



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

A8D2469

5/02/2018

Invoice: A812449

Fred Waymire
Nevada Irrigation District
1036 W. Main Street
Grass Valley, CA 95945-5424

RE: Report for A8D2469 General - EDT

Dear Fred Waymire,

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 4/18/2018. 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, Sarah K. Guenther, at 559-497-2888.

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

Sincerely,

Sarah K. Guenther, Project Manager



Accredited in Accordance with NELAP
ORELAP #4021-009

Case Narrative

Project and Report Details	Invoice Details
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Client: Nevada Irrigation District
Report To: Fred Waymire
Project #: Twin Ridges Home Study Charter
Received: 4/18/2018 - 11:50
Report Due: 5/02/2018

Invoice To: Nevada Irrigation District
Invoice Attn: Fred Waymire
Project PO#: -

Sample Receipt Conditions

<p> Cooler: Default Cooler Temperature on Receipt °C: 14.5 </p>	<p> Containers Intact COC/Labels Agree Received with no thermal preservation. Packing Material - Bubble Wrap Packing Material - Paper Sample(s) were received in temperature range. Sample(s) preserved after receipt at lab. Initial receipt at BSK-FAL </p>
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Data Qualifiers

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

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Fred Waymire	FINAL.RPT	
Fred Waymire	WRITEON.RPT	



A8D2469

General - EDT

Twin Ridges Home Study Charter

Certificate of Analysis

Sample ID: A8D2469-01

Sampled By: Fred Waymire

Sample Description: 1 - Kitchen Sink Faucet 111 New Mohawk Rd

Sample Date - Time: 04/10/18 - 08:00

Matrix: Drinking 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	A805389	04/19/18	04/24/18	

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.

A8D2469 FINAL 05022018 1420



A8D2469

General - EDT

Twin Ridges Home Study Charter

Certificate of Analysis

Sample ID: A8D2469-02

Sampled By: Fred Waymire

Sample Description: 2 - Sink Faucet on over side of Kitchen 111 New Mohawk

Sample Date - Time: 04/10/18 - 08:00

Matrix: Drinking 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	A805389	04/19/18	04/24/18	

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A8D2469 FINAL 05022018 1420



A8D2469

General - EDT

Twin Ridges Home Study Charter

Certificate of Analysis

Sample ID: A8D2469-03

Sampled By: Fred Waymire

Sample Description: 3 - Drinking Fountain Outside Front of 111 New Mohawk Rd

Sample Date - Time: 04/10/18 - 07:55

Matrix: Drinking 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	A805389	04/19/18	04/24/18	



A8D2469

General - EDT

Twin Ridges Home Study Charter

Certificate of Analysis

Sample ID: A8D2469-04

Sampled By: Fred Waymire

Sample Description: 4 - Restroom Sink Faucet Downsairs 104 New Mohawk

Sample Date - Time: 04/10/18 - 08:05

Matrix: Drinking 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	A805389	04/19/18	04/24/18	

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A8D2469 FINAL 05022018 1420

**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
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EPA 200.8 - Quality Control

Batch: A805389

Prepared: 4/19/2018

Prep Method: EPA 200.2 - Pb/Cu Rule

Analyst: MAS

Blank (A805389-BLK1)

Lead	ND	1.0	ug/L							04/24/18	
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Blank Spike (A805389-BS1)

Lead	190	1.0	ug/L	200		96	85-115			04/24/18	
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Blank Spike Dup (A805389-BSD1)

Lead	190	1.0	ug/L	200		94	85-115	2	20	04/24/18	
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Matrix Spike (A805389-MS1), Source: A8C3684-01

Lead	190	1.0	ug/L	200	3.2	96	70-130			04/24/18	
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Matrix Spike (A805389-MS2), Source: A8C3687-06

Lead	190	1.0	ug/L	200	ND	93	70-130			04/24/18	
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Matrix Spike Dup (A805389-MSD1), Source: A8C3684-01

Lead	190	1.0	ug/L	200	3.2	95	70-130	1	20	04/24/18	
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Matrix Spike Dup (A805389-MSD2), Source: A8C3687-06

Lead	190	1.0	ug/L	200	ND	95	70-130	2	20	04/24/18	
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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	CA000792018-1
State of Oregon - NELAP	4021-010	State of Washington	C997-18		

Sacramento

State of California - ELAP	2435
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San Bernardino

Los Angeles CSD	9254478	NELAP certified	4119-002	State of California - ELAP	2993
State of Oregon - NELAP	4119-002				

Vancouver

NELAP certified	WA100008-011	State of Oregon - NELAP	WA100008-011	State of Washington	C824-17
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A8D2469



04182018

Nevad6185

Turnaround: Standard

Due Date: 5/2/2018



Nevada Irrigation District



BSK ANALYTICAL LABORATORIES

1414 Stanislaus Street, Fresno, CA 93706-1623
 (559) 497-2888 • FAX (559) 497-2893 • www.bsklabs.com

TEMP: **14.5#53**

A8D2469 04/18/2018
 Nevada6185 10



* Required Fields

Client/Company Name *: **Nevada Irrigation Dist.** Report Attention *: **Fred Waymire** Phone #/ #: (530) 271-6869 FAX #/ (530) 477-2646
 E-mail: **waymire@nidwater.com**

