

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: Curti Family Farms

Physical address of dairy:

19493 Road 30

Number and Street

Tulare

Tulare

93274

City

County

Zip Code

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 12/01/1947

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0225-0040-0006-0000

B. OPERATORS

Curti, Justin

Operator name: Curti, Justin

Telephone no.: (559) 688-8323

Landline

Cellular

3235 Avenue 199

Mailing Address Number and Street

Tulare

CA

93274

City

State

Zip Code

This operator is responsible for paying permit fees.

C. OWNERS

Curti, Justin

Legal owner name: Curti, Justin

Telephone no.: (559) 688-8323

Landline

Cellular

3235 Avenue 199

Mailing Address Number and Street

Tulare

CA

93274

City

State

Zip Code

This owner is responsible for paying permit fees.

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

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

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	600	0	0	0	0	0
Number under roof	0	0	0	0	0	0
Maximum number	600	0	0	0	0	0
Average number	600	0	0	0	0	0
Avg live weight (lbs)	1,000	0	0	0		

Predominant milk cow breed: JerseyAverage milk production: 60 pounds per cow per day**B. MANURE GENERATED**Total manure excreted by the herd: 14,682.43 tons per reporting periodTotal nitrogen from manure: 192,021.30 lbs per reporting periodAfter ammonia losses (30% loss applied): 134,414.91 lbs per reporting periodTotal phosphorus from manure: 32,373.83 lbs per reporting periodTotal potassium from manure: 110,963.54 lbs per reporting periodTotal salt from manure: 282,510.00 lbs per reporting period**C. PROCESS WASTEWATER GENERATED**

Process wastewater generated: _____ gallons

Total nitrogen generated: _____ lbs

<u>0 gallons applied</u>	<u>0 gallons exported</u>
<u>+</u>	<u>-</u>
	<u>0 gallons imported</u>
<u>=</u>	<u>0 gallons generated</u>

Total phosphorus generated: _____ lbs

Total potassium generated: _____ lbs

Total salt generated: _____ lbs

D. FRESH WATER SOURCES

No fresh water sources entered.

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

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

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

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.

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

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

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.

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

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

NUTRIENT BUDGET

A. LAND APPLICATIONS

No application area crops entered.

B. NUTRIENT BUDGET

No application area crops entered.

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

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

NUTRIENT ANALYSES**A. MANURE ANALYSES**

22I1496

Sample and source description: 22I1496

Sample date: 09/22/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 3.6 %

	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	17,600.00	6,300.00	18,500.00	23,400.00	8,500.00	6,400.00	5,700.00	4,000.00		59.60
DL	100.00	100.00	30.00	10.00	5.00	10.00	10.00	0.10		0.01

23E1659

Sample and source description: 23E1659

Sample date: 05/18/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 12.3 %

	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	20,200.00	5,500.00	39,400.00							0.00
DL	100.00	100.00	30.00							0.01

23J0238

Sample and source description: 23J0238

Sample date: 10/03/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 21.1 %

	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	18,200.00	6,400.00	23,100.00							0.00
DL	100.00	100.00	30.00							0.01

B. PROCESS WASTEWATER ANALYSES

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

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

22K0761

Sample and source description: 22K0761

Sample date: 11/09/2022 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	393.00	173.00	0.00	2.30	100.00	1,410.00								10,100.00	8,000
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23A0639

Sample and source description: 23A0639

Sample date: 01/24/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	504.00	181.00	0.00	1.50	40.30	862.00								10,800.00	8,530
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23E0887

Sample and source description: 23E0887

Sample date: 05/09/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	299.00	187.00	0.00	0.40	51.80	321.00								4,040.00	2,020
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23G2016

Sample and source description: 23G2016

Sample date: 07/27/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	242.00	203.00	0.00	0.60	46.60	393.00								4,310.00	2,120
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

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

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

23K0780

Sample and source description: 23K0780

Sample date: 11/14/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: _____

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	160.00	107.00	0.00	0.00	31.70	358.00								2,690.00	1,780
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

C. FRESH WATER ANALYSES

No irrigation water analyses entered.

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

No plant tissue analyses entered.

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

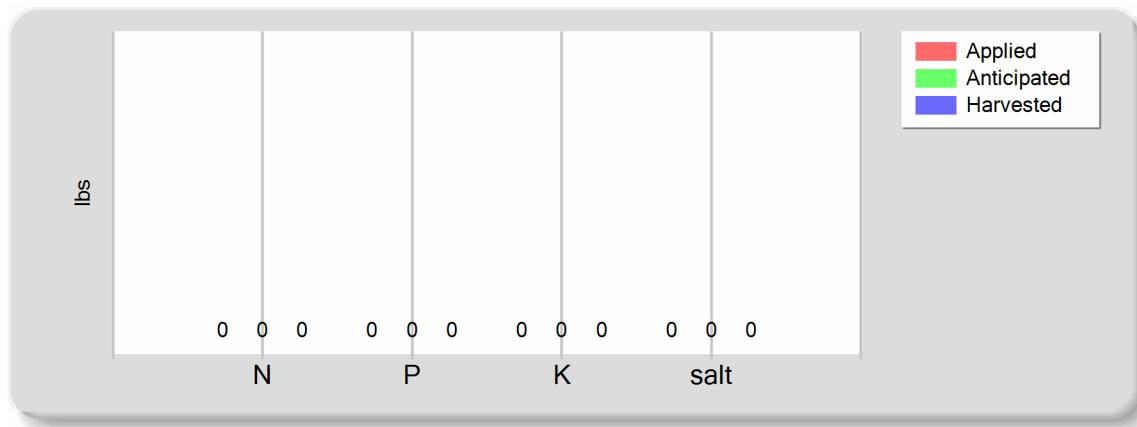
No subsurface (tile) drainage analyses entered.

