



Livingston Dairy Consulting, Inc.

1635 E. Prosperity Ave., Ste B, Tulare
559-687-1440

**Teunissen Ranch #2
18943 Road 32 - Tulare, CA 93274**

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Annual Report | | | |
| <input type="checkbox"/> Production & Land Application Map | | | |
| <input type="checkbox"/> Waste Management Plan (WMP) | | | |
| <input checked="" type="checkbox"/> Water Analysis Samples | | | |
| <input type="checkbox"/> CCA Certified Nutrient Management Plan (on-site) | | | |
| <input type="checkbox"/> Manure Manifest (if applicable) | | | |

GEO Tracker Confirmation #: _____

Date: _____

Facility Info

Reporting Period: 1/1/2023 to 12/31/2023

Name of the Facility

Facility Name: Teunissen Ranch #2
Facility Address: 18943 Road 32 - Tulare, CA 93274
Original Operation Date:
Facility APN's: x200 x080 x017 xxxx
RWQCB Basin Plan Designation: Tulare Lake Basin
 Check if any information has changed

Owner(s)

Owner(s) Name: Valov Brothers Farm LP
Mailing Address: 2865 W. Prosperity - Tulare, CA 93274
Home Phone Number: Office: 559-686-6002
Cell Phone Number: Check if any information has changed

Operator(s)

Operator(s) Name: Joost Teunissen
Mailing Address: P. O. Box 323 - Tulare, CA 93275
Home Phone Number:
Cell Phone Number: 559-288-2721 X
Check if any information has changed

Herd Information

	Beef Cattle	Mature Cow	Bred Heifers (15-24 mo)	Heifers (7-14 mo)	Calves (0-6 mo)
Current Animal Numbers	-	-	-	-	1,077
Total Animal Units	-	-	-	-	226
Average Number	-	-	-	-	1,077

Predominant Cow Breed:

Holstein

Manure Generated:

Total manure excreted by the herd:	1,077	ton/yr
Total nitrogen from manure:	102,687	lbs
Total phosphorus (P_2O_5) from manure	6,971	lbs
Total potassium (K_2O) from manure	27,719	lbs
Total salt from manure:	-	lbs

Process Wastewater Generated:

Process wastewater generated:	gal
Total nitrogen generated:	lbs
Total phosphorus (P_2O_5) generated:	lbs
Total potassium (K_2O) generated:	lbs
Total salt (TDS) generated:	lbs

Volume of the equipment wastewater
generated for storage period

* Waste Management Report

List of Land Application Areas

List of Fresh Water Sources

Subsurface (Tile) Drainage Sources			
Source Description	Type		
Barn Well	Ground Water	No	
Irrigation Well	Ground Water	No	Canal

WINTER PLANT TISSUE ANALYSIS (Recorded As Received)

SUMMER PLANT TISSUE ANALYSIS (Recorded As Received)

Detectable Limits
Valley Tech
Dellavalle

0.0001%	0.001%	0.01%	0.1%	0.10%
0.003%	0.01%	0.1%	1%	10%
0.01%	0.1%	1%	10%	100%
0.05%	0.1%	1%	10%	100%
0.1%	1%	10%	100%	1000%

Winter Crops & Harvest

Valley Tech
Dellavalle

Summer Crops & Harvest

Valley Tech
Dellavalle

Well / Canal Analysis

Well Name/Number	General Minerals										Date: VI 2340618	Lab #: VI 2344713	LAB FGL Environmental
	EC (µmho s/cm)	TDS (mg/L)	NH ₄ -N (mg/L)	TN (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	HCO ₃ (mg/L)	SO ₄ (mg/L)	Cl (mg/L)			
Barn Well	17.00	786	520	-	-	-	-	-	-	-	-	-	-
Irrigation Well	19.00	731	490	-	-	-	-	-	-	-	-	-	-
Canal	-	-	-	-	-	-	-	-	-	-	-	-	-

