



Zalco
Laboratories, Inc.

4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

August 12, 2026

Richie Lawrence

North Kern Water Storage District
P O BOX 81435
Bakersfield, CA 93380
RE: Irrigation Analysis

Zalco Work Order: 2607598

Zalco Project:

Enclosed are the results of analyses for samples received by our laboratory on 7/31/2026. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Ashlee Gonzalez". The signature is fluid and cursive, with a large loop at the end.

Ashlee Gonzalez For Juan Magana
Laboratory Technical Manager

ZALCO LABORATORIES, INC.

4309 Armour Avenue, Bakersfield, CA 93308

Phone: (661) 395-0539

Website: www.zalcolabs.com

CHAIN OF CUSTODY, ID#

2607598

PO:

Project ID:

ANALYSIS REQUESTED

Turnaround Time:

RUSH!

Routine:	(10 Business Days)
-----------------	---------------------------

Rush By: 5 Working Days

EDT: NC

CLIP:

(DIST/PERSON)

System#

Client Declined

State Submittal

EMAIL: ☒

Received Temp: 12.10 C°

NOTES:

[illegible]

Relinquished By:

Company:

Date:

Time:

Received By:

Date:

Time:

Company:

Relinquished By: Edward A. Lucas

Date: 7/31/24

Time: 11:03

Received B
HMC

7/3/20

Ti
11:03

Comp
Fulw

NOTE: Samples Discarded 30 days after results unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.

Sample Type Key:

NP-Non-Potable; BS-Biosolid; DW-Drinking Water; GW-Groundwater; G-Gas
LPG-Liquid Petroleum Gas; OL-Oil; P-Petroleum; S-Solid/Soil; ST-Storm water
WW-Wastewater; L-Liquid; Aq-Aqueous



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North Kern Water Storage District
P O BOX 81435
Bakersfield, CA 93380

Project: Irrigation Analysis
Project Number: Irrigation Analysis
Project Manager: Richie Lawrence

Reported:
08/12/2026 10:32

Sample Results

Sample Name: Kimberlina

Sampled Date - Time: 7/31/2026 8:05:00AM

Lab ID: 2607598-01

Matrix: Water

Sample Type: Grab

Analyte	Result	Qual	Report Limit	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials
---------	--------	------	-----------------	-----	-------	----------	------------------	--------	---------------------

Solids

Total Suspended Solids	2.8		2.5	0.33	mg/L	1	8/3/26 16:31	SM 2540 D-2015	TP
-------------------------------	------------	--	-----	------	------	---	--------------	----------------	----



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Project: Irrigation Analysis
Project Number: Irrigation Analysis
Project Manager: Richie Lawrence

Reported:
08/12/2026 10:32

Sample Results

(Continued)

Sample Name: Stiff House

Sampled Date - Time: 7/31/2026 8:20:00AM

Lab ID: 2607598-02

Matrix: Water

Sample Type: Grab

Analyte	Result	Qual	Report Limit	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials
---------	--------	------	-----------------	-----	-------	----------	------------------	--------	---------------------

Solids

Total Suspended Solids	3.8		2.5	0.33	mg/L	1	8/3/26 16:31	SM 2540 D-2015	TP
-------------------------------	------------	--	-----	------	------	---	--------------	----------------	----



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Project: Irrigation Analysis
Project Number: Irrigation Analysis
Project Manager: Richie Lawrence

Reported:
08/12/2026 10:32

Sample Results

(Continued)

Sample Name: 7th Standard

Sampled Date - Time: 7/31/2026 9:30:00AM

Lab ID: 2607598-03

Matrix: Water

Sample Type: Grab

Analyte	Result	Qual	Report Limit	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials
---------	--------	------	-----------------	-----	-------	----------	------------------	--------	---------------------

Solids

Total Suspended Solids	13		2.5	0.33	mg/L	1	8/3/26 16:31	SM 2540 D-2015	TP
-------------------------------	-----------	--	-----	------	------	---	--------------	----------------	----

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

Zalco Laboratories, Inc. 4309 Armour Ave. Bakersfield CA 93308 (661) 395-0539



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Bakersfield, CA 93380

Project: Irrigation Analysis
Project Number: Irrigation Analysis
Project Manager: Richie Lawrence

