Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

June 13, 2025

Richie Lawrence

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

RE: Irrigation Analysis

Zalco Work Order: 2506008
Zalco Project:

Enclosed are the results of analyses for samples received by our laboratory on 6/2/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Magana 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# 2506008

PO:
Project ID:

ANALYSIS REQUESTED

COMPANY: North Kern Water Storage District
CONTACT: Richie Lawrence
PHONE: 661-978-9182
ADDRESS: 33380 Cawelo Ave Bakersfield, CA 93308
E-MAIL: rlawrence@northkernwsd.com
SAMPLER (SIGNATURE): Jonathan

LAB #	SAMPLE DESCRIPTION	DATE SAMPLED	TIME SAMPLED	Irrigation	Tss	Arsenic						Sample Matrix	Type of Container (s)	Number of Containers	Chlorine Residual	Temperature °C
1	Kimberlina	6/2/25	7:47	X	X	X						WP	P	2	-	-
2	Stiff house	6/2/25	8:09	X	X	X						WP	P	2	-	-
3	7 Standard	6/2/25	8:37	X	X	X						WP	P	2	-	-
4	CJ1 @ Zachary	6/2/25	9:12	X	X	X						WP	P	2	-	-
5	head of Beardsly	6/2/25	10:00	X	X	X						WP	P	2	-	-

Turnaround Time:

Routine:	X	(10 Business Days)
Rush By:	5	Working Days
EDT:	NO	JN
CLIP: (DIST/PERSON)		
System#		
Client Declined State Submittal	X	JN
EMAIL:	X	

NOTES: 29.5

Relinquished By:	Company:	Date:	Time:	Received By:	Date:	Time:	Company:
Jonathan Nevarez	NKWSD	6-2-25	10:40	LWL	6-2-25	10:40	Zalco

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	Project: Irrigation Analysis	
P O BOX 81435	Project Number: Irrigation Analysis	**Reported:**
Bakersfield, CA 93380	Project Manager: Richie Lawrence	06/13/2025 17:12

Sample Results

Sample Name: **Kimberlina**
Lab ID: **2506008-01**

Sampled Date - Time: 6/2/2025 7:47:00AM
Matrix: Water
Sample Type: Grab

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Solids									
Total Suspended Solids	**10**	2.5	0.33	mg/L	1	6/6/25 13:00	SM 2540 D	JLB	

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P O BOX 81435	Project Number: Irrigation Analysis	**Reported:**
Bakersfield, CA 93380	Project Manager: Richie Lawrence	06/13/2025 17:12

Sample Results

(Continued)

Sample Name: **Stiff House** **Sampled Date - Time:** 6/2/2025 8:09:00AM

Matrix: Water

Lab ID: **2506008-02** **Sample Type:** Grab

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Solids									
Total Suspended Solids	**10**	2.5	0.33	mg/L	1	6/6/25 13:00	SM 2540 D	JLB	

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North Kern Water Storage District	Project: Irrigation Analysis	
P O BOX 81435	Project Number: Irrigation Analysis	**Reported:**
Bakersfield, CA 93380	Project Manager: Richie Lawrence	06/13/2025 17:12

Sample Results

(Continued)

Sample Name: **7th Standard** **Sampled Date - Time:** 6/2/2025 8:37:00AM

Matrix: Water

Lab ID: **2506008-03** **Sample Type:** Grab

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Solids									
Total Suspended Solids	**4.4**	2.5	0.33	mg/L	1	6/6/25 13:00	SM 2540 D	JLB	

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North Kern Water Storage District	Project: Irrigation Analysis	
P O BOX 81435	Project Number: Irrigation Analysis	**Reported:**
Bakersfield, CA 93380	Project Manager: Richie Lawrence	06/13/2025 17:12

Sample Results

(Continued)

Sample Name: **CT 1 @ Zachary**
Lab ID: **2506008-04**

Sampled Date - Time: 6/2/2025 9:12:00AM
Matrix: Water
Sample Type: Grab

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Solids									
Total Suspended Solids	ND	2.5	0.33	mg/L	1	6/6/25 13:00	SM 2540 D	JLB	

