Type: Grab

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	1.4	1.0	ug/L	1	A901268	01/28/19	02/05/19	



### BSK Associates Laboratory Fresno Metals Quality Control Report

				Report					
Result	RL	Units	Spike Level	Source Result	%REC	%REC	RPD	RPD Limit	Date Analyzed Qual
		- 4							Prepared: 1/28/2019
									Analyst: MAS
Blank (A901268-BLK1)									
ND	1.0	ug/L							02/05/19
200	1.0	ug/L	200	ND	101	85-115			02/05/19
210	1.0	ug/L	200	ND	104	85-115	3	20	02/05/19
A3056-02									
200	1.0	ug/L	200	ND	101	70-130			02/05/19
A3098-03									
200	1.0	ug/L	200	2.5	100	70-130			02/05/19
Matrix Spike Dup (A901268-MSD1), Source: A9A3056-02									
200	1.0	ug/L	200	ND	101	70-130	0	20	02/05/19
Matrix Spike Dup (A901268-MSD2), Source: A9A3098-03									
200	1.0	ug/L	200	2.5	101	70-130	1	20	02/05/19
	ND 200 210 240 2A3056-02 200 2A3098-03 200 7Ce: A9A3056-02 200 7Ce: A9A3098-03	ND 1.0 200 1.0 210 1.0 240 1.0	ND 1.0 ug/L 200 1.0 ug/L 210 1.0 ug/L 210 1.0 ug/L 210 1.0 ug/L 2300 1.0 ug/L 243098-03 200 1.0 ug/L 26: A9A3056-02 200 1.0 ug/L 27ce: A9A3098-03	Result   RL   Units   Level     EPA 200.8 - Quality Con     ND	Result   RL   Units   Level   Result   EPA 200.8 - Quality Control	Result   RL   Units   Level   Result   %REC	Result   RL   Units   Level   Result   %REC   Limits	ND	ND



#### **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.

		S .		
State of California - ELAP	1180	State of Hawaii	4021	State of Nevada
State of Oregon - NELAP	4021-010	State of Washington	C997-18	
Sacramento				
State of California - ELAP	2435			
San Bernardino				
L A L OOD	0054470	NELAD CC.	1110 000	01 1 10 111 1 111

Los Angeles CSD

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

State of Oregon - NELAP 4119-003

CA00079

Fresno EPA - UCMR4

 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. A9A3101 FINAL 02062019 1635

4021-010 CA000792019-1

9254479

**NELAP** certified







01252019

Woodl5959

Turnaround: Standard
Due Date: 2/8/2019



City of Woodland





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	5710006-ABG-Z	5710006-ABG-D	5710006-ABG-C	5710006-ABG-B	5710006-ABG-A	Sample Description*	Matrix Types: SW=Surface Water BW=Bottled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid	Sind Street	THE VERY	bambler Name (Printed/Signature)*:	Trace (J-Flag) Swamp EDD Type:	Reporting Options:	Cesar Chavez Community 57105790113787		Address*: 300 First Street	City of Woodland	Company/Client Name*:	'Required Fields	ASSOCIATES www.bskassociates.com	1414 Stanislaus St., Fresno, CA 93706 (559) 497-2888 · Fax (559) 497-2893
	1-1	1-1	1-	1-	7		V=Ground Water WV	Other:	Mad	Merc	SWF	71		Project #:	city*: Woodland	Additional cc's: Jeremy Cox	Matt Cohen		com	Fresno, CA 937 x (559) 497-289
ŀ	1-15-19	5-19	15-fi	15-16	1-15-19	Date	V=Waste	.*   	Madera Co	Merced Co	CB (Dri	Regulator			ď					706
	01/80	1-15-19 0820	1-15-A0830	1-15-19 0825	2837	ate Time	water STW=St			ַב <u>י</u>	SWRCB (Drinking Water)	Regulatory Carbon Copies						Temp:		
						Matrix*	orm Wate		Tulare Co	Fresno Co								×		$\boxtimes_{\vec{z}}$
	Jack Clary	Admin Building Hallway Sink	Restroom Building Boys Sink	RR Building Exterior DF	YCCP Building Restroom Sink	(* Comments / Station Code / WTRAX	er DW=Drinking Water SO=Solid	Geotracker #:		System Number*: 5710006	EDT to California SWRCB (Drinking Water)	Regulatory Compliance	E-Mail Fax Mail	How would you like to receive your completed results?"	State*: Zip*: Ca 95695	PO#	Invoice 10":	8.0454	Rush (Surcharge may apply) Date needed:	Turnaround Time Request Standard - 10 business days
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Cooling Method: Wet Blue Goff