Reported:
08/12/2026 10:32

Sample Results

(Continued)

Sample Name: CTI @ Zachary

Sampled Date - Time: 7/31/2026 9:50:00AM

Lab ID: 2607598-04

Matrix: Water

Sample Type: Grab

Analyte	Result	Qual	Report Limit	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials
---------	--------	------	-----------------	-----	-------	----------	------------------	--------	---------------------

Solids

Total Suspended Solids	ND		2.5	0.33	mg/L	1	8/3/26 16:31	SM 2540 D-2015	TP
------------------------	----	--	-----	------	------	---	--------------	----------------	----



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Project: Irrigation Analysis
Project Number: Irrigation Analysis
Project Manager: Richie Lawrence

Reported:
08/12/2026 10:32

Sample Results

(Continued)

Sample Name: Head of Beardsey

Sampled Date - Time: 7/31/2026 10:30:00AM

Lab ID: 2607598-05

Matrix: Water

Sample Type: Grab

Analyte	Result	Qual	Report Limit	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials
---------	--------	------	-----------------	-----	-------	----------	------------------	--------	---------------------

Solids

Total Suspended Solids	13		2.5	0.33	mg/L	1	8/3/26 16:31	SM 2540 D-2015	TP
-------------------------------	-----------	--	-----	------	------	---	--------------	----------------	----



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North Kern Water Storage District
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Project: Irrigation Analysis
Project Number: Irrigation Analysis
Project Manager: Richie Lawrence

Reported:
08/12/2026 10:32

Quality Control

Solids

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------

Batch: 6H00017 - WetChem

Blank (6H00017-BLK1)

Total Suspended Solids ND 2.5 mg/L Prepared & Analyzed: 8/3/2026

Duplicate (6H00017-DUP1)

Total Suspended Solids 13 2.5 mg/L 13 4.43 10 Prepared & Analyzed: 8/3/2026

Reference (6H00017-SRM1)

Total Suspended Solids 100 mg/L 100 99.8 70-130 Prepared & Analyzed: 8/3/2026



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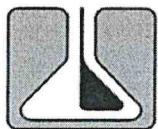
North Kern Water Storage District
P O BOX 81435
Bakersfield, CA 93380

Project: Irrigation Analysis
Project Number: Irrigation Analysis
Project Manager: Richie Lawrence

Reported:
08/12/2026 10:32

Notes and Definitions

Item	Definition
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

**ZALCO LABORATORIES, INC.**

Analytical and Consulting Services

www.zalcolabs.com

4309 Armour Avenue, Bakersfield, CA 93308

(661) 395-0539 FAX (661) 395-3069

North Kern Water Storage District
33380 Cawelo Ave.
Bakersfield, CA 93308

Laboratory No: 2607598-01
Date Received: 07/31/26
Analysis Date: 07/31/26
Date Reported: 08/12/26

Attention: Richie Lawrence

Sample Identification: Kimberlina
Sampled by: Client

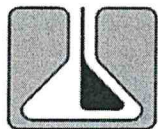
Date: 7/31/2026

Time: 8:05:00 AM

IRRIGATION WATER ANALYSIS

pH.....	7.98		
Specific Conductance	303	Specific Conductance (SC):.....	0.303
(micromhos/cm @ 25 C)		(millimhos/cm @ 25 C)	

Constituents	mg/L	meq/L
Calcium, Ca	22	1.1
Magnesium, Mg	1.8	0.15
Sodium, Na	28	1.20
Potassium, K	1.7	0.043
Alkalinity as:		
Hydroxide, OH	0.0	0
Carbonate, CO ₃	0.0	0
Bicarbonate, HCO ₃	54	0.88
Chloride, Cl	29	0.82
Sulfate, SO ₄	48	1
Nitrate, NO ₃	2.9	0.047
Totals (Sum)	166	5.2
Boron, B	< 0.10	
Total Dissolved Solids, (Gravimetric)	170	
Calculated Hardness, CaCO ₃	62	
Sodium Adsorption Ratio, SAR	1.50	
Exchangeable Sodium Percentage, ESP	0.9	
Cation/Anion Balance, %	8%	
Langelier Scale Index	-0.20	

