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

A9H3807
9/16/2019
Invoice: A926245

Fred Finkbeiner
Sierra Highlands Community Service District
PO Box 782
Bishop, CA 93515

RE: Report for A9H3807 General Chemistry

Dear Fred Finkbeiner,

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 8/28/2019. 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, Heather S. White , at 559-497-2888.

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

Sincerely,

Heather S. White, 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:	Sierra Highlands Community Service District	**Invoice To:**	Sierra Highlands Community Service D
Report To:	Fred Finkbeiner	**Invoice Attn:**	Fred Finkbeiner
Project #:	-	**Project PO#:**	-
Received:	8/28/2019 - 13:00		
Report Due:	9/26/2019		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt ºC: 0.0

Containers Intact
COC/Labels Agree
Received On Blue Ice
Packing Material - Other
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:

HT2.0 Holding time exceeded. Sample was received at the lab past recommended holding time.
MS1.0 Matrix spike recoveries exceed control limits.

Report Distribution

Recipient(s)	Report Format	CC:
Fred Finkbeiner	FINAL.RPT	
Fred Finkbeiner	WRITEON.RPT	
Sean McCarthy	FINAL.RPT	

Certificate of Analysis

Sample ID: A9H3807-01
Sampled By: Fred Finkbeiner
Sample Description: Well 2 (South)

Sample Date - Time: 08/27/19 - 11:40
Matrix: Drinking Water
Sample Type: Grab

BSK Associates Laboratory Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Aggressive Index		**11**				A913179	09/04/19	09/04/19	
Alkalinity as CaCO3	SM 2320B	**68**	3.0	mg/L	1	A912863	08/28/19	08/28/19	
Bicarbonate as CaCO3	SM 2320B	**68**	3.0	mg/L	1	A912863	08/28/19	08/28/19	
Carbonate as CaCO3	SM 2320B	ND	3.0	mg/L	1	A912863	08/28/19	08/28/19	
Hydroxide as CaCO3	SM 2320B	ND	3.0	mg/L	1	A912863	08/28/19	08/28/19	
Chloride	EPA 300.0	ND	1.0	mg/L	1	A912844	08/28/19	08/28/19	
Color, Apparent	SM 2120B	**5.0**	5.0	CU	1	A912507	08/28/19 18:26	08/28/19	
Color pH (1)	SM 4500-H+ B	**7.8**		pH Units	1	A912507	08/28/19	08/28/19	
Conductivity @ 25C	SM 2510B	**160**	1.0	umhos/cm	1	A912863	08/28/19	08/28/19	
Langelier Index	SM 2330B	**-0.58**				A913486	09/10/19	09/10/19	
MBAS, Calculated as LAS, mol wt 340	SM 5540C	ND	0.050	mg/L	1	A912904	08/28/19 21:21	08/28/19	
Nitrate as N	EPA 300.0	**0.79**	0.23	mg/L	1	A912844	08/28/19 19:35	08/28/19	
Threshold Odor	SM 2150B	ND	1.0	T.O.N.	1	A912492	08/28/19 17:43	08/28/19	HT2.0
pH (1)	SM 4500-H+ B	**7.8**		pH Units	1	A912863	08/28/19	08/28/19	
pH Temperature in °C		**22.8**							
Sulfate as SO4	EPA 300.0	**6.4**	1.0	mg/L	1	A912844	08/28/19	08/28/19	
Total Dissolved Solids	SM 2540C	**120**	5.0	mg/L	1	A913081	09/03/19	09/09/19	
Turbidity	SM 2130B	**0.72**	0.10	NTU	1	A912507	08/28/19 18:50	08/28/19	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Calcium	EPA 200.7	**20**	0.10	mg/L	1	A912926	08/29/19	09/03/19	
Copper	EPA 200.7	ND	0.050	mg/L	1	A912926	08/29/19	09/03/19	
Hardness as CaCO3		**61**	0.41	mg/L					
Iron	EPA 200.7	**0.15**	0.030	mg/L	1	A912926	08/29/19	09/03/19	
Magnesium	EPA 200.7	**3.0**	0.10	mg/L	1	A912926	08/29/19	09/03/19	
Manganese	EPA 200.7	ND	0.010	mg/L	1	A912926	08/29/19	09/03/19	
Potassium	EPA 200.7	**2.3**	2.0	mg/L	1	A912926	08/29/19	09/03/19	
Silver	EPA 200.7	ND	0.010	mg/L	1	A912926	08/29/19	09/03/19	
Sodium	EPA 200.7	**6.4**	1.0	mg/L	1	A912926	08/29/19	09/03/19	
Zinc	EPA 200.7	ND	0.050	mg/L	1	A912926	08/29/19	09/03/19	