Detectable Limits

<i>Dellavalle</i>	0.01	1	10	0.2	NR	0.1	0.15	3	0.9	0.03	0.03		
<i>FGL Environmental</i>	0	0	0	0	0	0	0	0	0	0	0		
<i>Valley Tech</i>	0.1	1	NR	NR	NR	NR	NR	NR	NR	NR	NR		

Soil Analysis (Winter)

Detectable limits

Waller Tack

דילוגים

0.1 0.1

Soil Analysis (Summer)

Detectable Limits
Valley Tech
DellaValle

0.1
0.1

Nutrient Import & Export

Nutrient Export-Did you sell, give away or otherwise remove slurry, process water or dry manure from your property?

NO
X

Yes, Manifest attached (Attachment D)

Nutrient import

No Dry manure nutrient imports entered

No Process wastewater nutrient imports entered

No Commercial or other nutrient imports entered

Total Process Water Exported

Total Dry Manure Exported

100

1

Process Water & Manure Analysis

Process Water													
Quarters:	NH ₄ N (mg/L)	TKN (mg/L)	TP (mg/L)	TK (mg/L)	NO ₃ N (mg/L)	NH ₃ N (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	CO ₃ (mg/L)	SO ₄ (mg/L)	Cl (mg/L)	TDS (mg/L)
1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-

Detectable Limits

Valley Tech	2.0	5.0	0.1	0.2	0.01	0.05	0.4	0.10	0.9	3	0.01	0.03	0.10
Dellavalle	0.2	0.7	0.02	0.2	0.01	0.01	0.05	0.4	0.10	0.9	3	0.01	0.001

Qtr	Sample #:	Sample Date:	Source	Inorg N	Org N	P ₂ O ₅	K ₂ O
				lbs / Ac In	lbs / Ac In	lbs / Ac In	lbs / Ac In
1	NO WATER	1/0/1900		-	-	-	-
2	NO WATER	1/0/1900		-	-	-	-
3	NO WATER	1/0/1900		-	-	-	-
4	NO WATER	1/0/1900		-	-	-	-

Description	Sample #:	Date:	As Is/ Dry Weight	Source	Material Type
Manure	5-11M49464	5/11/2023	Dry Weight	Valley Tech	Corral Solids
Manure	10-4M67875	10/4/2023	Dry Weight	Valley Tech	Corral Solids

Dry Manure (As Rec'd)	TN %	TP %	TK %	Ca	Mg	Na	S	Cl	Salt	TFS	Molsture %
Corral	1.17	0.25	1.30	-	-	-	-	-	-	-	36.50
Corral	1.68	0.39	1.28	1.75	0.54	0.21	0.38	0.57	-	44.40	29.80

Detectable Limits

Valley Tech	0.01%	0.02%	0.02%	0.003%	0.001%	0.001%	0.000%	0.000%	0.0001%	0.0001%	0.001%
Dellavalle	0.01%	0.01%	0.003%	0.001%	0.001%	0.001%	0.000%	0.000%	0.0001%	0.0001%	0.001%

Nutrient Applications

Field Name/Number:

1 TREES

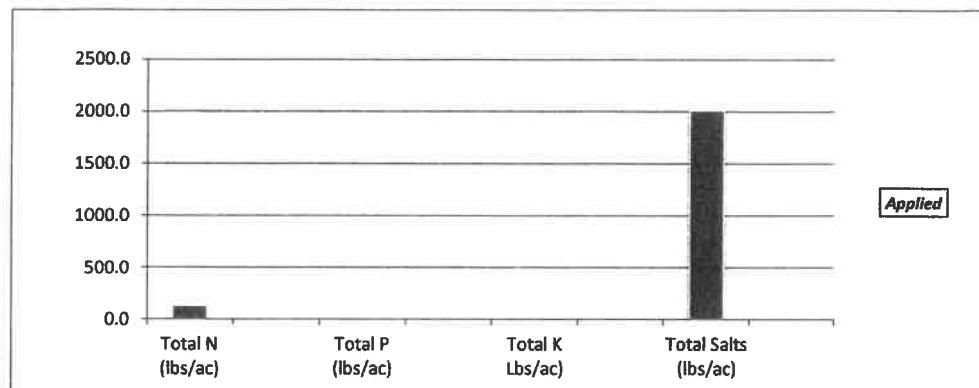
Acres:

23.00

Field

1 TREES

Acres:

23

	Total N (lbs/ac)	Total P (lbs/ac)	Total K (lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	129.9	0.0	0.0	2011.4
Nutrients Removed at Harvest	-98.4	-14.7	-108.2	0.0
Nutrient Balance	31.6	-14.7	-108.2	2011.4

Winter Nitrogen Crop App / Use Ratio: 1.39

Summer Nitrogen Crop App / Use Ratio: #N/A

Field Name/Number: 1 TREES Acres: 23.00

Winter Crop Nutrient Summary :	Other Nutrient Summary :	Applied	N	P ₂ O ₅	K ₂ O	
W. Manure App.		- T/Ac	-	-	-	
W. Comm Fert App.		- lbs/Ac	-	-	-	
Process Water	Q1	- Ac In /Ac	-	-	-	45016
	Q2	- Ac In /Ac	-	-	-	45016
Well Water		30.2 Ac In /Ac	129.9			45107
Canal		- Ac In /Ac	-			
Atm. Depos.		Yes	7.0			
W. Planting	1/1/19					
W. Harvest	11/1/23	1.8 T/Ac	(98.4)	(33.7)	(129.8)	

Summer Crop Nutrient Summary :	0	Applied	N	P ₂ O ₅	K ₂ O	
S. Manure App.		- T/Ac	-	-	-	
S. Comm Fert App.		- lbs/Ac	-	-	-	
Process Water	Q2	- Ac In /Ac	-	-	-	45016
	Q3	- Ac In /Ac	-	-	-	45107
	Q4	- Ac In /Ac	-	-	-	45199
Well Water		- Ac In /Ac	-			45291
Canal		- Ac In /Ac	-			
Atm. Depos.		#N/A	#N/A			
S. Planting	#N/A					
S. Harvest	#N/A	#N/A T/Ac	#N/A	#N/A	#N/A	

Additional Notes

Rain water in lagoon. Did not sample. Will sample in 2024 if their is sufficient water in the pond.

It is inaccurate to present "salt" application without acknowledging that there is substantial uptake and utilization of "salts" by crops. If it is possible to calculate "salt" application, it is also possible to calculate "salt" utilization. That calculation should be included in this report. To calculate "salt" utilization is a lengthy process and cannot be done with the constituents required in the Revised General Order sampling requirements.

The signature(s) affixed to this report does not affirmatively refer to those references to "salt" that we know to be incorrect.

A handwritten signature in blue ink, appearing to be a stylized 'S' or a similar mark, is written over a horizontal line.

Exception Reporting

Manure , Process Water and Other Facility Waste Discharges:

The following is a summary of all manure and process water 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 water discharges occurred during the reporting period

Storm Water Discharges:

The follow 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, storm water discharges occurred during the reporting period

Land Application Area To Surface Water Discharges:

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

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

Nutrient Management Plan (NMP) & Written Agreement Statement

Nutrient Management Plan Statement:

Was the facility NMP updated in the reporting period?

No

Was the facility's NMP developed and approved by a certified nutrient management specialist?

No

Written Agreements:

Are there any written agreements with third parties to receive manure or process water that are new or were revised within the reporting period?

No

Owner and/or Operator Certification

*I certify under penalty of law that all information submitted as part of this document is accurate and true. Certification signatures by a California Registered Professional have been supplied as needed in Part II. I have personally examined and am familiar with the information submitted in Parts I and II of 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.



Valov Brothers Farm LP

~~Signature of Owner of Facility~~

Valov Brothers Farm LP

Print Name

Joost Teunissen

Print Name

Joost Teunissen

Signature of Operator of Facility

4 | 16 | 2024

Date

4-16-24

Date



Livingston Dairy Consulting, Inc.