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North Kern Water Storage District
33380 Cawelo Ave.
Bakersfield, CA 93308

Laboratory No: 2607598-02
Date Received: 07/31/26
Analysis Date: 07/31/26
Date Reported: 08/12/26

Attention: Richie Lawrence

Sample Identification: Stiff House
Sampled by: Client

Date: 7/31/2026

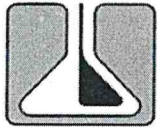
Time: 8:30:00 AM

IRRIGATION WATER ANALYSIS

pH.....	8.65		
Specific Conductance	380	Specific Conductance (SC):.....	0.380
(micromhos/cm @ 25 C)		(millimhos/cm @ 25 C)	

Constituents	mg/L	meq/L
Calcium, Ca	35	1.7
Magnesium, Mg	3.0	0.25
Sodium, Na	31	1.30
Potassium, K	2.1	0.054
Alkalinity as:		
Hydroxide, OH	0.0	0
Carbonate, CO ₃	7.8	0.26
Bicarbonate, HCO ₃	67	1.1
Chloride, Cl	31	0.87
Sulfate, SO ₄	57	1.2
Nitrate, NO ₃	11	0.18
Totals (Sum)	215	6.9
Boron, B	< 0.10	
Total Dissolved Solids, (Gravimetric)	230	
Calculated Hardness, CaCO ₃	100	
Sodium Adsorption Ratio, SAR	1.40	
Exchangeable Sodium Percentage, ESP	0.8	
Cation/Anion Balance, %	5%	

Langelier Scale Index 0.80

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North Kern Water Storage District
33380 Cawelo Ave.
Bakersfield, CA 93308

Laboratory No: 2607598-03
Date Received: 07/31/26
Analysis Date: 07/31/26
Date Reported: 08/12/26

Attention: Richie Lawrence

Sample Identification: 7th Standard
Sampled by: Client

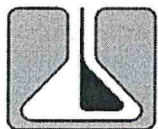
Date: 7/31/2026

Time: 9:30:00 AM

IRRIGATION WATER ANALYSIS

pH.....	7.93		
Specific Conductance	129	Specific Conductance (SC):.....	0.129
(micromhos/cm @ 25 C)		(millimhos/cm @ 25 C)	

Constituents	mg/L	meq/L
Calcium, Ca	11	0.6
Magnesium, Mg	1.8	0.15
Sodium, Na	8.8	0.38
Potassium, K	1.6	0.041
Alkalinity as:		
Hydroxide, OH	0.0	0
Carbonate, CO ₃	0.0	0
Bicarbonate, HCO ₃	58	0.95
Chloride, Cl	4.1	0.12
Sulfate, SO ₄	7.4	0.15
Nitrate, NO ₃	< 1	0
Totals (Sum)	70	2.3
Boron, B	< 0.10	
Total Dissolved Solids, (Gravimetric)	67	
Calculated Hardness, CaCO ₃	35	
Sodium Adsorption Ratio, SAR	0.60	
Exchangeable Sodium Percentage, ESP	-0.4	
Cation/Anion Balance, %	11%	
Langelier Scale Index	-0.50	

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North Kern Water Storage District
33380 Cawelo Ave.
Bakersfield, CA 93308

Laboratory No: 2607598-04
Date Received: 07/31/26
Analysis Date: 07/31/26
Date Reported: 08/12/26

Attention: Richie Lawrence

Sample Identification: CT 1 @ Zachary
Sampled by: Client

Date: 7/31/2026

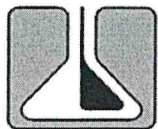
Time: 9:50:00 AM

IRRIGATION WATER ANALYSIS

pH.....	8.25		
Specific Conductance	223	Specific Conductance (SC):.....	0.223
(micromhos/cm @ 25 C)		(millimhos/cm @ 25 C)	