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North Kern Water Storage District	Project: Irrigation Analysis	
P O BOX 81435	Project Number: Irrigation Analysis	**Reported:**
Bakersfield, CA 93380	Project Manager: Richie Lawrence	06/13/2025 17:12

Sample Results

(Continued)

Sample Name: **Head of Beardsley**
Lab ID: **2506008-05**

Sampled Date - Time: 6/2/2025 10:00:00AM
Matrix: Water
Sample Type: Grab

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Solids									
Total Suspended Solids	**6.4**	2.5	0.33	mg/L	1	6/6/25 13:00	SM 2540 D	JLB	

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North Kern Water Storage District	Project: Irrigation Analysis	
P O BOX 81435	Project Number: Irrigation Analysis	**Reported:**
Bakersfield, CA 93380	Project Manager: Richie Lawrence	06/13/2025 17:12

Quality Control

Solids

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: 5F00177 - WetChem										
Blank (5F00177-BLK1)					Prepared & Analyzed: 6/6/2025					
Total Suspended Solids	ND		2.5	mg/L						
Duplicate (5F00177-DUP1)		**Source: 2506003-01**			Prepared & Analyzed: 6/6/2025					
Total Suspended Solids	8.4		2.5	mg/L		4.4			62.5	10
Reference (5F00177-SRM1)					Prepared & Analyzed: 6/6/2025					
Total Suspended Solids	91			mg/L	100		90.6	70-130		

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North Kern Water Storage District	Project: Irrigation Analysis	
P O BOX 81435	Project Number: Irrigation Analysis	**Reported:**
Bakersfield, CA 93380	Project Manager: Richie Lawrence	06/13/2025 17:12

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.

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

Attention: Richie Lawrence

Laboratory No:	2506008-01
Date Received:	06/02/25
Analysis Date:	06/03/25
Date Reported:	06/13/25

Sample Identification: Kimberlina
Sampled by: Jonathan Nevares Date: 6/2/2025 Time: 7:47:00 AM

IRRIGATION WATER ANALYSIS

pH..... 7.16
Specific Conductance ..... 326 (micromhos/cm @ 25 C)
Specific Conductance (SC):..... 0.326 *(millimhos/cm @ 25 C)*

Constituents	mg/L	meq/L
Calcium, Ca	25	1.2
Magnesium, Mg	1.8	0.15
Sodium, Na	29	1.30
Potassium, K	1.9	0.049
Alkalinity as:		
Hydroxide, OH	0.0	0
Carbonate, CO3	0.0	0
Bicarbonate, HCO3	48	0.79
Chloride, Cl	39	1.1
Sulfate, SO4	46	0.96
Nitrate, NO3	5.3	0.085
Totals (Sum)	177	5.6
Boron, B	< 0.10	
Total Dissolved Solids, (Gravimetric)	190	
Calculated Hardness, CaCO3	70	
Sodium Adsorption Ratio, SAR	1.5	
Exchangeable Sodium Percentage, ESP	0.9	
Cation/Anion Balance, %	7%	
Langelier Scale Index	-1.02	

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Bakersfield, CA 93308

Attention: Richie Lawrence

Laboratory No:	2506008-02
Date Received:	06/02/25
Analysis Date:	06/03/25
Date Reported:	06/13/25

Sample Identification: Stiff House
Sampled by: Jonathan Nevares Date: 6/2/2025 Time: 8:09:00 AM

IRRIGATION WATER ANALYSIS

pH..... 8.11
Specific Conductance ..... 323 (micromhos/cm @ 25 C)
Specific Conductance (SC):..... 0.323 *(millimhos/cm @ 25 C)*

Constituents	mg/L	meq/L
Calcium, Ca	27	1.3
Magnesium, Mg	2.6	0.21
Sodium, Na	25	1.10
Potassium, K	2.0	0.051
Alkalinity as:		
Hydroxide, OH	0.0	0
Carbonate, CO3	0.0	0
Bicarbonate, HCO3	70	1.14
Chloride, Cl	24	0.68
Sulfate, SO4	41	0.85
Nitrate, NO3	6.9	0.11
Totals (Sum)	170	5.4
Boron, B	< 0.10	
Total Dissolved Solids, (Gravimetric)	210	
Calculated Hardness, CaCO3	78	
Sodium Adsorption Ratio, SAR	1.2	
Exchangeable Sodium Percentage, ESP	0.5	
Cation/Anion Balance, %	4%	
Langelier Scale Index	0.12	

