

**Annual Report - General Order No. R5-2007-0035**

*Reporting period 01/01/2023 to 12/31/2023.*

**DAIRY FACILITY INFORMATION**

**A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY:** Sierra Blanca Ranch #2

Physical address of dairy:

15010 5th AVE Number and Street	Hanford City	Kings County	93230 Zip Code
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Street and nearest cross street (if no address): \_\_\_\_\_

Date facility was originally placed in operation: 03/01/1990

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X028-X070-X007-XXXX

**B. OPERATORS**

TeVelde, Adam

Operator name: <u>TeVelde, Adam</u>	Telephone no.:	<u>(559) 410-3456</u>	
		Landline	Cellular
2911 Hanford-Armona RD Mailing Address Number and Street	Hanford City	CA	93230 State Zip Code

**This operator is responsible for paying permit fees.**

TeVelde, Jacob

Operator name: <u>TeVelde, Jacob</u>	Telephone no.:	<u>(559) 786-6757</u>	
		Landline	Cellular
2911 Hanford-Armona RD Mailing Address Number and Street	Hanford City	CA	93230 State Zip Code

**C. OWNERS**

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TeVelde, Adam

Legal owner name: TeVelde, Adam	Telephone no.:	(559) 410-3456
	Landline	Cellular
2911 Hanford-Armona RD	Hanford	CA
Mailing Address Number and Street	City	State
		Zip Code

**This owner is responsible for paying permit fees.**

TeVelde, Jacob

Legal owner name: TeVelde, Jacob	Telephone no.:	(559) 786-6757
	Landline	Cellular
2911 Hanford-Armona RD	Hanford	CA
Mailing Address Number and Street	City	State
		Zip Code

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**AVAILABLE NUTRIENTS****A. HERD INFORMATION**

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	1	0	123	107	0	0
Number under roof	0	0	0	0	0	0
Maximum number	1	0	130	115	0	0
Average number	1	0	123	107	0	0
Avg live weight (lbs)	1,400	0	1,000	750		

Predominant milk cow breed: Holstein

Average milk production: 75 pounds per cow per day

**B. MANURE GENERATED**

Total manure excreted by the herd: 2,342.69 tons per reporting period

Total nitrogen from manure: 22,170.05 lbs per reporting period

After ammonia losses (30% loss applied): 15,519.04 lbs per reporting period

Total phosphorus from manure: 3,751.99 lbs per reporting period

Total potassium from manure: 194.79 lbs per reporting period

Total salt from manure: 470.85 lbs per reporting period

**C. PROCESS WASTEWATER GENERATED**

Process wastewater generated: \_\_\_\_\_ gallons

Total nitrogen generated: \_\_\_\_\_ lbs

$$\begin{aligned}
 & 0 \text{ gallons applied} \\
 & + 0 \text{ gallons exported} \\
 & - 0 \text{ gallons imported} \\
 & = 0 \text{ gallons generated}
 \end{aligned}$$

Total phosphorus generated: \_\_\_\_\_ lbs

Total potassium generated: \_\_\_\_\_ lbs

Total salt generated: \_\_\_\_\_ lbs

**D. FRESH WATER SOURCES**

Source Description	Type
DW1	Ground water

**E. SUBSURFACE (TILE) DRAINAGE SOURCES**

No subsurface (tile) drainage sources entered.

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**F. NUTRIENT IMPORTS**

*No dry manure nutrient imports entered.*

*No process wastewater nutrient imports entered.*

*No commercial or other nutrient imports entered.*

**G. NUTRIENT EXPORTS**

*No solid nutrient exports entered.*

*No liquid nutrient exports entered.*

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**APPLICATION AREA**

**A. LIST OF LAND APPLICATION AREAS**

*No land application areas entered.*

Totals for areas that were used for application						
Totals for areas that were not used for application						
Land application area totals						

**B. CROPS AND HARVESTS**

*No application area fields entered.*

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**NUTRIENT BUDGET**

**A. LAND APPLICATIONS**

*No application area crops entered.*

**B. NUTRIENT BUDGET**

*No application area crops entered.*

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**NUTRIENT ANALYSES****A. MANURE ANALYSES****Manure**

Sample and source description: Manure

Sample date: 05/03/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 9.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,600.00	3,700.00	14,900.00	11,700.00	3,200.00	1,600.00	2,100.00	5,700.00		52.90
DL	500.00	200.00	200.00	100.00	100.00	100.00	100.00	100.00		0.10

**Manure**

Sample and source description: Manure

Sample date: 10/10/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 21.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	14,800.00	5,300.00	31,600.00							
DL	100.00	200.00	200.00							

**B. PROCESS WASTEWATER ANALYSES**

No process wastewater analyses entered.