Constituents	mg/L	meq/L
Calcium, Ca	16	0.8
Magnesium, Mg	1.8	0.15
Sodium, Na	20	0.87
Potassium, K	1.6	0.041
Alkalinity as:		
Hydroxide, OH	0.0	0
Carbonate, CO ₃	0.0	0
Bicarbonate, HCO ₃	56	0.92
Chloride, Cl	16	0.45
Sulfate, SO ₄	34	0.71
Nitrate, NO ₃	< 1	0
Totals (Sum)	123	3.9
Boron, B	0.11	
Total Dissolved Solids, (Gravimetric)	150	
Calculated Hardness, CaCO ₃	47	
Sodium Adsorption Ratio, SAR	1.30	
Exchangeable Sodium Percentage, ESP	0.7	
Cation/Anion Balance, %	9%	

Langelier Scale Index -0.05

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North Kern Water Storage District
33380 Cawelo Ave.
Bakersfield, CA 93308

Laboratory No: 2607598-05
Date Received: 07/31/26
Analysis Date: 07/31/26
Date Reported: 08/12/26

Attention: Richie Lawrence

Sample Identification: Head of Beardsley
Sampled by: Client Date: 7/31/2026 Time: 10:30:00 AM

IRRIGATION WATER ANALYSIS

pH.....	7.95		
Specific Conductance	130	Specific Conductance (SC):.....	0.130
(micromhos/cm @ 25 C)		(millimhos/cm @ 25 C)	

Constituents	mg/L	meq/L
Calcium, Ca	11	0.6
Magnesium, Mg	1.9	0.16
Sodium, Na	8.8	0.38
Potassium, K	1.6	0.041
Alkalinity as:		
Hydroxide, OH	0.0	0
Carbonate, CO ₃	0.0	0
Bicarbonate, HCO ₃	49	0.8
Chloride, Cl	4.0	0.11
Sulfate, SO ₄	7.3	0.15
Nitrate, NO ₃	< 1	0
Totals (Sum)	65	2.2
Boron, B	< 0.10	
Total Dissolved Solids, (Gravimetric)	77	
Calculated Hardness, CaCO ₃	35	
Sodium Adsorption Ratio, SAR	0.60	
Exchangeable Sodium Percentage, ESP	-0.4	
Cation/Anion Balance, %	5%	

Langelier Scale Index -0.56

Sample Receipt Checklist

COC ID: 2607598Checklist Completed: AMCDate/Time: 7/31/24

Page

1 of 1

Sample Transport: GLS FEDEX UPS WALK-IN FIELD REP OTHER

Was temperature within range?

Chemistry $\leq 6^{\circ}\text{C}$ Micro $\leq 10^{\circ}\text{C}$ Shipping container intact? NA

Chain of Custody present?

Chain of Custody agrees with sample labels?

Chain of Custody filled out completely?

Zero headspace in VOA? NA

Samples received on:

Ice

Blue Ice

No Ice

Temperature Received: (A) 12.0 $^{\circ}\text{C}$ /(C) 11.9 $^{\circ}\text{C}$ Thermometer ID: C8201

If any discrepancies, a response must be detailed below:

Sample Containers	Sample Numbers									
	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
100PU										
500PU										
1LPU	2	2	2	2	2					
2LPU										
250APU										
500APU										
1LAPU										
100PHNO3										
500PHNO3										
500PH2SO4										
500PNaOH										
500PZnNaOH										
125AGU										
250AGU										
500AGU										
1LAGU										
250AGNH4CI										
1LAGHCI										
1LAGH2SO4										
1LAGTHIO										
4OGU										
8OGU										
16OGU										
1LGU										
1LMJ										
2LMJ										
VOAU										
VOAHCI										
VOATHIO										
VOAAH3PO4										
100THIO(Bacti)										
1LMU										
2LMU										
20VIAL										
GC300										
GC500										
GC1000										
PB										
SLEEVE										
TED										
HOST										
OTHER										



BSK Associates Bakersfield
4820 Rosedale Ln
Bakersfield, CA 93314
661-327-0671 (Main)

BJH0057

8/11/2026

Invoice: BJ04228

Andrea Magana
Zalco Laboratories
4309 Armour Avenue
Bakersfield, CA 93308

RE: Report for BJH0057 General

Dear Andrea Magana,

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 8/4/2026. 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 2016 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 Client Services Representative, Misty Orton, at 661-327-0671.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Misty Orton', is written over a light yellow rectangular background.