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

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

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

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

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

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

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

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

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 _____

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

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

ADDITIONAL NOTES

A. NOTES

All crop land and land application events are controlled by Curti Family Inc., whom are the same owners as Curti Family Farms. Please refer to Curti Family Inc.'s annual report for all crops, application events, and any other nutrient management planning. All of Curti Family Farms nutrient analysis and ground water analysis are also included in Curti Family, Inc.'s annual report. As Curti Family Farms' nutrients are used for applications to cropland the corresponding analysis is selected in Curti Family Inc.'s annual report in order to accurately reflect the activity.

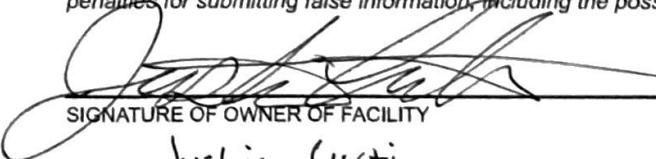
Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2023 to 12/31/2023.

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

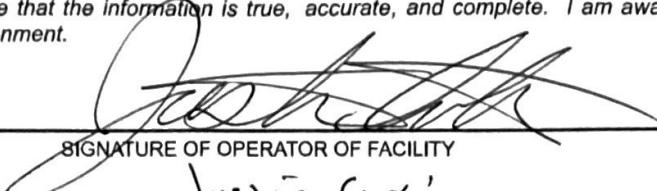

Justin Curti

PRINT OR TYPE NAME

12-1-23

DATE

SIGNATURE OF OPERATOR OF FACILITY


Justin Curti

PRINT OR TYPE NAME

12-1-23

DATE

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

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

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.



Sola Consulting Inc
PO Box 190
Tipton, CA 93272

Account# 00-0020655
Account Manager: Ben Nydam
Submitted By: Vince Sola

Received: 05/11/2023 8:59
Reported: 06/02/2023 13:29

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23E1020-01	Tulare Canal	Ag Water	Moises Barajas		05/10/2023 12:16

Default Cooler Temperature on Receipt °C: -0.6
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



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Submitted By: Vince Sola

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Sample Results

**Sample: Tulare Canal
23E1020-01 (Water)**

Sampled: 5/10/2023 12:16

Sampled By: Moises Barajas

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.07	mmhos/cm	0.01	1		05/11/23 14:09	SM 2510 B		BEE0443
Electrical Conductivity umhos	70.0	umhos/cm	10.0	1		05/11/23 14:09	SM 2510 B		BEE0443
Nitrate Nitrogen as NO3N	0.2	mg/L	0.1	1	10	05/11/23 17:09	EPA 300.0		BEE0425
pH	8.1	units	1.0	1		05/11/23 14:09	SM 4500-H+	H	BEE0443
Total Filterable Solids (TDS)	52.9	mg/L	10.0	1		06/02/23 12:10	SM 2540 C		BEE0466
Temperature	25.0	°C	0.0	1		05/11/23 14:09	SM 2510 B		BEE0443

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Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0425									
Blank (BEE0425-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 5/11/2023				
Blank (BEE0425-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 5/11/2023				
Blank (BEE0425-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared: 5/11/2023 Analyzed: 5/12/2023				
LCS (BEE0425-BS1)									
Nitrate Nitrogen as NO3N	5.4	0.1	mg/L	5.000	108	90-110			
LCS (BEE0425-BS2)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	103	90-110			
Duplicate (BEE0425-DUP1)									
Nitrate Nitrogen as NO3N	0.6	0.1	mg/L	0.6			1.74	10	
Duplicate (BEE0425-DUP2)									
Nitrate Nitrogen as NO3N	27.9	0.1	mg/L	27.9			0.222	10	
Matrix Spike (BEE0425-MS1)									
Nitrate Nitrogen as NO3N	5.7	0.1	mg/L	5.000	0.6	101	90-110		
Matrix Spike (BEE0425-MS2)									
Nitrate Nitrogen as NO3N	32.6	0.1	mg/L	5.000	27.9	92.5	90-110		
Reference (BEE0425-SRM1)									
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00	100	90-110			
Reference (BEE0425-SRM2)									
Nitrate Nitrogen as NO3N	10.1		mg/L	10.00	101	90-110			

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Received: 05/11/2023 8:59
Reported: 06/02/2023 13:29