Address *: **1036 West Main St** City *: **Grass Valley** State *: **CA** Zip *: **95945**
 Project Information: PO #: _____ Quote #: _____

How would you like your completed results sent? E-Mail Fax EDD Mail Only
 QC Request: STD Level II Result Request ** Surcharge: STD 5 Day** 2 Day** 1 Day**

Sampler Name Printed / Signature: **Fred Waymire**
 Matrix Types: RSW = Raw Surface Water CFW = Chlorinated Finished Water CWW = Chlorinated Waste Water BW = Bottled Water
 RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

Carbon Copies: CHS Fresno Co EPA Merced Co Tulare Co
 Regulatory Compliance Electronic Data Transfer: Y N Normal School reporting

Sample #	Matrix *	Comments / Station Code
1	1 - Twin Ridges Home Study Charter / 2910004-AAB-A	Kitchen Sink Faucet 111 New Mohawk Rd ✓
2	2 - Twin Ridges Home Study Charter / 2910004-AAB-B	Sink Faucet on over side of Kitchen 111 New Mohawk ✓
3	3 - Twin Ridges Home Study Charter / 2910004-AAB-C	Drinking Fountain Outside Front of 111 New Mohawk Rd ✓
4	4 - Twin Ridges Home Study Charter / 2910004-AAB-D	Restroom Sink Faucet Downstairs 104 New Mohawk ✓

Sample #	Boles	Date	Sampled Time	Sample Description / Location *
1		4/10/18	0800	1 - Twin Ridges Home Study Charter / 2910004-AAB-A
2		4/10/18	0800	2 - Twin Ridges Home Study Charter / 2910004-AAB-B
3		4/10/18	0755	3 - Twin Ridges Home Study Charter / 2910004-AAB-C
4		4/10/18	0805	4 - Twin Ridges Home Study Charter / 2910004-AAB-D

Relinquished by: (Signature and Print Name) _____ Company: **NIID** Date: **4/17/18** Time: **14:00**
 Received by: (Signature and Print Name) _____ Date: _____ Time: _____
 Relinquished by: (Signature and Print Name) _____ Company: _____ Date: _____ Time: _____

Received for Lab by: (Signature and Print Name) _____ Date: **4/17/18** Time: **1:50**
 Shipping Method: **CA UPS GSO WALK-IN SVC FEDEX OTHER** Cooling Method: **WET BLUE NONE**

Packing Material: **Zip P** Int: _____

Notice: Payment for services rendered as noted herein are due in full within 30 days from when invoiced. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service-chilling charges and interest calculated at 1 1/2% per month, 18% per annum. BSK & Associates shall be entitled to recover or delinquent accounts, costs of collections, including attorneys fees incurred prior to or in litigation, whether concluded by judgment, settlement, compromise or otherwise. The person signing for the client/Company expressly acknowledges that they are either the Client or authorized agent to the Client, and the Client agrees to be responsible for payment for analytical services on this Client of Custody. Any modification of the analysis requested, either type or quantities, will be noted and agreed upon this Client of Custody. The turn around time for any samples received after 3:00 pm will begin the next business day. SRF-07-2-00 (Amended)



Sample Integrity

BSK Bottles Yes No Page 1 of 1

COC Info		Yes	No	NA	Were correct containers and preservatives received for the tests requested?		Yes	No	NA
Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>			<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
If samples were taken today, is there evidence that chilling has begun?		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Bubbles Present VOAs (524.2/TCP/TTHM)?		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Did all bottles arrive unbroken and intact?		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	TB Received? (Check Method Below)		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Did all bottle labels agree with COC?		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Was a sufficient amount of sample received?		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Do samples have a hold time <72 hours?		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Was PM notified of discrepancies? PM: _____ By/Time: _____		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)		Checks	Passed?		1-4				
Bacti Na₂S₂O₃		—	—						
None (P) White Cap		—	—						
Cr6 (P) Lt. Green Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ DW		Cl, pH > 8	P	F					
Cr6 (P) Pink Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ WW		pH 9.3-9.7	P	F					
Cr6 (P) Black Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO 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 ₂ SO 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) 609/8061/8082, 625, 632/8321, 8151, 8270		—	—						
HCl (AG) Lt. Blue Label O&G, Diesel, TCP		—	—						
Ascorbic, EDTA, KH ₂ Ct (AG) Pink Label 525		—	—						
Na₂SO₃ 250mL (AG) Neon Green Label 515		—	—						
Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549		—	—						
Na₂S₂O₃ (AG) Blue Label 548, TTHM, 524		—	—						
Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547		—	—						
Na₂S₂O₃ + MCAA (CG) Orange Label 531		pH < 3	P	F					
NH ₄ Cl (AG) Purple Label 552		—	—						
EDA (AG) Brown Label DBPs		—	—						
HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624		—	—						
Buffer pH 4 (CG)		—	—						
H₃PO₄ (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 ⊕ S P	IL - P HNO ₃	AW 4-18-18 11:30		S P S P				
Comments					✓ Indicates Blanks Received				
					504 ___ 524.2 ___ TCP ___ TTHM ___ 537 ___ 8260/624 ___				

S

4-18-18
EUG

Labeled by: AW @ 17:46 Labels checked by: III @ 17:45 RUSH Paged by: _____ @ _____