Misty Orton, Project Manager

Case Narrative

Project and Report Details

Client: Zalco Laboratories
Report To: Andrea Magana
Project #: 2607598
Received: 8/04/2026 - 09:20
Report Due: 8/11/2026

Invoice Details

Invoice To: Zalco Laboratories
Invoice Attn: Andrea Magana
Project PO#: -

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 1.3

Containers Intact
COC/Labels Agree
Received On Blue Ice
Packing Material - Other
Sample(s) were received in temperature range.
Initial receipt at BSK-BAL

Data Qualifiers

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

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Andrea Magana	FINAL.RPT	Julian@zalcolabs.com
Ashlee Gonzalez	FINAL.RPT	admin@zalcolabs.com



BJH0057

General

2607598

Certificate of Analysis

Sample ID: BJH0057-01

Sampled By: Client

Sample Description: 2607598-01

Sample Date - Time: 07/31/2026 - 08:05

Matrix: Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Arsenic	EPA 200.8	4.1	2.0	ug/L	1	AJH0446	08/07/26	08/10/26	



BJH0057

General

2607598

Certificate of Analysis

Sample ID: BJH0057-02

Sampled By: Client

Sample Description: 2607598-02

Sample Date - Time: 07/31/2026 - 08:20

Matrix: Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Arsenic	EPA 200.8	3.1	2.0	ug/L	1	AJH0446	08/07/26	08/10/26	



BJH0057

General

2607598

Certificate of Analysis

Sample ID: BJH0057-03

Sampled By: Client

Sample Description: 2607598-03

Sample Date - Time: 07/31/2026 - 09:30

Matrix: Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Arsenic	EPA 200.8	4.2	2.0	ug/L	1	AJH0446	08/07/26	08/10/26	



BJH0057

General

2607598

Certificate of Analysis

Sample ID: BJH0057-04

Sampled By: Client

Sample Description: 2607598-04

Sample Date - Time: 07/31/2026 - 09:50

Matrix: Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Arsenic	EPA 200.8	4.3	2.0	ug/L	1	AJH0446	08/07/26	08/10/26	



BJH0057

General

2607598

Certificate of Analysis

Sample ID: BJH0057-05

Sampled By: Client

Sample Description: 2607598-05

Sample Date - Time: 07/31/2026 - 10:30

Matrix: Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Arsenic	EPA 200.8	4.5	2.0	ug/L	1	AJH0446	08/07/26	08/10/26	

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: AJH0446

Prepared: 8/7/2026

Prep Method: EPA 200.2

Analyst: KME

Blank (AJH0446-BLK1)

Arsenic	ND	2.0	ug/L							08/10/26
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Blank Spike (AJH0446-BS1)

Arsenic	230	2.0	ug/L	240	ND	94	85-115			08/10/26
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Blank Spike Dup (AJH0446-BSD1)

Arsenic	230	2.0	ug/L	240	ND	95	85-115	1	20	08/10/26
---------	-----	-----	------	-----	----	----	--------	---	----	----------

Matrix Spike (AJH0446-MS1), Source: AJH0471-01

Arsenic	240	2.0	ug/L	240	16	94	70-130			08/10/26
---------	-----	-----	------	-----	----	----	--------	--	--	----------

Matrix Spike (AJH0446-MS2), Source: SJH0162-01

Arsenic	230	2.0	ug/L	240	ND	96	70-130			08/10/26
---------	-----	-----	------	-----	----	----	--------	--	--	----------

Matrix Spike Dup (AJH0446-MSD1), Source: AJH0471-01

Arsenic	240	2.0	ug/L	240	16	95	70-130	1	20	08/10/26
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Matrix Spike Dup (AJH0446-MSD2), Source: SJH0162-01

Arsenic	230	2.0	ug/L	240	ND	94	70-130	2	20	08/10/26
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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.
- 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.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

Certificate of Analysis

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.