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Bakersfield, CA 93308

Attention: Richie Lawrence

Laboratory No:	2506008-03
Date Received:	06/02/25
Analysis Date:	06/03/25
Date Reported:	06/13/25

Sample Identification: 7th Standard
Sampled by: Jonathan Nevares Date: 6/2/2025 Time: 8:37:00 AM

IRRIGATION WATER ANALYSIS

pH..... 7.50
Specific Conductance ..... 323 (micromhos/cm @ 25 C)
Specific Conductance (SC):..... 0.323 *(millimhos/cm @ 25 C)*

Constituents	mg/L	meq/L
Calcium, Ca	9.4	0.5
Magnesium, Mg	1.7	0.14
Sodium, Na	8.5	0.37
Potassium, K	1.7	0.043
Alkalinity as:		
Hydroxide, OH	0.0	0
Carbonate, CO3	0.0	0
Bicarbonate, HCO3	55	0.89
Chloride, Cl	4.2	0.12
Sulfate, SO4	7.2	0.15
Nitrate, NO3	< 0.5	0
Totals (Sum)	66	2.2
Boron, B	< 0.10	
Total Dissolved Solids, (Gravimetric)	120	
Calculated Hardness, CaCO3	30	
Sodium Adsorption Ratio, SAR	0.7	
Exchangeable Sodium Percentage, ESP	-0.2	
Cation/Anion Balance, %	13%	
Langelier Scale Index	-1.04	

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

Attention: Richie Lawrence

Laboratory No:	2506008-04
Date Received:	06/02/25
Analysis Date:	06/03/25
Date Reported:	06/13/25

Sample Identification: CT 1 Zachary
Sampled by: Jonathan Nevares Date: 6/2/2025 Time: 9:12:00 AM

IRRIGATION WATER ANALYSIS

pH..... 8.42
Specific Conductance ..... 304 (micromhos/cm @ 25 C)
Specific Conductance (SC):..... 0.304 *(millimhos/cm @ 25 C)*

Constituents	mg/L	meq/L
Calcium, Ca	12	0.6
Magnesium, Mg	< 0.1	0
Sodium, Na	41	1.80
Potassium, K	1.0	0.026
Alkalinity as:		
Hydroxide, OH	0.0	0
Carbonate, CO3	0.0	0
Bicarbonate, HCO3	61	1.01
Chloride, Cl	24	0.68
Sulfate, SO4	41	0.85
Nitrate, NO3	0.9	0.015
Totals (Sum)	157	5.0
Boron, B	< 0.10	
Total Dissolved Solids, (Gravimetric)	170	
Calculated Hardness, CaCO3	30	
Sodium Adsorption Ratio, SAR	3.2	
Exchangeable Sodium Percentage, ESP	3.3	
Cation/Anion Balance, %	6%	
Langelier Scale Index	0.03	

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Bakersfield, CA 93308

Attention: Richie Lawrence

Laboratory No:	2506008-05
Date Received:	06/02/25
Analysis Date:	06/03/25
Date Reported:	06/13/25

Sample Identification: Head of Beardsley
Sampled by: Jonathan Nevares Date: 6/2/2025 Time: 10:00:00 AM

IRRIGATION WATER ANALYSIS

pH..... 7.60
Specific Conductance ..... 123 (micromhos/cm @ 25 C)
Specific Conductance (SC):..... 0.123 *(millimhos/cm @ 25 C)*