Certificate of Analysis

Sample ID: A9H3807-02
Sampled By: Fred Finkbeiner
Sample Description: Well 3 (Carol Lane)

Sample Date - Time: 08/27/19 - 12:10
Matrix: Drinking Water
Sample Type: Grab

BSK Associates Laboratory Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Aggressive Index		**11**				A913179	09/04/19	09/04/19	
Alkalinity as CaCO3	SM 2320B	**43**	3.0	mg/L	1	A912863	08/28/19	08/28/19	
Bicarbonate as CaCO3	SM 2320B	**43**	3.0	mg/L	1	A912863	08/28/19	08/28/19	
Carbonate as CaCO3	SM 2320B	ND	3.0	mg/L	1	A912863	08/28/19	08/28/19	
Hydroxide as CaCO3	SM 2320B	ND	3.0	mg/L	1	A912863	08/28/19	08/28/19	
Chloride	EPA 300.0	ND	1.0	mg/L	1	A912844	08/28/19	08/28/19	
Color, Apparent	SM 2120B	ND	5.0	CU	1	A912507	08/28/19 18:27	08/28/19	
Color pH (1)	SM 4500-H+ B	**7.7**		pH Units	1	A912507	08/28/19	08/28/19	
Conductivity @ 25C	SM 2510B	**110**	1.0	umhos/cm	1	A912863	08/28/19	08/28/19	
Langelier Index	SM 2330B	**-1.3**				A913486	09/10/19	09/10/19	
MBAS, Calculated as LAS, mol wt 340	SM 5540C	ND	0.050	mg/L	1	A912904	08/28/19 21:21	08/28/19	
Nitrate as N	EPA 300.0	**0.42**	0.23	mg/L	1	A912844	08/28/19 20:07	08/28/19	
Threshold Odor	SM 2150B	ND	1.0	T.O.N.	1	A912492	08/28/19 17:43	08/28/19	HT2.0
pH (1)	SM 4500-H+ B	**7.5**		pH Units	1	A912863	08/28/19	08/28/19	
pH Temperature in °C		**23.1**							
Sulfate as SO4	EPA 300.0	**4.6**	1.0	mg/L	1	A912844	08/28/19	08/28/19	
Total Dissolved Solids	SM 2540C	**85**	5.0	mg/L	1	A913081	09/03/19	09/09/19	
Turbidity	SM 2130B	**0.18**	0.10	NTU	1	A912507	08/28/19 18:51	08/28/19	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Calcium	EPA 200.7	**12**	0.10	mg/L	1	A912926	08/29/19	09/03/19	
Copper	EPA 200.7	ND	0.050	mg/L	1	A912926	08/29/19	09/03/19	
Hardness as CaCO3		**41**	0.41	mg/L					
Iron	EPA 200.7	ND	0.030	mg/L	1	A912926	08/29/19	09/03/19	
Magnesium	EPA 200.7	**2.7**	0.10	mg/L	1	A912926	08/29/19	09/03/19	
Manganese	EPA 200.7	ND	0.010	mg/L	1	A912926	08/29/19	09/03/19	
Potassium	EPA 200.7	**2.2**	2.0	mg/L	1	A912926	08/29/19	09/03/19	
Silver	EPA 200.7	ND	0.010	mg/L	1	A912926	08/29/19	09/03/19	
Sodium	EPA 200.7	**5.4**	1.0	mg/L	1	A912926	08/29/19	09/03/19	
Zinc	EPA 200.7	ND	0.050	mg/L	1	A912926	08/29/19	09/03/19	