**C. FRESH WATER ANALYSES**

DW1

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DW1

DW1

Sample description: DW1

Sample date: 11/30/2023      Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC ( $\mu$ mhos/cm)	TDS (mg/L)
Value			23.60								1,100.00	
DL			0.50								1.00	

**D. SOIL ANALYSES**

*No soil analyses entered.*

**E. PLANT TISSUE ANALYSES**

*No plant tissue analyses entered.*

**F. SUBSURFACE (TILE) DRAINAGE ANALYSES**

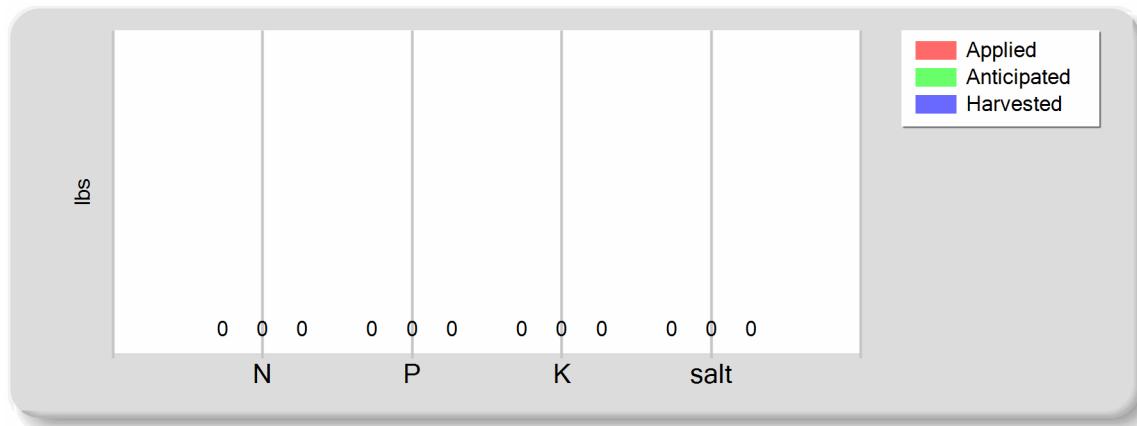
*No subsurface (tile) drainage analyses entered.*

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**NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE****A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE**

	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	0.00
Atmospheric deposition	0.00	0.00	0.00	0.00
Total nutrients applied	0.00	0.00	0.00	0.00
Anticipated crop nutrient removal	0.00	0.00	0.00	0.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	0.00	0.00	0.00	0.00
Applied to removed ratio	0.00	0.00	0.00	0.00

**B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL**

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**C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE**

**Pounds of nitrogen applied**

Existing soil nutrient content 0

Plowdown credit 0

Commercial fertilizer / Other 0

Dry manure 0

Process wastewater 0

Fresh water 0

Atmospheric deposition 0

lbs

**Pounds of phosphorus applied**

Existing soil nutrient content 0

Plowdown credit 0

Commercial fertilizer / Other 0

Dry manure 0

Process wastewater 0

Fresh water 0

Atmospheric deposition 0

lbs

**Pounds of potassium applied**

Existing soil nutrient content 0

Plowdown credit 0

Commercial fertilizer / Other 0

Dry manure 0

Process wastewater 0

Fresh water 0

Atmospheric deposition 0

lbs

**Pounds of salt applied**

Existing soil nutrient content 0

Plowdown credit 0

Commercial fertilizer / Other 0

Dry manure 0

Process wastewater 0

Fresh water 0

Atmospheric deposition 0

lbs

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**EXCEPTION REPORTING**

**A. MANURE, PROCESS WASTEWATER, AND OTHER DAIRY WASTE DISCHARGES**

The following is a summary of all manure and process wastewater discharges from the production area to surface water or to land areas (land application areas or otherwise) when not in accordance with the facility's Nutrient Management Plan.

*No manure or process wastewater discharges occurred during the reporting period.*

**B. STORM WATER DISCHARGES**

The following is a summary of all storm water discharges from the production area to surface water during the reporting period when not in accordance with the facility's Nutrient Management Plan.

*No stormwater discharges occurred during the reporting period.*

**C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES**

The following is a summary of all discharges from the land application area to surface water that have occurred during the reporting period when not in accordance with the facility's Nutrient Management Plan.