FIELD ACTIVITY REPORT

Facility Name:

Teunissen Ranch #2
118943 Road 32, Waukena
Tulare County

2023

Sample Collection Equipment: Bottle Container

Sample Container: (Circle one)

Bottle Container: 8 fl oz 16 fl oz 32 fl oz

Sample Collection Location: (Circle one)

Discharge Pipe Spigot/Faucet

Sample Collection Method: (Circle one) * All Samples are labeled with the facility name, date, contents, location and description ** Please see the Sample and Analysis Plan for more detailed descriptions.

Well: Sample taken at the Discharge Pipe, Spigot or Faucet using a sample container provided by laboratory.

Sample Type:

Sample Preservation Method: (Circle one)

Ice Chest

Refrigerator

Ice Pack

February 28, 2023

Lab No. : VI 2340618
Customer No. : 4018505

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

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
Barn Well	02/01/2023	02/01/2023	VI 2340618-001	DW

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

EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	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)
	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: 2023-02-28

Section: Case Narrative

Page 1 of 3

Page 1 of 3

Corporate Offices & Laboratory
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Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

February 28, 2023

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Description : Barn Well
 Project : W-6 Teunissen Ranch

Lab No. : VI 2340618-001
 Customer No. : 4018505

Sampled On : February 1, 2023 at 06:02
 Sampled By : Marlene / Kaylin
 Received On : February 1, 2023 at 14:04
 Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U1	02/14/2023	10:47	sta	EPA 351.2	02/19/2023	20:57	lcr
Nitrate Nitrogen	17.0	0.4	mg/L	10	1		02/02/2023	13:00	lfs	SM 4500-NO3 F	02/02/2023	14:29	lfs
Nitrogen, Total as Nitrogen	17.0	0.5	mg/L		1	1	02/14/2023	10:47	sta	EPA 351.2	02/19/2023	20:57	lcr
Nitrate + Nitrite as N	17.0	0.4	mg/L	10	1		02/02/2023	13:00	lfs	SM 4500-NO3 F	02/02/2023	14:29	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U1	02/14/2023	10:47	sta	EPA 351.2	02/19/2023	20:57	lcr
Conductivity	786	1	umhos/cm	1600 ²	1		02/15/2023	13:59	sta		02/15/2023	13:59	sta
Solids, Total Dissolved (TDS)	520	20	mg/L	1000 ²	1		02/03/2023	11:43	ctl	SM 2540 C	02/06/2023	12:24	ctl

DQF Flags Definition:

U Constituent results were non-detect.

1 The MS/MSD did not meet QC criteria.

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

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

February 28, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2340618
Customer No. : 4018505

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2510B	02/15/2023:201667STA (VI 2340609-001)	Blank Dup	umhos/cm umhos/cm		ND 0.3%	<1 5	
Solids, Total Dissolved	2540CE	02/03/2023:201214CTL (VI 2340617-001) (VI 2340617-001)	Blank LCS Dup Dup	mg/L mg/L mg/L mg/L	990.8	ND 104 % 1.1% 1.5%	<20 90-110 5 5	
Nitrogen, Total Kjeldahl	351.2	02/14/2023:201629STA (VI 2340618-001)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00	ND 88.1% 62.8% 58.3% 7.6% 47.0% 33.6% 34.7%	<0.5 73-124 54-136 54-136 ≤27 ≤Â½ 54-136 435 ≤27 435	
Nitrate + Nitrite as N	4500NO3F	02/02/2023:201191LFS (SP 2301542-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609 5.609	ND 98.2% 82.3% 86.9% 1.9%	<0.4 80-120 66-125 66-125 ≤30.4	
Nitrate Nitrogen	4500NO3F	02/02/2023:201191LFS (SP 2301542-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	11.22 5.609 5.609 5.609 5.609	ND 98.2% 82.3% 86.9% 1.9%	<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 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.
- ND : Non-detect - Result was below the DQO listed for the analyte.