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0443									
Blank (BEE0443-BLK1)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity ND 0.01 mmhos/cm									
pH 5.5 1.0 units									
Temperature 25.0 0.0 °C									
Electrical Conductivity umhos ND 10.0 umhos/cm									
Blank (BEE0443-BLK2)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity ND 0.01 mmhos/cm									
pH 5.6 1.0 units									
Electrical Conductivity umhos ND 10.0 umhos/cm									
Temperature 25.0 0.0 °C									
Blank (BEE0443-BLK3)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity ND 0.01 mmhos/cm									
pH 5.7 1.0 units									
Electrical Conductivity umhos ND 10.0 umhos/cm									
Temperature 25.0 0.0 °C									
Duplicate (BEE0443-DUP1)									
Source: 23E0842-01 Prepared & Analyzed: 5/11/2023									
pH 4.3 1.0 units 4.3 0.00 10									
Electrical Conductivity 1.70 0.01 mmhos/cm 1.70 0.0588 10									
Electrical Conductivity umhos 1700 10.0 umhos/cm 1700 0.0588 10									
Duplicate (BEE0443-DUP2)									
Source: 23E1024-01 Prepared & Analyzed: 5/11/2023									
Electrical Conductivity 0.07 0.01 mmhos/cm 0.07 0.578 10									
pH 8.1 1.0 units 8.2 0.737 10									
Electrical Conductivity umhos 69.0 10.0 umhos/cm 69.4 0.578 10									
Reference (BEE0443-SRM2)									
Prepared & Analyzed: 5/11/2023									
pH 7.8 units 7.790 100 .7163-101.28									
Reference (BEE0443-SRM3)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity 1060 umhos/cm 1000 106 90-110									
Electrical Conductivity umhos 1060 umhos/cm 1000 106 90-110									
Reference (BEE0443-SRM4)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity 1060 umhos/cm 1000 106 90-110									
Electrical Conductivity umhos 1060 umhos/cm 1000 106 90-110									
Reference (BEE0443-SRM5)									
Prepared & Analyzed: 5/11/2023									
Electrical Conductivity 1070 umhos/cm 1000 107 90-110									
Electrical Conductivity umhos 1070 umhos/cm 1000 107 90-110									
Reference (BEE0443-SRM6)									
Prepared & Analyzed: 5/11/2023									

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0443 (Continued)									
Reference (BEE0443-SRM6)									
pH	4.0		units	4.000	100	97.5-102.5			
Reference (BEE0443-SRM7)									
pH	4.0		units	4.000	99.8	97.5-102.5			
Reference (BEE0443-SRM8)									
pH	4.0		units	4.000	99.8	97.5-102.5			

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Sola Consulting Inc
PO Box 190
Tipton, CA 93272

Account# 00-0020655
Account Manager: Ben Nydam
Submitted By: Vince Sola

Received: 05/11/2023 8:59
Reported: 06/02/2023 13:29

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEE0466									
Blank (BEE0466-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L		Prepared: 5/11/2023 Analyzed: 6/2/2023				
LCS (BEE0466-BS1)									
Total Filterable Solids (TDS)	21.2	10.0	mg/L	2000	Prepared: 5/11/2023 Analyzed: 6/2/2023	1.06	0-200		
Duplicate (BEE0466-DUP1)									
Total Filterable Solids (TDS)	1260	10.0	mg/L		Prepared: 5/11/2023 Analyzed: 6/2/2023	1240		1.60	5
Duplicate (BEE0466-DUP2)									
Total Filterable Solids (TDS)	4850	10.0	mg/L		Prepared: 5/11/2023 Analyzed: 6/2/2023	4750		2.08	5
Reference (BEE0466-SRM1)									
Total Filterable Solids (TDS)	310		mg/L	325.0	Prepared: 5/11/2023 Analyzed: 6/2/2023	95.4	90-110		

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05/11/23 08:59

23E1020

JG

WATER WORK REQUEST

Acct No. (or Login Not Billing)	20655	Cons	8
---------------------------------	-------	------	---

Purchase Order No. _____ Results Needed By _____

Client **Sola Consulting**
 Canal **Tulare Irrigation District**
 Requested by **Vince Sola**

Copy to	Email	Acct #
Vince Sola	solaconsulting@gmail.com	N/A
Curti Family Farms	curtifamilyoffice@gmail.com	15771
Curti Family Inc	curtifamilyoffice@gmail.com	13258
Curtimade	bencurtifarms@yahoo.com	15775
Mancebo #1	onepasstillage@yahoo.com	19286

Date sampled **5-10-23**

[X] QA/QC Document [X] Copy of Chain [] RWQCB

DESCRIPTION OF SAMPLES

1. **Tulare Canal** Sampled From: _____
2. _____ Sampled From: _____

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<i>Maria Brant</i>	DLI	5-10-23 12:16PM	2020 5-10-23
Second				
Third				
Fourth	<i>Jasmine L</i>	DLI	5/11/23 8:59	

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney fees. It is understood that payment is expected to be cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24%) or \$5.00 per month whichever is greater.

If payment is not made when due and a legitimate dispute exists concerning the product or services of DellaValle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorney fees of DellaValle Laboratory.

