BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)
559-485-6935 (FAX)

A9A3098
2/06/2019

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

RE: Report for A9A3098 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.

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

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.

BSK ASSOCIATES

Case Narrative

Project and Report Details		Invoice Details	
Client:	City of Woodland	**Invoice To:**	City of Woodland
Report To:	Jeremy Cox	**Invoice Attn:**	Accounts Payable
Project #:	57105795730015 Greengate Center for Exception	**Project PO#:**	-
Received:	1/25/2019 - 11:00		
Report Due:	2/08/2019		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt ºC: 8.0

Containers Intact
COC/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:

None applied

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	

Certificate of Analysis

Sample ID: A9A3098-01
Sampled By: Paul Bludsworth
Sample Description: Bldg A Breakroom Sink

Sample Date - Time: 01/15/19 - 09:05
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	**9.6**	1.0	ug/L	1	A901268	01/28/19	02/05/19	

Certificate of Analysis

Sample ID: A9A3098-02
Sampled By: Paul Bludsworth
Sample Description: Bldg C Main Classroom Sink

Sample Date - Time: 01/15/19 - 09:15
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	**3.0**	1.0	ug/L	1	A901268	01/28/19	02/05/19	

Certificate of Analysis

Sample ID: A9A3098-03
Sampled By: Paul Bludsworth
Sample Description: Bldg D Kitchen Area Sink

Sample Date - Time: 01/15/19 - 09:20
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	**2.5**	1.0	ug/L	1	A901268	01/28/19	02/05/19	

Certificate of Analysis

Sample ID: A9A3098-04
Sampled By: Paul Bludsworth
Sample Description: Bldg E Classroom #1 Sink

Sample Date - Time: 01/15/19 - 09:25
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	

Certificate of Analysis

Sample ID: A9A3098-05
Sampled By: Paul Bludsworth
Sample Description: Distribution Source

Sample Date - Time: 01/15/19 - 09:00
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	**1.0**	1.0	ug/L	1	A901268	01/28/19	02/05/19	

BSK Associates Laboratory Fresno

Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 200.8 - Quality Control											
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: A9A3056-02											
Lead	200	1.0	ug/L	200	ND	101	70-130			02/05/19	
Matrix Spike (A901268-MS2), Source: A9A3098-03											
Lead	200	1.0	ug/L	200	2.5	100	70-130			02/05/19	
Matrix Spike Dup (A901268-MSD1), Source: A9A3056-02											
Lead	200	1.0	ug/L	200	ND	101	70-130	0	20	02/05/19	
Matrix Spike Dup (A901268-MSD2), Source: 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.**

Fresno

EPA - UCMR4	CA00079	Los Angeles CSD	9254479	NELAP certified	4021-010
State of California - ELAP	1180	State of Hawaii	4021	State of Nevada	CA000792019-1
State of Oregon - NELAP	4021-010	State of Washington	C997-18		

Sacramento

State of California - ELAP	2435				

San Bernardino

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

Vancouver

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

A9A3098

01252019

Woodl5959

Turnaround: Standard
Due Date: 2/8/2019

City of Woodland

Printed: 1/25/2019 3:50:24PM

BSK ASSOCIATES
1414 Stanislaus St., Fresno, CA 93706
(559) 497-2888 · Fax (559) 497-2893
www.bskassociates.com

Turnaround Time Request
- [X] Standard - 10 business days
- [ ] Rush (Surcharge may apply)
- Date needed:

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*Required Fields Temp: 8.0#54

Company/Client Name*:	Report Attention*:	Invoice To*:	Phone*:	Fax:
City of Woodland	Matt Cohen Additional cc's: Jeremy Cox	PO#:	530-661-5959 E-mail*: Matt.Cohen@cityofwoodland.org	

Address*:	City*:	State*:	Zip*:
300 First Street	Woodland	Ca	95695

Project:	Project #:	How would you like to receive your completed results?*
57105795730015 Greengate Center for Exception	285 W. Beamer St.	[ ] E-Mail [ ] Fax [ ] Mail

Reporting Options: [ ] Trace (J-Flag) [ ] Swamp [ ] EDD Type: _____

Regulatory Carbon Copies: [ ] SWRCB (Drinking Water) [ ] Merced Co [ ] Fresno Co [ ] Madera Co [ ] Tulare Co [ ] Other: _____