Constituents	mg/L	meq/L
Calcium, Ca	10	0.5
Magnesium, Mg	1.8	0.15
Sodium, Na	8.7	0.38
Potassium, K	1.8	0.046
Alkalinity as:		
Hydroxide, OH	0.0	0
Carbonate, CO3	0.0	0
Bicarbonate, HCO3	49	0.81
Chloride, Cl	3.4	0.096
Sulfate, SO4	6.8	0.14
Nitrate, NO3	0.5	0.0084
Totals (Sum)	62	2.1
Boron, B	< 0.10	
Total Dissolved Solids, (Gravimetric)	100	
Calculated Hardness, CaCO3	32	
Sodium Adsorption Ratio, SAR	0.7	
Exchangeable Sodium Percentage, ESP	-0.2	
Cation/Anion Balance, %	7%	
Langelier Scale Index	-0.97	

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

BIF0050
6/09/2025
Invoice: BI00985

Andrea Magana
Zalco Laboratories
4309 Armour Avenue
Bakersfield, CA 93308

RE: Report for BIF0050 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 6/3/2025. 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.

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,

Misty Orton, Project Manager

Case Narrative

Project and Report Details		Invoice Details	
Client:	Zalco Laboratories	**Invoice To:**	Zalco Laboratories
Report To:	Andrea Magana	**Invoice Attn:**	Andrea Magana
Project #:	2506008	**Project PO#:**	-
Received:	6/03/2025 - 10:50		
Report Due:	6/09/2025		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt ºC: 4.1

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	jmagana@zalcolabs.com;Julian@zalcolabs.com
Ashlee Gonzalez	FINAL.RPT	admin@zalcolabs.com

Certificate of Analysis

Sample ID: BIF0050-01
Sampled By: Client
Sample Description: 2506008-01 // Non Potable

Sample Date - Time: 06/02/2025 - 07:47
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	**2.3**	2.0	ug/L	1	AIF0187	06/04/25	06/04/25	

Certificate of Analysis

Sample ID: BIF0050-02
Sampled By: Client
Sample Description: 2506008-02 // Non Potable

Sample Date - Time: 06/02/2025 - 08:09
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	**3.5**	2.0	ug/L	1	AIF0187	06/04/25	06/04/25	

Certificate of Analysis

Sample ID: BIF0050-03
Sampled By: Client
Sample Description: 2506008-03 // Non Potable

Sample Date - Time: 06/02/2025 - 08:37
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	**3.7**	2.0	ug/L	1	AIF0187	06/04/25	06/04/25	

Certificate of Analysis

Sample ID: BIF0050-04
Sampled By: Client
Sample Description: 2506008-04 // Non Potable

Sample Date - Time: 06/02/2025 - 09:12
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	**4.0**	2.0	ug/L	1	AIF0187	06/04/25	06/04/25	

Certificate of Analysis

Sample ID: BIF0050-05
Sampled By: Client
Sample Description: 2506008-05 // Non Potable

Sample Date - Time: 06/02/2025 - 10:00
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	**3.6**	2.0	ug/L	1	AIF0191	06/04/25	06/04/25	

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: AIF0187										Prepared: 6/4/2025	
Prep Method: EPA 200.2										Analyst: AHS	
Blank (AIF0187-BLK1)											
Arsenic	ND	2.0	ug/L							06/04/25	
Blank Spike (AIF0187-BS1)											
Arsenic	240	2.0	ug/L	240	ND	98	85-115			06/04/25	
Blank Spike Dup (AIF0187-BSD1)											
Arsenic	230	2.0	ug/L	240	ND	97	85-115	1	20	06/04/25	
Matrix Spike (AIF0187-MS1), Source: AIF0146-01											
Arsenic	240	2.0	ug/L	240	7.5	97	70-130			06/04/25	
Matrix Spike (AIF0187-MS2), Source: BIF0041-01											
Arsenic	250	2.0	ug/L	240	2.8	103	70-130			06/04/25	
Matrix Spike Dup (AIF0187-MSD1), Source: AIF0146-01											
Arsenic	240	2.0	ug/L	240	7.5	95	70-130	2	20	06/04/25	
Matrix Spike Dup (AIF0187-MSD2), Source: BIF0041-01											
Arsenic	240	2.0	ug/L	240	2.8	100	70-130	3	20	06/04/25	
EPA 200.8 - Quality Control											
Batch: AIF0191										Prepared: 6/4/2025	
Prep Method: EPA 200.2										Analyst: AHS	
Blank (AIF0191-BLK1)											
Arsenic	ND	2.0	ug/L							06/04/25	
Blank Spike (AIF0191-BS1)											
Arsenic	240	2.0	ug/L	240	ND	99	85-115			06/04/25	
Blank Spike Dup (AIF0191-BSD1)											
Arsenic	230	2.0	ug/L	240	ND	95	85-115	3	20	06/04/25	
Matrix Spike (AIF0191-MS1), Source: VIE0548-01											
Arsenic	230	2.0	ug/L	240	ND	97	70-130			06/04/25	
Matrix Spike Dup (AIF0191-MSD1), Source: VIE0548-01											
Arsenic	240	2.0	ug/L	240	ND	100	70-130	3	20	06/04/25	