Invoicing Information:

Client	Acct #	Invoicing	Price List
Curti Family Farms	15771	\$18.00	Price List
Curti Family Inc	13258	\$18.00	Price List
Curtimade	15775	\$18.00	Ortly
Mancebo Holsteins #1	19286	\$18.00	Ortly
Mancebo Holsteins #2	19287	\$18.00	Ortly
Rio Blanco Dairy	13323	\$18.00	Ortly
S&S Dairy	15850	\$18.00	Ortly

Signature _____

Sample received in cooler with ice?

[] Yes [] No

IR Thermometer SN: 200560723
 Correction Factor: 0°C
 Calibration Due: 6/30/2023
 Location: Laboratory

cit update 2020

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input checked="" type="checkbox"/> Hanford Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/> Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Samples Preserved with HNO ₃ or H ₂ SO ₄ were: <input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory											
Type of Container(s) Received	Sample Number 1 2 3 4 5 6 7 8 9 10										
	Sample Containers for Internal (DLI) Use <i>(Containers that go into the Lab)</i>										
Plastics 100 mL sterile plastic Na ₂ S ₂ O ₃ (Green) 250 mL unpreserved (White) Plastic 250 mL HNO ₃ (Red) Plastic * pH Value 250 mL H ₂ SO ₄ (Yellow) Plastic * pH Value 500 mL unpreserved (White) Plastic 1 L unpreserved (White) Plastic 1 L unpreserved (BOD) (Purple) Plastic											
											05/11/23 08:59
											23E1020
Sample Containers for Subcontracted ("Send Out") Analyses <i>(Containers that go in the Subcontract ("Send Out") Refrigerator)</i>											
Plastics 100 mL sterile plastic Na ₂ S ₂ O ₃ (Green) 250 mL unpreserved (White) Plastic 250 mL HNO ₃ (Red) Plastic 250 mL H ₂ SO ₄ (Yellow) Plastic 500 mL HNO ₃ (Red) 1 L unpreserved (White) Plastic 1 L unpreserved (BOD) (Purple) Plastic 1 L HNO ₃ (Red)											
VOA Vials 40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531) 40 mL VOA, Na ₂ S ₂ O ₃ (EPA547) 40mL AG VOA unpreserved (White) (Set of 3) 40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3) 40mL VOA, H ₃ PO ₄ (Set of 3) 40 mL VOA, HCl (Blue) (Set of 3) 40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)											
Glass 250 mL AG unpreserved (White) 250 mL AG H ₂ SO ₄ (Yellow) 250 mL AG Na ₂ S ₂ O ₃ (Green) 250 mL AG Na ₂ S ₂ O ₃ + MCAA 500 mL glass unpreserved (White) 500 mL AG HCl (Blue) 1 L AG unpreserved (White) 1 L AG H ₂ SO ₄ (Yellow) 1 L AG Na ₂ S ₂ O ₃ (Green) 1 L AG HCl (Blue)											
Special Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃ Cyanide - 500 mL NaOH Asbestos - 1L P wrapped in foil (Set of 2) Sulfide - 1 L AG or P NaOH + ZnAc Chlorite/Bromate - 250 mL AG with EDA HAA5 - 250mL AG Ammonium Chlorite DO KIT Other: Other:											



Curti Family Farms
3235 Ave 199-B
Tulare, CA 93274

Account# 00-0015771
Account Manager: Ben Nydam
Submitted By: Martin Mora
Ranch: 3235 Ave 199 B Tulare

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:26

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1415-01	Domestic Well #10	Ag Water	M Mora		08/15/2023 9:30
Default Cooler	Temperature on Receipt °C: 13.2				
Containers Intact					
COC/Labels Agree					
Received On Ice					

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595

A2LA Certification #6440.02

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Curti Family Farms
3235 Ave 199-B
Tulare, CA 93274

Account# 00-0015771
Account Manager: Ben Nydam
Submitted By: Martin Mora
Ranch: 3235 Ave 199 B Tulare

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:26

Sample Results

**Sample: Domestic Well #10
23H1415-01 (Water)**

Sampled: 8/15/2023 9:30

Sampled By: M Mora

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.76	mmhos/cm	0.01	1		08/16/23 11:32	SM 2510 B		BEH0789
Electrical Conductivity umhos	764	umhos/cm	10.0	1		08/16/23 11:32	SM 2510 B		BEH0789
Ammonia (as N)	ND	mg/L	0.00	1		08/15/23 09:30	Field		BEH0801
Nitrate Nitrogen as NO3N	26.0	mg/L	0.1	1	10	08/16/23 18:34	EPA 300.0		BEH0803
pH	7.4	units	1.0	1		08/16/23 11:32	SM 4500-H+	H	BEH0789
Temperature	25.0	°C	0.0	1		08/16/23 11:32	SM 2510 B		BEH0789

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Curti Family Farms
3235 Ave 199-B
Tulare, CA 93274

Account# 00-0015771
Account Manager: Ben Nydam
Submitted By: Martin Mora
Ranch: 3235 Ave 199 B Tulare