Explanation

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



AGRICULTURAL
miss

ENVIRONMENTAL
AUDIT

Special

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Laboratory Copy (1 of 3) www.legis.state.ma.us

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Phone: (559) 734-9471
Fax: (559) 734-8435

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

1. Number of ice chests/packages received: _____ Shipping tracking # OTC

2. Were samples received in a chilled condition? Temps: 101, 49, / / / /

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.

3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No
5. VOAs checked for Headspace? Yes No N/A
6. Were sample custody seals intact? Yes No N/A
7. If required, was sample split for pH analysis? Yes No
8. Were all analyses within holding times at time of receipt? Yes No
9. 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): DM

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 10 / / / / /
Acceptable is above freezing to 6° C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers: 558732941 945
973

3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No
5. Were sample custody seals intact? Yes No N/A

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): MDC

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: _____

Problem:

Resolution:

(Please use the back of this sheet for additional contacts)

Livingston Dairy Consulting, Inc.
VI 2340618

mdc 02/02/2023 12:37:57



U1 2340618

August 16, 2023

Lab No. : VI 2344713
Customer No. : 4018505

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Laboratory Report

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- | | | |
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| 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
Irr Well	07/20/2023	07/20/2023	VI 2344713-001	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.

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Test Summary

EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
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: EHB

Approved By **Kelly A. Dunnahoo, B.S.**

Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2023-08-17

Section: Case Narrative

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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

Office & Laboratory
 2500 Stagecoach Road
 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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 San Luis Obispo, CA 93401
 TEL: (805)783-2940
 FAX: (805)783-2912
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 9415 W. Goshen Avenue
 Visalia, CA 93291
 TEL: (559)734-9473
 FAX: (559)734-8435
 CA ELAP Certification No. 2810

August 16, 2023

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

Description : Irr Well
Project : W-6 Teunissen #2

Lab No. : VI 2344713-001

Customer No. : 4018505

Sampled On : July 20, 2023 at 06:39
Sampled By : Marlene / Noreen
Received On : July 20, 2023 at 10:32
Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	08/10/2023	14:22	sta	EPA 351.2	08/12/2023	15:30	lcr
Nitrate Nitrogen	19.0	0.4	mg/L		1		07/21/2023	13:00	lfs	SM 4500-NO3 F	07/21/2023	19:09	lfs
Nitrogen, Total as Nitrogen	19.0	0.5	mg/L		1		08/10/2023	14:22	sta	Calc.	08/12/2023	15:30	lcr
Nitrate + Nitrite as N	19.0	0.4	mg/L		1		07/21/2023	13:00	lfs	SM 4500-NO3 F	07/21/2023	19:09	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	08/10/2023	14:22	sta	EPA 351.2	08/12/2023	15:30	lcr
Conductivity	731	1	umhos/cm		1		07/31/2023	21:43	amm	SM 4500-H+B	08/01/2023	00:58	amm
Solids, Total Dissolved (TDS)	490	20	mg/L		1		07/25/2023	12:30	ctl	SM 2540 C	07/26/2023	11:30	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