Regulatory Compliance: [X] EDT to California SWRCB (Drinking Water) System Number*: 5710006 [ ] Geotracker #: _____

Sampler Name (Printed/Signature)*: Paul Blindsworth / Paul Blindsworth

Matrix Types: SW=Surface Water BW=Bottled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid

#	Sample Description*	Sampled* Date	Sampled* Time	Matrix*	Comments / Station Code / WTRAX	Lead in Schools
1	5710006-ABI-B	1-15-19	0905		Bldg A Breakroom Sink	X
2	5710006-ABI-C	1-15-19	0915		Bldg C Main Classroom Sink	X
3	5710006-ABI-D	1-15-19	0920		Bldg D Kitchen Area Sink	X
4	5710006-ABI-E	1-15-19	0925		Bldg E Classroom #1 Sink	X
5	5710006-ABI-Z	1-15-19	0900		Distribution Source	X

VLK 1-25-19

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
Paul Blindsworth / Paul Blindsworth	COW	1-24-19	1300	James Mowrer	BSK-SAC
Relinquished by: (Signature and Printed Name) James Mowrer	BSK-SAC	1/24/19	1404	Received by: (Signature and Printed Name)	Company
Received for Lab by: (Signature and Printed Name)		Date 1/25	Time 11:00	Payment Received at Delivery: Date:	Amount: PIA#: Check / Cash Init.

Shipping Method: ONTRAC UPS GSO WALK-IN FED EX Courier: _____ Custody Seal: Y / N

Cooling Method: Wet Blue None Chilling Process Begun: Y / N 0 BW

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BSK Associates SR-FL-0002-19

Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	Yes (No) NA	Were correct containers and preservatives received for the tests requested?	Yes (No) NA
If samples were taken today, is there evidence that chilling has begun?	Yes No (NA)	Bubbles Present VOAs (524.2/TCP/TTHM)? TB Received? (Check Method Below)	Yes No (NA) Yes No (NA)
Did all bottles arrive unbroken and intact?	(Yes) No	Was a sufficient amount of sample received?	(Yes) No
Did all bottle labels agree with COC?	(Yes) No	Do samples have a hold time <72 hours?	Yes (No)
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No (NA)	Was PM notified of discrepancies? PM: By/Time:	Yes No (NA)

Bottles Received

"_" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?	1-S					
Bact $Na_2S_2O_3$	—	—						
None (P) White Cap	—	—						
Cr6 (P) Lt. Green Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ DW	Cl, pH > 8	P F						
Cr6 (P) Pink Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ WW	pH 9.3-9.7	P F						
Cr6 (P) Black Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ 7199 ***24 HOUR HOLD TIME***	pH 9.0-9.5	P F						
HNO_3 (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label	—	—	1C					
H_2SO_4 (P) or (AG) Yellow Cap/Label	pH < 2	P F						
NaOH (P) Green Cap	Cl, pH >10	P F						
NaOH + ZnAc (P)	pH > 9	P F						
Dissolved Oxygen 300ml (g)	—	—						
None (AG) 603/8021/8082, 625, 632/8321, 8151, 8270	—	—						
HCl (AG) Lt. Blue Label O&G, Diesel, TCP	—	—					VH 1-25-19	
Ascorbic, EDTA, KH_2Ct (AG) Pink Label 525	—	—						
Na_2SO_3 250mL (AG) Neon Green Label 515	—	—						
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—						
$Na_2S_2O_3$ (AG) Blue Label 548, THM, 524	—	—						
$Na_2S_2O_3$ (CG) Blue Label 504, 505, 547	—	—						
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	P F						
NH_4Cl (AG) Purple Label 552	—	—						
EDA (AG) Brown Label DBPs	—	—						
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—						
Buffer pH 4 (CG)	—	—						
H_3PO_4 (CG) Salmon Label	—	—						
Other:								
Asbestos 1L (P) w/ Foil / LL Metals Bottle	—	—						
Bottled Water	—	—						
Clear Glass 250mL / 500mL / 1 Liter	—	—						
Solids: Brass / Steel / Plastic Bag	—	—						

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S (P)	1C	HNO3	1/25/19 1155 DRW	S P			
S P				S P			

Comments

✓ **Indicates Blanks Received**

504 __ 524.2 __ TCP __ TTHM __ 537 __

8260/624 __

Labeled by: DR @ 1250 Labels checked by: CG @ 1315 RUSH Paged by: _____ @ _____