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:26

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0789									
Blank (BEH0789-BLK1)									
Prepared & Analyzed: 8/16/2023									
pH	5.6	1.0	units						
Electrical Conductivity	ND	0.01	mmhos/cm						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Temperature	25.0	0.0	°C						
Blank (BEH0789-BLK2)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	6.3	1.0	units						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Blank (BEH0789-BLK3)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	ND	0.01	mmhos/cm						
pH	7.2	1.0	units						
Temperature	25.0	0.0	°C						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEH0789-DUP1)									
Source: 23H0157-01 Prepared & Analyzed: 8/16/2023									
pH	6.7	1.0	units		6.6		1.20	10	
Electrical Conductivity	0.42	0.01	mmhos/cm		0.43		3.56	10	
Electrical Conductivity umhos	416	10.0	umhos/cm		432		3.56	10	
Duplicate (BEH0789-DUP2)									
Source: 23H1462-01 Prepared & Analyzed: 8/16/2023									
pH	7.9	1.0	units		7.9		0.127	10	
Electrical Conductivity	0.91	0.01	mmhos/cm		0.91		0.110	10	
Electrical Conductivity umhos	911	10.0	umhos/cm		912		0.110	10	
Reference (BEH0789-SRM1)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	505		umhos/cm		538.0	93.8	90-110		
Reference (BEH0789-SRM2)									
Prepared & Analyzed: 8/16/2023									
pH	5.8		units		5.820	101	28178-101.7		
Reference (BEH0789-SRM3)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	945		umhos/cm		1000	94.5	90-110		
Electrical Conductivity umhos	945		umhos/cm		1000	94.5	90-110		
Reference (BEH0789-SRM4)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	950		umhos/cm		1000	95.0	90-110		
Electrical Conductivity umhos	950		umhos/cm		1000	95.0	90-110		
Reference (BEH0789-SRM5)									
Prepared & Analyzed: 8/16/2023									
Electrical Conductivity	958		umhos/cm		1000	95.8	90-110		

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Curti Family Farms
3235 Ave 199-B
Tulare, CA 93274

Account# 00-0015771
Account Manager: Ben Nydam
Submitted By: Martin Mora
Ranch: 3235 Ave 199 B Tulare

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:26

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0789 (Continued)									
Reference (BEH0789-SRM5)									
Electrical Conductivity umhos	958		umhos/cm	1000	95.8	90-110			
Reference (BEH0789-SRM6)									
pH	4.0		units	4.000	101	97.5-102.5			
Reference (BEH0789-SRM7)									
pH	4.0		units	4.000	101	97.5-102.5			
Reference (BEH0789-SRM8)									
pH	4.0		units	4.000	101	97.5-102.5			

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Curti Family Farms
3235 Ave 199-B
Tulare, CA 93274

Account# 00-0015771
Account Manager: Ben Nydam
Submitted By: Martin Mora
Ranch: 3235 Ave 199 B Tulare

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:26

Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEH0803									
Blank (BEH0803-BLK1)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/16/2023				
Blank (BEH0803-BLK2)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/16/2023				
Blank (BEH0803-BLK3)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
Blank (BEH0803-BLK4)									
Nitrate Nitrogen as NO3N	ND	0.1	mg/L		Prepared & Analyzed: 8/17/2023				
LCS (BEH0803-BS1)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	102	90-110			
LCS (BEH0803-BS2)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	103	90-110			
LCS (BEH0803-BS3)									
Nitrate Nitrogen as NO3N	5.1	0.1	mg/L	5.000	103	90-110			
Duplicate (BEH0803-DUP1)									
Nitrate Nitrogen as NO3N	8.8	0.1	mg/L	8.7			0.320	10	
Duplicate (BEH0803-DUP2)									
Nitrate Nitrogen as NO3N	14.1	0.1	mg/L	14.0			0.463	10	
Duplicate (BEH0803-DUP3)									
Nitrate Nitrogen as NO3N	1.2	0.1	mg/L	1.2			0.430	10	
Matrix Spike (BEH0803-MS1)									
Nitrate Nitrogen as NO3N	13.7	0.1	mg/L	5.000	8.7	99.8	90-110		
Matrix Spike (BEH0803-MS2)									
Nitrate Nitrogen as NO3N	19.0	0.1	mg/L	5.000	14.0	100	90-110		
Matrix Spike (BEH0803-MS3)									
Nitrate Nitrogen as NO3N	6.4	0.1	mg/L	5.000	1.2	105	90-110		
Reference (BEH0803-SRM1)									
Nitrate Nitrogen as NO3N	10.1		mg/L	10.00	101	90-110			
Reference (BEH0803-SRM2)									
Nitrate Nitrogen as NO3N	10.1		mg/L	10.00	101	90-110			

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Curti Family Farms
3235 Ave 199-B
Tulare, CA 93274

Account# 00-0015771
Account Manager: Ben Nydam
Submitted By: Martin Mora
Ranch: 3235 Ave 199 B Tulare

Received: 08/16/2023 7:00
Reported: 08/18/2023 10:26

Quality Control
(Continued)

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

Batch: BEH0803 (Continued)

Reference (BEH0803-SRM3)		Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO ₃ N	10.1		mg/L	10.00	101	90-110
Reference (BEH0803-SRM4)		Prepared & Analyzed: 8/17/2023				
Nitrate Nitrogen as NO ₃ N	10.2		mg/L	10.00	102	90-110