August 16, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2344713

Customer No. : 4018505

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2344724-001)	Dup	umhos/cm		0.1%	5	
Solids, Total Dissolved	2540CE	07/25/2023:208161CTL	Blank	mg/L	ND	<20		
		(SP 2312499-001)	LCS	mg/L	991.5	98.9%	90-110	
		(SP 2312499-001)	Dup	mg/L		2.23%	5	
		(SP 2312499-001)	Dup	mg/L		0.3%	5	
Nitrogen, Total Kjeldahl	351.2	08/10/2023:208886STA	Blank	mg/L	ND	<0.5		
			LCS	mg/L	12.00	88.3%	73-124	
			MS	mg/L	12.00	91.6%	54-136	
		(VI 2344744-001)	MSD	mg/L	12.00	92.6%	54-136	
			MSRPD	mg/L		1.1%	≤27	
			MS	mg/L	12.00	88.1%	54-136	
		(VI 2344744-003)	MSD	mg/L	12.00	88.0%	54-136	
			MSRPD	mg/L		0.1%	≤27	
Nitrate + Nitrite as N	4500NO3F	07/21/2023:208010LFS	Blank	mg/L	ND	<0.4		
			LCS	mg/L	11.22	96.8%	80-120	
			MS	mg/L	5.609	88.4%	66-125	
		(STK2339748-001)	MSD	mg/L	5.609	87.9%	66-125	
			MSRPD	mg/L		0.2%	≤30.4	
Nitrate Nitrogen	4500NO3F	07/21/2023:208010LFS	Blank	mg/L	ND	<0.4		
			LCS	mg/L	11.22	96.8%	80-120	
			MS	mg/L	5.609	88.4%	66-125	
		(STK2339748-001)	MSD	mg/L	5.609	87.9%	66-125	
			MSRPD	mg/L		0.2%	≤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 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.
- ND : Non-detect - Result was below the DQO listed for the analyte.



Special

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Laboratory Copy (1 of 2)

Client: Livingston Dairy Consulting, Inc.		42086-04/01/2023		TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information	
Address: Livingston Dairy Consulting, Inc 1635 E. Prosperity Suite B Tulare, CA 93274					
Phone:	(559)687-1440	Fax:			
Contact Person:	Noreen Livingston				
Project Name:	W-6 Tunnession #2				
Purchase Order Number:					
Quote Number:	VI 20210208-01				
Sampler(s)	Markie & Noreen				
Sampling Fee:		Pickup Fee:			
Compositor Setup Date:	/ /	Time:	/		
Lab Number:	VI 2344713	4-18505			
Samp Num	Location Description	Date Sampled	Time Sampled		
1	In Well	7/20	6:39 AM	G	
2				G	
3				G	
4				G	
5				G	
6				G	
7				G	
8				G	
9				G	
10				G	
Remarks:		Hand Fusion 7/20/23		Time:	Relinquished
		10:32		SRQ	7/20/23
Received By:		Date:	Time:	Received By:	Date:
SRQ	7/20/23	10:32	GLS	7/20/23	1730
Relinquished:	Hand Fusion 7/20/23	Date:	Time:	Retlinquished	Date:
	10:32	SRQ	7/20/23	GLS	7/21/23
Received By:		Date:	Time:	Received By:	Date:
SRQ	7/20/23	10:32	GLS	7/21/23	1730
Remarks:					
Corporate Offices & Laboratory		R0 8.5%			
853 Corporation Street Santa Paula, CA 93060					
Phone: (805) 392-2000 Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063					
Office & Laboratory		2500 Stagecoach Road Stockton, CA 95215			
Phone: (209) 942-0423					
Fax: (209) 942-0423					
Office & Laboratory		563 E. Lindo Chico, CA 95926			
Phone: (530) 343-5818					
Fax: (530) 343-3807					
Office & Laboratory		3442 Empresa Drive, Suite D San Luis Obispo, CA 93401			
Phone: (805) 783-2940					
Fax: (805) 783-2912					
Office & Laboratory		9415 W. Goshen Avenue Visalia, CA 93291			
Phone: (559) 734-9473					
Fax: (559) 734-9435					

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # OTC
2. Were samples received in a chilled condition? Temps: 201 / 8.5°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.
3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No N/A
5. VOAs checked for Headspace? Yes No N/A
6. Were sample custody seals intact? Yes No N/A
7. If required, was sample split for pH analysis? Yes No N/A
8. Were all analyses within holding times at time of receipt? Yes No N/A
9. Verify sample date, time and sampler name Yes No N/A

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): _____

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 1C / / / /
Acceptable is above freezing to 6°C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers: 599803345 3297
3542 3359

3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No N/A
5. Were sample custody seals intact? Yes No N/A

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): MDC

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: _____

(4018505)

Problem: _____

Livingston Dairy Consulting, Inc.

Resolution: _____

VI 2344713

iv 07/20/2023 14:27:18

(Please use the back of this sheet for additional contacts)