Certificate of Analysis

Sample ID: A9H3807-03
Sampled By: Fred Finkbeiner
Sample Description: North Barlow Well

Sample Date - Time: 08/27/19 - 11:40
Matrix: Drinking Water
Sample Type: Grab

BSK Associates Laboratory Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Nitrate as N	EPA 300.0	**0.47**	0.23	mg/L	1	A912885	08/28/19 20:49	08/28/19	

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.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- 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 below MRL/MDL	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	U:	The analyte was not detected at or above the reported sample quantitation limit.

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

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

Aggressive Index Langelier Index Threshold Odor

Certificate of Analysis

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

Fresno

State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-011
State of Nevada	CA000792020-2	State of Oregon - NELAP	4021-011
EPA - UCMR4	CA00079	State of Washington	C997-19b

Sacramento

State of California - ELAP	2435

San Bernardino

State of California - ELAP	2993	Los Angeles CSD	9254478
NELAP certified	4119-004	State of Oregon - NELAP	4119-004

Vancouver

NELAP certified	WA100008-012	State of Oregon - NELAP	WA100008-012
State of Washington	C824-19		

BSK Associates SR-FL-0002-20

Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info

Is temperature within range? Chemistry ≤ 6°C Micro < 8°C	Yes No NA	Are 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 in VOA (524.2/TCP/TTHM)? TB Received? (Check Method Below)	Yes No NA Yes No NA
Did all bottles arrive unbroken and intact?	Yes No	Is sufficient amount of sample received?	Yes No
Do 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	Has PM been 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) 40mlVOA(V) 125ml(D)	Checks	Passed?					
Bacti $Na_2S_2O_3$	—	—					
None (P) White Cap	—	—	2C	1A			
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	—	—	2G	1B			
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) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—	1B				
HCl (AG) Lt. Blue Label O&G, Diesel, **TCP**	—	—					
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	—	—					
Trizma – EPA 537.1							
Other:							
Asbestos 1L (P) w/ Foil / LL Metals Bottle	—	—					
Bottled Water	—	—					
Clear Glass 125mL / 250mL / 500mL / 1 Liter	—	—					
Solids: Brass / Steel / Plastic Bag	—	—					

VH 8.28.19

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S P				S P			
S P				S P			

Comments

A received after 24 hours

✓ **Indicates Blanks Received**

504 __ 524.2 __ TCP __ TTHM __ 537 __

8260/624 __

Scanned: _____

BSK Associates
Engineers & Laboratories
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(559) 497-2888 Fax (559) 497-2893
www.bskassociates.com

A9H3807 08/28/2019
Sierr4302 10

O.C#54

*Required Fields Temp:

Company/Client Name*:	Report Attention*:	Invoice To*:	Phone*:	Fax*:
Sierra Highlands CSD	Fred Finkbeiner Additional cc's:	PO#:	760-873-4302 E-mail*: sierrafred@aol.com	

Address*:	City*:	State*:	Zip*:
2709 Underwood Lane	Bishop	CA	93514

Regulatory Carbon Copies
CDPH ☒ ☐ Fresno Co
Merced Co ☐ ☐ Tulare Co
Madera Co ☐ ☐ Other: VICTORVILLE

Project: General Chemistry
Project #:

Reporting Options: ☐ Trace (J-Flag) ☐ Swamp ☐ EDD Type:

How would you like your completed results sent?* ☐ E-Mail ☐ Fax ☒ Mail

Regulatory Compliance
☒ EDT to California DPH
System Number*: 1400007
☐ Geotracker #:

Sampler Name (Printed/Signature)*: FRED FINKBEINER

TAT* **Surcharge
☒ **Standard** - 10 Business Days
☐ **Rush: Date Needed

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	General Mineral, General Physical	Nitrate	Gross Alpha
1	Well 2 (South)	8/27/19	10:40	DW	-002	X	X	X
2	Well 3 (Carol Lane)	8/27/19	12:10	DW	-003	X	X	X
3	North Barlow Well	8/27/19	10:40	DW	-005		X	

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
FRED FINKBEINER	SHCSD	8/27/19	12:35		
Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery: Date:	Check / Cash Amount: PIA#: Init.
		8/28/19	13:00		

Shipping Method: ONTRAC UPS GSO WALK-IN FED EX Courier:
Cooling Method: Wet Blue None
Custody Seal: Y / N
Chilling Process Begun: Y / N BW

External

A9H3807

September 13, 2019

BSK Associates Engineers & Laboratories
1414 Stanislaus St.
Fresno, CA 93706

Lab ID : SP 1911540
Customer : 2-22939

Laboratory Report

Introduction: This report package contains total of 5 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
WELL 02 (SOUTH)	08/27/2019	08/30/2019	SP 1911540-001	DW
WELL 03 (CAROL LANE)	08/27/2019	08/30/2019	SP 1911540-002	DW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	09/10/2019:214070 All analysis quality controls are within established criteria.
	09/10/2019:214092 All analysis quality controls are within established criteria.
	09/03/2019:210065 All preparation quality controls are within established criteria, except: The following note applies to Gross Alpha: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
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Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No 1573

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Stockton, CA 95215
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FAX: (209)942-0423
CA ELAP Certification No. 1563

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Chico, CA 95926
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FAX: (530)343-3807
CA ELAP Certification No. 2670

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9415 W Goshen Avenue
Visalia, CA 93291
TEL. (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No 2810

September 13, 2019 Lab ID : SP 1911540
BSK Associates Engineers & Laboratories Customer : 2-22939

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2019-09-13

RADIO CHEMICALS ANALYSIS

Date of Report	:	September 13, 2019	Sample ID	:	SP 1911540-001
Laboratory Name	:	**FGL Environmental**	Approved By		**Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S Title: Laboratory Director Date: 2019-09-13
Sampled On	:	08/27/2019-11:40			
Received On	:	08/30/2019-10:22	Sampler	:	Not Available
Completed On	:	09/10/2019	Employed By	:	Not Available

System Name : SIERRA HIGHLAND CSD (A9H3807-01) Number : 1400007-002 **EDT**

Name Or Number of Sample Source : WELL 02 (SOUTH)

User ID	:	TAN	Station Number	:	1400007-002
Date/Time of Sample	:	1908271140 YYMMDDTTTT	Laboratory Code	:	5 8 6 7
Submitted By	:	**FGL Environmental**	Phone #	:	(805) 392-2000

RADIOLOGICAL

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
15 □	pCi/L	Gross Alpha	01501	4.50	3
	pCi/L	Gross Alpha Counting Error	01502	± 1.07	
	pCi/L	Gross Alpha MDA95	A-072	1.02	

□ Including Radium But excluding Uranium. (Ref. Title 22 sec. 64442.)
MCL - Maximum Contaminant Level. DLR -Detection Limit for Reporting Purpose. ND - Not Detected at or above DLR

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
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Visalia, CA 93291
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FAX: (559)734-8435
CA ELAP Certification No. 2810

RADIO CHEMICALS ANALYSIS

Date of Report	: September 13, 2019	Sample ID	: SP 1911540-002
Laboratory Name	: **FGL Environmental**	Approved By	**Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2019.09.13
Sampled On	: 08/27/2019-12:10		
Received On	: 08/30/2019-10:22	Sampler	: Not Available
Completed On	: 09/10/2019	Employed By	: Not Available

System Name : SIERRA HIGHLAND CSD (A9H3807-02) Number : 1400007-003 **EDT**

Name Or Number of Sample Source : WELL 03 (CAROL LANE)