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	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-024
State of Nevada	NV-C24-00233	State of Oregon - NELAP	4021-024
EPA UCMR5	CA00079	State of Washington	C997-25

Sacramento

State of California - ELAP	1180-S1

San Bernardino

State of California - ELAP	1180-S2	Los Angeles CSD	9254478
NELAP certified	4119-009	State of Oregon - NELAP	4119-009

Vancouver

NELAP certified	WA100008-020	State of Oregon - NELAP	WA100008-020
State of Washington	C824-24		

BIF0050 Zalco0539 06/03/2025

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
If samples were taken today, is there evidence that chilling has begun?	(Yes) No NA	Bubbles Present VOAs (524.2/TTHM/TCP)? 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 (NA)	Was PM notified of discrepancies? PM: dt: email scan copy	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?	1-5				
Bacti $Na_2S_2O_3$	—	—					
None (P) White Label	—	—					
Cr6 (P) Lt. Green Label/Blue Cap NH4OH(NH4)2SO4 **DW**	Cl, pH > 8	P F					
Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)2SO4 **WW**	pH 9.3-9.7	P F					
Cr6 (P) Black Label/Blue Cap NH4OH(NH4)2SO4 **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	—	—	1D				
H_2SO_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				MIR	
Dissolved Oxygen 300ml (g)	—	—				6.3.25	
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—					
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 (P) or (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 Light Blue Label **FB**	---	---					
Ammonia Acetate - EPA 533 Purple Label **FB**	---	---					
Bottled Water	—	—					
Clear Glass: Jar / VOA	—	—					
OTHER:	—	—					
OTHER:	—	—					

Split

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

Preservation Check
pH Lot #
Cl Lot #

Comments

***Preservation check completed by lab performing analysis.**

✓ **Indicates Blanks Received**

504 ___ 524.2 ___ TTHM ___ 537/533 ___ TCP___

✓ **MS/MSD Received Method:** _____

Labeled by: **Checked by:**

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

SUBCONTRACT ORDER

Zalco Laboratories, Inc

2506008

BIF0050 Zalco0539 06/03/2025 4

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

Non Potable
NO EDT Needed

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 2506008-01	**Water**	**Sampled:06/02/25 07:47**		**Non Potable**
As-200.8	06/09/25 09:00	11/29/25 07:47		
Containers Supplied:				
Sample ID: 2506008-02	**Water**	**Sampled:06/02/25 08:09**		**Non Potable**
As-200.8	06/09/25 09:00	11/29/25 08:09		
Containers Supplied:				
Sample ID: 2506008-03	**Water**	**Sampled:06/02/25 08:37**		**Non Potable**
As-200.8	06/09/25 09:00	11/29/25 08:37		
Containers Supplied:				
Sample ID: 2506008-04	**Water**	**Sampled:06/02/25 09:12**		**Non Potable**
As-200.8	06/09/25 09:00	11/29/25 09:12		
Containers Supplied:				
Sample ID: 2506008-05	**Water**	**Sampled:06/02/25 10:00**		**Non Potable**
As-200.8	06/09/25 09:00	11/29/25 10:00		
Containers Supplied:				

Temp. 4.1
#05

RUSH!
4 day

Released By	Date	Received By	Date
LNL	6-2-25		
Andrea M	6/3/25		6.3.25 1050

WI - BI Ø

SAMPLE TRANSIT ORDER

BIF0050

Misty Orton

Receipt temp @ FAL: 3.3 Thermometer/ IR Gun ID: 83

SENDING LABORATORY:

RECEIVING LABORATORY:

BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

Project Manager: Misty Orton
E-mail: mistyo@bskassociates.com

Turnaround (Days): 4
QC Deliverables: I Std III IV

Client: Zalco Laboratories

Sample ID	Samp Desc	Comments	Sample Date
BIF0050-01	**2506008-01**	**Client Matrix** Drinking Water	**06/02/2025 07:47**
Lab Matrix:	Water	Non Potable	
	Analysis:		
	Arsenic, CA DW ICPMS		
BIF0050-02	**2506008-02**	**Client Matrix** Drinking Water	**06/02/2025 08:09**
Lab Matrix:	Water	Non Potable	
	Analysis:		
	Arsenic, CA DW ICPMS		
BIF0050-03	**2506008-03**	**Client Matrix** Drinking Water	**06/02/2025 08:37**
Lab Matrix:	Water	Non Potable	
	Analysis:		
	Arsenic, CA DW ICPMS		
BIF0050-04	**2506008-04**	**Client Matrix** Drinking Water	**06/02/2025 09:12**
Lab Matrix:	Water	Non Potable	
	Analysis:		
	Arsenic, CA DW ICPMS		
BIF0050-05	**2506008-05**	**Client Matrix** Drinking Water	**06/02/2025 10:00**
Lab Matrix:	Water	Non Potable	
	Analysis:		
	Arsenic, CA DW ICPMS		

Containers Included

BIF0050-01	A	Z- 125mL P / HNO3
BIF0050-02	A	Z- 125mL P / HNO3
BIF0050-03	A	Z- 125mL P / HNO3
BIF0050-04	A	Z- 125mL P / HNO3
BIF0050-05	A	Z- 125mL P / HNO3

Released By	Date	Received By	Date
Madeline White	6/3/25 1000		
Released By	Date	Received By	Date
			6-3-25 @ 1687

SAMPLE TRANSIT INTEGRITY

PM: Misty Orton

BIF0050
06/03/2025
Zalco0539
4

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
Did all bottles arrive unbroken and intact?	Yes No	Bubbles Present VOAs (524.2/TCP/TTHM)?	Yes No NA
Was a sufficient amount of sample received?	Yes No	TB Received? (Check Method Below)	Yes No NA
Do samples have a hold time <72 hours?	Yes No	Was PM notified of discrepancies? PM: By/Time:	Yes No NA
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	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?	15					
Bacti Na2S2O3	---	---						
None (P) White Cap	---	---						
Cr6 (P) Lt. Green Label/Blue Cap NH4OH(NH4)SO4 **DW**	Cl, pH> 8	P F						
Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)SO4 **WW**	pH 9.3 - 9.7	P F						
Cr6 (P) Black Label/Blue Cap NH4OH(NH4)SO4 **7199** *****24 HOUR HOLD TIME*****	pH 9.0 - 9.5	P F						
HNO3 (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label	---	---	10					
H2SO4 (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	---	---						
HCl (AG) Lt. Blue Label O&G, Diesel, **TCP**	---	---						
Ascorbic, EDTA, KH2Ct (AG) Pink Label 525	---	---						
Na2SO3 250ml (AG) Neon Green Label 515	---	---						
Na2S2O3 1 Liter (Brown P) 549	---	---						
Na2S2O3 (AG) Blue Label 548, THM, 524	---	---						
Na2S2O3 (CG) Blue Label 504, 505, 547	---	---						
Na2S2O3 + MCAA (CG) Orange Label 531	pH < 3	P F						
NH4Cl (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	---	---						
250mL P / Trizma 531.1	---	---						
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				S P			
S P				S P			

Comments

✓ **Indicates Blanks Received**

504_____524.2_____TCP_____

TTHM_____537_____8260/624_____

Preservation Check: pH Lot#_____ Cl Lot#_____

Labels Checked by: [illegible] @ 1657 Scanned by:_____@_____ RUSH Paged by:_____@_____