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08/16/23 07:00

23H1415

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>									
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest				
Container: Ice Chest <input type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>				
Samples Preserved with HNO ₃ or H ₂ SO ₄ were: <input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory									
Type of Container(s) Received	Sample Number								
	1	2	3	4	5	6	7	8	9
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)									
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)								
	250 mL unpreserved (White) Plastic								
	250 mL HNO ₃ (Red) Plastic								
	* pH Value								
	250 mL H ₂ SO ₄ (Yellow) Plastic								
	* pH Value								
	500 mL unpreserved (White) Plastic								
1 L unpreserved (White) Plastic									
1 L unpreserved (BOD) (Purple) Plastic									
Special	500mL unpreserved (White) Glass								
	PO4-P Kit								
	Other:								
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)									
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)								
	250 mL unpreserved (White) Plastic								
	250 mL HNO ₃ (Red) Plastic								
	250 mL H ₂ SO ₄ (Yellow) Plastic								
	500 mL HNO ₃ (Red)								
	1 L unpreserved (White) Plastic								
	1 L unpreserved (BOD) (Purple) Plastic								
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)								
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)								
	40mL AG VOA unpreserved (White) (Set of 3)								
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)								
	40mL VOA, H ₃ PO ₄ (Set of 3)								
	40 mL VOA, HCl (Blue) (Set of 3)								
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)								
Glass	250 mL AG unpreserved (White)								
	250 mL AG H ₂ SO ₄ (Yellow)								
	250 mL AG Na ₂ S ₂ O ₃ (Green)								
	250 mL AG Na ₂ S ₂ O ₃ + MCAA								
	500 mL glass unpreserved (White)								
	500 mL AG HCl (Blue)								
	1 L AG unpreserved (White)								
Special	1 L AG H ₂ SO ₄ (Yellow)								
	1 L AG Na ₂ S ₂ O ₃ (Green)								
	1 L AG HCl (Blue)								
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃								
	Cyanide - 500 mL NaOH								
	Asbestos - 1L P wrapped in foil (Set of 2)								
	Sulfide - 1 L AG or P NaOH + ZnAc								
Chlorite/Bromate - 250 mL AG with EDA									
HAA5 - 250mL AG Ammonium Chlorite									
DO KIT									
Other:									



Curti Family Farms
3235 Ave 199-B
Tulare, CA 93274

Account# 00-0015771
Account Manager: Ben Nydam
Submitted By: Martin Mora / P Curti
Ranch: 3235 Ave 199 B Tulare

Received: 11/14/2023 20:05
Reported: 11/22/2023 10:10

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23K0770-01	Domestic Well (Discharge)	Ag Water	M Mora		11/14/2023 8:20

Default Cooler Temperature on Receipt °C: 5.1
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Curti Family Farms
3235 Ave 199-B
Tulare, CA 93274

Account# 00-0015771
Account Manager: Ben Nydam
Submitted By: Martin Mora / P Curti
Ranch: 3235 Ave 199 B Tulare

Received: 11/14/2023 20:05
Reported: 11/22/2023 10:10

Sample Results

Sample: Domestic Well (Discharge)
23K0770-01 (Water)

Sampled: 11/14/2023 8:20
Sampled By: M Mora

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	299	mg/L	10.0	1		11/21/23 13:29	SM 2320 B		BEK0621
Calcium	157	mg/L	0.1	1		11/17/23 10:05	EPA 200.7		BEK0370
Chloride	33.8	mg/L	0.2	1	250	11/15/23 15:45	EPA 300.0		BEK0488
Carbonate as CaCO3	ND	mg/L	1	1		11/21/23 13:29	SM 2320 B		BEK0621
Electrical Conductivity	1.11	mmhos/cm	0.01	1		11/21/23 13:29	SM 2510 B		BEK0621
Electrical Conductivity umhos	1110	umhos/cm	10.0	1		11/21/23 13:29	SM 2510 B		BEK0621
Bicarbonate as CaCO3	299	mg/L	5.00	1		11/21/23 13:29	SM 2320 B		BEK0621
Potassium	ND	mg/L	0.500	1		11/17/23 10:05	EPA 200.7		BEK0370
Magnesium	6.1	mg/L	0.1	1		11/17/23 10:05	EPA 200.7		BEK0370
Sodium	62	mg/L	1	1		11/17/23 10:05	EPA 200.7		BEK0370
Ammonia (as N)	*	mg/L	0.00	1		11/15/23 10:30	Field		BEK0493
Nitrate Nitrogen as NO3N	40.8	mg/L	0.1	1	10	11/15/23 15:45	EPA 300.0		BEK0488
Hydroxide as CaCO3	ND	mg/L	1.00	1		11/21/23 13:29	SM 2320 B		BEK0621
Temperature	25.0	units	0.0	1		11/21/23 13:29	SM 4500-H+	H	BEK0621
pH	7.6	units	1.0	1		11/21/23 13:29	SM 4500-H+	H	BEK0621
Sulfate (SO4)	47.8	mg/L	0.5	1	250	11/15/23 15:45	EPA 300.0		BEK0488
Total Filterable Solids (TDS)	780	mg/L	10.0	1		11/17/23 15:48	SM 2540 C		BEK0539

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Curti Family Farms
3235 Ave 199-B
Tulare, CA 93274