User ID	: TAN	Station Number	: 1400007-003
Date/Time of Sample	: 1908271210 YYMMDDTTTT	Laboratory Code	: 5 8 6 7
Submitted By	: **FGL Environmental**	Phone #	: (805) 392-2000

RADIOLOGICAL

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
15 □	pCi/L	Gross Alpha	01501	1.27	3
	pCi/L	Gross Alpha Counting Error	01502	± 0.751	
	pCi/L	Gross Alpha MDA95	A-072	0.960	

□ Including Radium But excluding Uranium. (Ref. Title 22 sec. 64442.)
MCL - Maximum Contaminant Level, DLR -Detection Limit for Reporting Purpose, ND - Not Detected at or above DLR

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September 13, 2019 Lab ID : SP 1911540
BSK Associates Engineers & Laboratories Customer : 2-22939

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	09/10/19:214070IWC	CCV	cpm	8173	39.0 %	35-47	
			CCB	cpm		0.0800	0.17	
	900.0	09/10/19:214092JCA	CCV	cpm	8173	38.7 %	35-47	
			CCB	cpm		0.1200	0.16	
Gross Alpha	900.0	09/03/19:2100651WC	Blank	pCi/L		0.92	3	
			LCS	pCi/L	155.2	106 %	75-125	
			MS	pCi/L	155.2	155 %	60-140	435
		(STK1952357-001)	MSD	pCi/L	155.2	137 %	60-140	
			MSRPD	pCi/L	155.2	12.2%	≤30	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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ASSOCIATES

SUBCONTRACT ORDER

A9H3807

1911540

SENDING LABORATORY:

BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
Phone: 559-497-2888
Fax: 559-485-6935
Project Manager: Heather S. White
E-mail: hwhite@bskassociates.com

RECEIVING LABORATORY:

FGL Environmental
P.O. Box 272 / 853 Corporation
Santa Paula, CA 93060
Phone :(805) 392-2000
Fax: (805) 525-4172
Turnaround (Days): Standard
QC Deliverables: I Std III IV

RUSH

Sample ID	Samp Desc					Sample Date
A9H3807-01	**Well 2 (South)**			**Client Matrix**	Drinking Water	**08/27/2019 11:40**
Lab Matrix:	Water	**System Number:**	1400007-002			
	Analysis: EXT-Gross Alpha					
A9H3807-02	**Well 3 (Carol Lane)**			**Client Matrix**	Drinking Water	**08/27/2019 12:10**
Lab Matrix:	Water	**System Number:**	1400007-003			
	Analysis: EXT-Gross Alpha					

State Forms: **Yes**

System Name: ____________ Employer: ____________

User ID: ____________ Sampler: ____________

EDI Please
Thanks!
-HSW

Released By	Date	Received By	Date
[signature]	8/29/19		
[signature]	8/30/19 1022	[signature]	8/30/19 1022

Page 1 of 1

23c C1189870000 5071

Condition Upon Receipt (Attach to COC)

Sample Receipt at SP:

1. Number of ice chests/packages received: 1
2. Shipper tracking numbers C11898700005071
3. Were samples received in a chilled condition?
   Temps: ROI / 23C / _____ / _____ / _____ / _____ / _____
4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
5. Do the number of bottles received agree with the COC? **Yes** / No / N/A
6. Verify sample date, time, sampler **Yes** / No / N/A
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **Yes** / No
8. Were sample custody seals intact? Yes / No / **N/A**

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? **Yes** / No
2. Did bottle labels correspond with the client's ID's? **Yes** / No
3. Were all bottles requiring sample preservation properly preserved? Yes / No / **N/A** FGL
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? Yes / No / **N/A**
5. Were all analyses within holding times at time of receipt? **Yes** / No
6. Have rush or project due dates been checked and accepted? **Yes** / No / N/A

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Cynthia T Casarez** Digitally signed by Cynthia T Casarez Title: Sample Receiving Date: 08/30/2019-11:06:29

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2022939)
BSK Associates
SP 1911540
CTC-08/30/2019-11:06:29