The following parameters are not available for certification through CA ELAP:

Odor Diisopropyl ether (DIPE) by EPA 524.2

Certificate of Analysis

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

Bakersfield

State of California - ELAP 1180-S3

Fresno

State of California - ELAP 1180

Los Angeles CSD 9254479

State of Nevada NV-C26-00129

EPA UCMR5 CA00079

State of Hawaii 4021

NELAP certified 4021-027

State of Oregon - NELAP 4021-027

State of Washington C997-26a

Sacramento

State of California - ELAP 1180-S1

San Bernardino

State of California - ELAP 1180-S2

NELAP certified 4119-010

Los Angeles CSD 9254478

State of Oregon - NELAP 4119-010

Vancouver

NELAP certified WA100008-022

State of Washington C824-25

State of Oregon - NELAP WA100008-022



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Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info		Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$		Yes	No	NA	Were correct containers and preservatives received for the tests requested?		Yes	No
COC Info	If samples were taken today, is there evidence that chilling has begun?	Yes	No	NA	Yes	No	NA	Bubbles Present VOAs (VOCs/THM/TCP)?	Yes	No
	Did all bottles arrive unbroken and intact?	Yes	No	NA	Yes	No	NA	TB Received?	Yes	No
	Did all bottle labels agree with COC?	Yes	No	NA	Yes	No	NA	Was a sufficient amount of sample received?	Yes	No
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes	No	NA	Yes	No	NA	Do samples have a hold time <72 hours?	Yes	No
	Was PM notified of discrepancies?	Yes	No	NA	PM:	dt:	email	scan	copy	Yes
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) 125ml(D)	Checks*	Passed?							
	Bacti Na ₂ S ₂ O ₃	—	—							
	None (P) White Label	—	—							
	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 Label or HCl (P) Purple Cap/Lt. Blue Label	—	—							
	H ₂ SO ₄ (P) or (AG) Yellow Label	pH < 2	P F							
	NaOH (P) Green Cap/Label	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	—	—							
	HCl (AG) Lt. Blue Label O&G, Diesel	—	—							
	Ascorbic, EDTA, KH ₂ Ct (AG) Pink Label 525	—	—							
	Na ₂ SO ₃ (AG) Neon Green Label 515	—	—							
	Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549	—	—							
	Na ₂ S ₂ O ₃ (AG) Blue Label 548	—	—							
	Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547	—	—							
	Na ₂ S ₂ O ₃ + MCAA (CG) Orange Label 531	pH < 3	P F							
	NH ₄ Cl (AG) Purple Label 552	—	—							
	EDA (P) or (AG) Brown Label DBPs	—	—							
	HCL (CG) BTEX, Gas, MTBE, 8260/624	—	—							
	Ascorbic Acid (AG) TCP DWRL	—	—							
	Maleic + Ascorbic (AG) 524.4 & THM	—	—							
	Buffer pH 4 (CG)	—	—							
	H ₃ PO ₄ (CG) Salmon Label	—	—							
	Trizma - EPA 537.1 Light Blue Label FB	---	---							
	Ammonia Acetate - EPA 533 Purple Label FB	---	---							
	Bottle Water	—	—							
	Clear Glass: Jar / VOA	—	—							
OTHER:	—	—								
Split	Container	Preservative	Lot #	Initials	Date/Time	Preservation Check				
	S P					pH Lot #				
Comments	S P					CI Lot #				
	*Preservation check completed by lab performing analysis.				Labeled by:			Checked by:		

Scanned: _____ Rush/Short HT Page: _____ Time: _____

SUBCONTRACT ORDER

Zalco Laboratories, Inc

2607598

BJH0057 Zalco0539 08/04/2026



10

SENDING LABORATORY:

Zalco Laboratories, Inc
4309 Armour Ave
Bakersfield, CA 93308
Phone: 661.395.0539
Fax: N/A
Project Manager: Juan Magana

RECEIVING LABORATORY:

BSK Analytical Laboratories
691 N. Laverne Avenue, Suite 101
Fresno, CA 93727
Phone : (559) 497-2888
Fax: (559) 485-6935