Account# 00-0015771
Account Manager: Ben Nydam
Submitted By: Martin Mora / P Curti
Ranch: 3235 Ave 199 B Tulare

Received: 11/14/2023 20:05
Reported: 11/22/2023 10:10

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEK0370									
Blank (BEK0370-BLK1)									
Sodium	ND	1	mg/L						
Calcium	ND	0.1	mg/L						
Potassium	ND	0.500	mg/L						
Magnesium	ND	0.1	mg/L						
Blank (BEK0370-BLK2)									
Sodium	ND	1	mg/L						
Potassium	ND	0.500	mg/L						
Calcium	ND	0.1	mg/L						
Magnesium	ND	0.1	mg/L						
LCS (BEK0370-BS1)									
Sodium	39	1	mg/L	35.71	109	90-110			
Calcium	38.8	0.1	mg/L	35.71	109	90-110			
Potassium	37.9	0.500	mg/L	35.71	106	90-110			
Magnesium	39.2	0.1	mg/L	35.71	110	90-110			
LCS (BEK0370-BS2)									
Sodium	37	1	mg/L	35.71	105	90-110			
Calcium	37.1	0.1	mg/L	35.71	104	90-110			
Potassium	35.8	0.500	mg/L	35.71	100	90-110			
Magnesium	37.5	0.1	mg/L	35.71	105	90-110			
Duplicate (BEK0370-DUP1)									
Source: 23K0770-01				Prepared: 11/16/2023 Analyzed: 11/17/2023					
Calcium	159	0.1	mg/L	157			1.26	15	
Potassium	ND	0.500	mg/L	ND					15
Sodium	60	1	mg/L	62			3.00	15	
Magnesium	6.0	0.1	mg/L	6.1			2.59	15	
Matrix Spike (BEK0370-MS1)									
Source: 23K0770-01				Prepared: 11/16/2023 Analyzed: 11/17/2023					
Sodium	99	1	mg/L	35.71	62	90-110			
Potassium	38.0	0.500	mg/L	35.71	ND	90-110			
Calcium	199	0.1	mg/L	35.71	157	90-110			
Magnesium	43.6	0.1	mg/L	35.71	6.1	90-110			
Matrix Spike (BEK0370-MS2)									
Source: 23K0811-01				Prepared: 11/16/2023 Analyzed: 11/17/2023					
Potassium	39.7	0.500	mg/L	35.71	2.58	90-110			
Calcium	71.9	0.1	mg/L	35.71	33.7	90-110			
Sodium	120	1	mg/L	35.71	81	90-110			
Magnesium	55.5	0.1	mg/L	35.71	17.4	90-110			
Reference (BEK0370-SRM2)									
Sodium	93		mg/L	91.50	101	90-110			

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEK0370 (Continued)									
Reference (BEK0370-SRM2)									
Potassium	21.3		mg/L	21.90		97.3	90-110		
Reference (BEK0370-SRM3)									
Calcium	49.2		mg/L	45.90		107	90-110		
Magnesium	38.2		mg/L	35.60		107	90-110		

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEK0488									
Blank (BEK0488-BLK1)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 11/15/2023									
Nitrate Nitrogen as NO3N ND 0.1 mg/L									
Sulfate (SO4) ND 0.5 mg/L									
Blank (BEK0488-BLK2)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 11/15/2023									
Nitrate Nitrogen as NO3N ND 0.1 mg/L									
Sulfate (SO4) ND 0.5 mg/L									
Blank (BEK0488-BLK3)									
Chloride ND 0.2 mg/L Prepared & Analyzed: 11/15/2023									
Nitrate Nitrogen as NO3N ND 0.1 mg/L									
Sulfate (SO4) ND 0.5 mg/L									
LCS (BEK0488-BS1)									
Chloride 5.6 0.2 mg/L Prepared & Analyzed: 11/15/2023									
Nitrate Nitrogen as NO3N 5.7 0.1 mg/L									
Sulfate (SO4) 5.3 0.5 mg/L									
LCS (BEK0488-BS2)									
Chloride 5.1 0.2 mg/L Prepared & Analyzed: 11/16/2023									
Nitrate Nitrogen as NO3N 5.3 0.1 mg/L									
Sulfate (SO4) 4.9 0.5 mg/L									
Duplicate (BEK0488-DUP1)									
Chloride 5.0 0.2 mg/L Source: 23K0751-01 Prepared & Analyzed: 11/15/2023									
Nitrate Nitrogen as NO3N 1.5 0.1 mg/L									
Sulfate (SO4) 0.3 0.5 mg/L									
Duplicate (BEK0488-DUP2)									
Chloride 19.7 0.2 mg/L Source: 23K0774-01 Prepared & Analyzed: 11/16/2023									
Nitrate Nitrogen as NO3N 8.7 0.1 mg/L									
Sulfate (SO4) 17.9 0.5 mg/L									
Matrix Spike (BEK0488-MS1)									
Chloride 10.3 0.2 mg/L Source: 23K0751-01 Prepared & Analyzed: 11/15/2023									
Nitrate Nitrogen as NO3N 6.8 0.1 mg/L									
Sulfate (SO4) 5.3 0.5 mg/L									
Matrix Spike (BEK0488-MS2)									
Chloride 24.7 0.2 mg/L Source: 23K0774-01 Prepared & Analyzed: 11/16/2023									
Nitrate Nitrogen as NO3N 13.9 0.1 mg/L									
Sulfate (SO4) 23.2 0.5 mg/L									