Payment for services rendered as noted herein are due in full white 3-95 from the date involved. If not so pati, account balances are deemed delinquent. Delinquent balances are subject to monthly service charges and interest specified in BSK's current Standard Terms and Conditions for Laboratory Services. The person signing for the Client/Company, exchanged that they are alther the Client or an authorized agent to the Client, that the Client agrees to be responsible for payment for the services on this Chain of Custody, and agrees to BSK's terms and conditions for laboratory services unless contractually bound otherwise. BSK's current terms and conditions to the Client of the

Shipping Method:

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WALK-IN

ED EX

144AMMARPHERE

Company

1-22491300

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Payment Received at Delivery:

Custody Seal: Y / Amount:

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A9A3101 Woodl5959

01/25/2019

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# **Sample Integrity**

BSK Bottles: Yes No Page of

od15959	

	7. 201.100. (00 110 1 age	<u> </u>			design to the second se		
٥	Was temperature within range? Chemistry ≤ 6°C Micro < 8°C If samples were taken today, is there evidence	Yes (No) NA	received	for the tests re		Yes No NA	
COC Info	that chilling has begun?	Yes No (NA)			(524.2/TCP/TTHM) Method Below)	? Yes No MA	
S	Did all bottles arrive unbroken and intact?	(e) No	Was a su	ıfficient amour	it of sample received	d? Yes No	
ၓ	Did all bottle labels agree with COC?	(es No	Do samp	les have a hol	d time <72 hours?	Yes (N87)	
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No NA	Was PM PM:	notified of disc By	repancies? /Time:	Yes No MA	
	250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?	1-9	1		
	Bacti Na, S <sub>2</sub> O <sub>3</sub>		4			7	
	None (P)White Cap						
	Cr6 (P) Lt Green Labeltibus Cap APHOH(NH/)2504 DW	CI, pH > 8	PF				
lab	Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)2SO4 WW	pH 9.3-9.7	PF				
in the	Cr6 (P) Bleick Label/Blue Cap NH40H(NH4)2S04 7199	pH 9.0-9.5	PF				
)ed	HNO <sub>3</sub> (P) Register or HCI (P) Purple Cap/Lt. Blue Label	_	_	1 C			
forn	H-SO. (P) or (AG) Yellow Cap/Label	pH < 2	PF				
be	NaOH (P) Green Cap	Cl, pH >10	ΡF				
are	NaOH+ZnAc(P)	pH>9	P F				
ō <b>Y</b>	Dissolved Oxygen 300ml (g)	_					
<b>9</b> 2	None (AG) \$09/8081/8082 \$25, 632/8021, 8151, 8270						
Bottles Received ne checks are either N	HCI (AG)Lt. Blue Label O&G, Diesel, TCP		_		(1)	-(9)	
ec are	Ascorbic, EDTA, KH <sub>2</sub> Ct (AG) <sup>Pink Label</sup> 525				No.	<'\'	
es cks	Na2SO3 250mL (AG/Medit Green Label 515				1.54		
F S	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 1 Liter (Brown P) 549	_					
<b>B</b>	NauS2O3 (AG) Problem 548, THM, 524	-	-				
Chic	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (CG) <sup>Blue Label</sup> 504, 505, 547	<u> </u>	<del></del>				
ition	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + MOAA (CG) <sup>Drange Label</sup> 531	pH < 3	PF				
erva	NH <sub>4</sub> Cl (AG) <sup>Purple Label</sup> 552	<u> </u>	_				
ores	EDA (AG)Mountain DBPs	· -					
ans	HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	_	<del></del>		-		
me	Buffer pH 4 (CG)		_				
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	Other:						
	Asbestos 1L (P) w/ Foil / LL Metals Bottle   Bottled Water		<del></del>				
L	Clear Glass 250mL / 500mL / 1 Liter		_				
	Solids: Brass / Steel / Plastic Bag			<u> </u>			
	9	Time/Initials		Container	Preservative	Date/Time/Initials	
Split			6 P		1,1003,100		
<b>S</b>	SP		S P				
			✓ In	dicates Blan	ks Received		
ıts		5	504 5	24.2 TC	P TTHM	537	
Comments			504 524.2 TCP TTHM 537 _				
ខី		8	8260/624				
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