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 2607598-01	Water	Sampled:07/31/26 08:05		No EDT Needed
As-200.8	08/07/26 09:00	01/27/27 08:05		
Containers Supplied:				
Sample ID: 2607598-02	Water	Sampled:07/31/26 08:20		No EDT Needed
As-200.8	08/07/26 09:00	01/27/27 08:20		
Containers Supplied:				
Sample ID: 2607598-03	Water	Sampled:07/31/26 09:30		No EDT Needed
As-200.8	08/07/26 09:00	01/27/27 09:30		
Containers Supplied:				
Sample ID: 2607598-04	Water	Sampled:07/31/26 09:50		No EDT Needed
As-200.8	08/07/26 09:00	01/27/27 09:50		
Containers Supplied:				
Sample ID: 2607598-05	Water	Sampled:07/31/26 10:30		No EDT Needed
As-200.8	08/07/26 09:00	01/27/27 10:30		
Containers Supplied:				

Temp °C 1.3

Thermometer # 83

RUSH!

5 DAY

AMC 8/4/26 7:54 AM
Released By Date Received By Date 8-4-26 9:20

Released By Date Received By Date



SAMPLE TRANSIT ORDER

BJH0057

Misty Orton

Receipt temp @ FAL: 1.9 Thermometer/ IR Gun ID: 73SENDING LABORATORY:Project Manager: Misty Orton
E-mail: mistyo@bskassociates.comRECEIVING LABORATORY:BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)Turnaround (Days): Standard
QC Deliverables: I Std III IV

Client: Zalco Laboratories

Sample ID	Samp Desc	Sample Date
BJH0057-01	2607598-01	Client Matrix Drinking Water 07/31/2026 08:05
Lab Matrix:	Water	
Analysis:	Arsenic, CA DW ICPMS	
BJH0057-02	2607598-02	Client Matrix Drinking Water 07/31/2026 08:20
Lab Matrix:	Water	
Analysis:	Arsenic, CA DW ICPMS	
BJH0057-03	2607598-03	Client Matrix Drinking Water 07/31/2026 09:30
Lab Matrix:	Water	
Analysis:	Arsenic, CA DW ICPMS	
BJH0057-04	2607598-04	Client Matrix Drinking Water 07/31/2026 09:50
Lab Matrix:	Water	
Analysis:	Arsenic, CA DW ICPMS	
BJH0057-05	2607598-05	Client Matrix Drinking Water 07/31/2026 10:30
Lab Matrix:	Water	
Analysis:	Arsenic, CA DW ICPMS	

Containers Included

BJH0057-01	A	Z- 125mL P / HNO3
BJH0057-02	A	Z- 125mL P / HNO3
BJH0057-03	A	Z- 125mL P / HNO3
BJH0057-04	A	Z- 125mL P / HNO3
BJH0057-05	A	Z- 125mL P / HNO3

Released By	Date	Received By	Date
<u>M. Orton</u>	<u>8.4</u>	<u>Shabell</u>	<u>8.5.2026 e 1110</u>
Released By	Date	Received By	Date

SAMPLE TRANSIT INTEGRITY

BJH0057

BSK Bottles: Yes No

COC Info										
Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$				Yes No NA		Were correct containers and preservatives received for the tests requested?				Yes No
Did all bottles arrive unbroken and intact?				Yes No		Was PM notified of discrepancies?				Yes No <u>NA</u>
Was a sufficient amount of sample received?				Yes No		PM:				Email / Scanned / Copy
Do samples have a hold time < 72 hours?				Yes <u>No</u>		By/Date/Time				
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?				Yes No <u>NA</u>						
Bottles Received										
Thermometer/IR Gun ID 73					(If Applicable)					
Lab ID	Rec'd Temp C	Container	Checks	Passed?	Split/ Preserved (S / P)	Preservative/ Lot#	Date/Time	Initials		
BJH0057-01 A	1.9	Z- 125mL P / HNO3								
BJH0057-02 A	1.9	Z- 125mL P / HNO3								
BJH0057-03 A	1.9	Z- 125mL P / HNO3								
BJH0057-04 A	1.9	Z- 125mL P / HNO3								
BJH0057-05 A	1.9	Z- 125mL P / HNO3								
Comments:										

Preservation Check: Ph Lot# CI Lot#

Scanned By: [Signature] @ RUSH Paged By: [Signature] @

Relinquished By: ACA Relinquished Date/Time: 8/5/2026 11:46

BSK-SR-0008-00 Approved By L:IMS Admin 07/27/2026