*No land application area to surface water discharges occurred during the reporting period.*

**NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS**

**A. NUTRIENT MANAGEMENT PLAN STATEMENTS**

Was the facility's NMP updated in the reporting period? Yes \_\_\_\_\_

Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? Yes \_\_\_\_\_

Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? Yes \_\_\_\_\_

**B. EXPORT AGREEMENT STATEMENT**

Are there any written agreements with third parties to receive manure or process wastewater that are new or were revised within the reporting period? No \_\_\_\_\_

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**ADDITIONAL NOTES**

**A. NOTES**

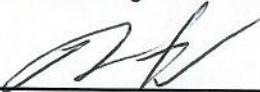
- No land attached to facility.
- No wastewater to sample in the lagoon

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**CERTIFICATION**

**A. OWNER AND/OR OPERATOR CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



SIGNATURE OF OWNER OF FACILITY

Adam TeVelde

PRINT OR TYPE NAME

6/13/24

DATE



SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

DATE

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**ATTACHMENTS**

**A. REQUIRED ATTACHMENTS**

The following lists the required documents that should be attached to the Annual Report when submitted .

**Annual Dairy Facility Assessment**

Provide an Annual Dairy Facility Assessment (an update to the Preliminary Dairy Facility Assessment in Attachment A) for each reporting period. On the PDFA Final page, click on the ADFA Report button to generate an ADFA report after updating information as needed.

**Manure/Process Wastewater Tracking Manifests**

Provide copies of all manure/process wastewater tracking manifests for the reporting period, signed by both the owner/operator and the hauler.

**Corrective Actions Documents**

Provide records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements of the General Order. Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.

**Groundwater Monitoring**

Dischargers that monitor supply wells or subsurface (tile) drainage systems, or that have monitoring well systems must submit monitoring results as directed in the General Order, Groundwater Reporting Section starting on page MRP-13.

**Storm Water Monitoring**

Dischargers that are required to monitor storm water more frequently than required in the General Order must submit monitoring results as directed in the General Order, Storm Water Reporting Section on page MRP-14.

December 13, 2023

**Lab No.** : VI 2348032  
**Customer No.** : 4019696

**Sentry Ag Services**  
Attn: Monique Baldivez  
P.O. Box 7750  
Visalia, CA 93290

## Laboratory Report

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

- |                 |          |   |
|-----------------|----------|---|
| Case Narrative  | (1 page) | : An overview of the work performed at FGL. |
| Sample Results  | (1 page) | : 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 No.	Matrix
DW1	11/30/2023	11/30/2023	VI 2348032-001	AGW

## Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. 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 associated Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

## Test Summary

SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

**Certification:** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. 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. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: JRD

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
Title: Laboratory Director  
Date: 2023-12-14

Section: Case Narrative

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Corporate Offices & Laboratory 853 Corporation Street Santa Paula, CA 93060 TEL: (805)392-2000 Env FAX: (805)525-4172 / Ag FAX: (805)392-2063 CA ELAP Certification No. 1573	Office & Laboratory 2500 Stagecoach Road Stockton, CA 95215 TEL: (209)942-0182 FAX: (209)942-0423 CA ELAP Certification No. 1563	Office & Laboratory 563 E. Lindo Avenue Chico, CA 95926 TEL: (530)343-5818 FAX: (530)343-3807 CA ELAP Certification No. 2670	Office & Laboratory 3442 Empressa Drive, Suite D San Luis Obispo, CA 93401 TEL: (805)783-2940 FAX: (805)783-2912 CA ELAP Certification No. 2775	Office & Laboratory 9415 W. Goshen Avenue Visalia, CA 93291 TEL: (559)734-9473 FAX: (559)734-8435 CA ELAP Certification No. 2810
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December 13, 2023

**Sentry Ag Services**

Attn: Monique Baldivez  
P.O. Box 7750  
Visalia, CA 93290

Description : DW1  
Project : Sierra Blanca 2

Lab No. : VI 2348032-001

Customer No.: 4019696

Sampled On : November 30, 2023 at 10:15

Sampled By : Jeremy DeRuiter

Received On : November 30, 2023 at 16:05

Matrix : Ag Water

**Sample Results - Inorganic**

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
<b>Dairy Analysis</b>													
Nitrate Nitrogen	23.6	0.4	mg/L		1		12/01/2023	12:15	lfs	SM 4500-NO3 F	12/01/2023	14:05	lfs
Conductivity	1100	1	umhos/cm		1		12/07/2023	07:47	krh	SM 4500-H+B	12/07/2023	13:24	krh

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

December 13, 2023  
**Sentry Ag Service**

Lab No. : VI 2348032  
Customer No. : 4019696

### Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
<b>Wet Chem</b>								
E. C.	2320B	(VI 2348017-001)	Dup	umhos/cm		0%	5	
Nitrate Nitrogen	4500NO3F	12/01/2023:213604LFS (SP 2319794-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609	ND 95.1% 92.4% 92.9% 0.3%	<0.4 80-120 66-125 66-125 ≤30.4	

#### Definition

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
- Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
- 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 analyted. 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.
- ND : Non-detect - Result was below the DQO listed for the analyte.

CLIENT DETAILS		SECTION I
Client:	<u>Sentry Ag</u>	
<input type="checkbox"/> New Customer	Customer Number:	<u>4019696</u>
Address:		
Phone:	Fax:	
E-Mail:		
Project name:	<u>Sierra Blanca 2</u>	
Contact person:		
Billing Information (if different from above)		
Name:		
Address:		
Phone:	Fax:	
E-Mail:		
Contact person:		
Purchase order/contract/FGL quote number:		
Pre Log Required: yes	Frequency:	Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Quarterly <input type="checkbox"/> Other <input type="checkbox"/>

SAMPLING	SECTION I
Sampler (s):	<u>Berney Del Norte</u>
Comp Sampler Set up Date:	_____ Time:
Time:	_____ Mileage:
Shipping Charge:	_____ Pickup Charge:

REPORT INFORMATION		SECTION III
<p>Rush Analysis (surcharge will apply):</p> <p><input type="checkbox"/> 5 Day   <input type="checkbox"/> 4 Day   <input type="checkbox"/> 3 Day   <input type="checkbox"/> 2 Day   <input type="checkbox"/> 24 hour</p> <p>Rush pre-approved by lab: _____</p> <p>Electronic Data Transfer: <input type="checkbox"/> yes   <input type="checkbox"/> no</p> <p>If yes, To: State _____ Client _____ Other _____</p> <p>Lab number: <u>2348022</u></p>		

CUSTODY				SECTION VI		
Relinquished by and subject to the terms and conditions on the reverse of this document:						
<i>As D/B/S</i>	Date: <u>11/30/23</u>	Time: <u>16:05</u>	Relinquished by:	<u>G1S</u>	Date: <u>12/1/23</u>	Time: <u>1143</u>
Received by: <i>DAT</i>	Date: <u>11/30/23</u>	Time: <u>1605</u>	Received by:	<u>CDA</u>	Date: <u>1</u>	Time: <u>4</u>
Relinquished by: <i>(A)T</i>	Date: <u>11/30/23</u>	Time: <u>1740</u>	Relinquished by:		Date:	Time:
Received by: <i>G1S</i>	Date: <u>11/30/23</u>	Time: <u>1740</u>	Received by:		Date:	Time:

### Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: CC CH STK VI

1. Number of ice chests/packages received: 1 Shipping tracking #(s): OTC

2. Temp IR Gun ID #: 4057

3. Were samples received on ice? Yes No Temps: 11.6°C /  /  /

Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

4. Do the number of bottles received agree with the COC?

Yes No N/A

5. Were samples received intact? (i.e. no broken bottles, leaks etc.)

Yes No

6. VOAs checked for Headspace?

Yes No (N/A)

7. Were all analyses within holding times at time of receipt?

Yes No

8. Verify sample date, time and sampler name

Yes No

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): ADH

### Sample Receipt at SP:

1. Number of ice chests/packages received: 1 Shipping tracking #(s): SGUSS3707 / 15

2. Temp IR Gun ID #: 1163

3. Were samples received on ice? Yes No Temps: 2 / 3 /  /  /   
Acceptable is above freezing to 6°C. If many packages are received at one time check for tests/H.T.'s/rushes/

4. Do the number of bottles received agree with the COC?

Yes No N/A

5. Were samples received intact? (i.e. no broken bottles, leaks etc.)

Yes No

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

### 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. Have rush or project due dates been checked and accepted?

Yes No N/A

6. Were all analyses within holding times at time of receipt?

Yes No

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): CDA

### Discrepancy 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:

(Please use the back of this sheet for additional comments or co

(4019696)  
Sentry Ag Service  
VI 2348032  
iv 12/01/2023 07:25:51  
  
UI 2348032