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEK0488 (Continued)									
Reference (BEK0488-SRM1)									
Chloride 12.9 mg/L 12.50 103 90-110									
Nitrate Nitrogen as NO3N 10.2 mg/L 10.00 102 90-110									
Sulfate (SO4) 10.2 mg/L 10.00 102 90-110									
Reference (BEK0488-SRM2)									
Chloride 13.0 mg/L 12.50 104 90-110									
Nitrate Nitrogen as NO3N 10.3 mg/L 10.00 103 90-110									
Sulfate (SO4) 10.2 mg/L 10.00 102 90-110									
Reference (BEK0488-SRM3)									
Chloride 13.0 mg/L 12.50 104 90-110									
Nitrate Nitrogen as NO3N 10.3 mg/L 10.00 103 90-110									
Sulfate (SO4) 10.2 mg/L 10.00 102 90-110									

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEK0539									
Blank (BEK0539-BLK1)									
Total Filterable Solids (TDS)	ND	10.0	mg/L		Prepared: 11/16/2023 Analyzed: 11/17/2023				
LCS (BEK0539-BS1)					Prepared: 11/16/2023 Analyzed: 11/17/2023				
Total Filterable Solids (TDS)	25.0	10.0	mg/L	2000	1.25	0-200			
Duplicate (BEK0539-DUP1)		Source: 23K0708-01			Prepared: 11/16/2023 Analyzed: 11/17/2023				
Total Filterable Solids (TDS)	2380	10.0	mg/L	2350			1.06	10	
Duplicate (BEK0539-DUP2)		Source: 23K0736-01			Prepared: 11/16/2023 Analyzed: 11/17/2023				
Total Filterable Solids (TDS)	3700	10.0	mg/L	3880			4.62	10	
Reference (BEK0539-SRM1)					Prepared: 11/16/2023 Analyzed: 11/17/2023				
Total Filterable Solids (TDS)	323		mg/L	325.0	99.5	90-110			

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: BEK0621									
Blank (BEK0621-BLK1)									
Prepared: 11/17/2023 Analyzed: 11/21/2023									
Carbonate as CaCO ₃	ND	1	mg/L						
Temperature	25.0	0.0	units						
Hydroxide as CaCO ₃	ND	1.00	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
Alkalinity as CaCO ₃	ND	10.0	mg/L						
pH	5.5	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Blank (BEK0621-BLK2)									
Prepared: 11/17/2023 Analyzed: 11/21/2023									
Carbonate as CaCO ₃	ND	1	mg/L						
Hydroxide as CaCO ₃	ND	1.00	mg/L						
Temperature	25.0	0.0	units						
Alkalinity as CaCO ₃	ND	10.0	mg/L						
Electrical Conductivity	ND	0.01	mmhos/cm						
Bicarbonate as CaCO ₃	ND	5.00	mg/L						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	5.4	1.0	units						
Duplicate (BEK0621-DUP1)									
Source: 23K0771-01									
Prepared: 11/17/2023 Analyzed: 11/21/2023									
Electrical Conductivity	0.53	0.01	mmhos/cm		0.52			0.967	10
Carbonate as CaCO ₃	ND	1	mg/L		ND				10
Alkalinity as CaCO ₃	136	10.0	mg/L		131			3.59	10
Hydroxide as CaCO ₃	ND	1.00	mg/L		ND				10
Electrical Conductivity umhos	530	10.0	umhos/cm		525			0.967	10
pH	7.8	1.0	units		7.8			0.640	10
Reference (BEK0621-SRM1)									
Prepared: 11/17/2023 Analyzed: 11/21/2023									
Electrical Conductivity	558	umhos/cm	538.0		104	90-110			
Alkalinity as CaCO ₃	39.0	mg/L	40.60		96.0	90-110			
Reference (BEK0621-SRM2)									
Prepared: 11/17/2023 Analyzed: 11/21/2023									
Alkalinity as CaCO ₃	40.6	mg/L	40.60		99.9	90-110			
Electrical Conductivity	555	umhos/cm	538.0		103	90-110			
Reference (BEK0621-SRM4)									
Prepared: 11/17/2023 Analyzed: 11/21/2023									
pH	4.0	units	4.000		101	97.5-102.5			
Reference (BEK0621-SRM5)									
Prepared: 11/17/2023 Analyzed: 11/21/2023									
pH	4.1	units	4.000		102	97.5-102.5			
Reference (BEK0621-SRM7)									
Prepared: 11/17/2023 Analyzed: 11/21/2023									
pH	7.5	units	7.520		100	67021-101.3			

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Quality Control
(Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
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Batch: BEK0621 (Continued)

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11/14/23 20:05

23K0770

WATER

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other _____										
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest					
Container: Ice Chest <input type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO ₃ or H ₂ SO ₄ were: <input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory										
Type of Container(s) Received	Sample Number									
	1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	* pH Value									
	500 mL unpreserved (White) Plastic									
1 L unpreserved (White) Plastic										
1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass									
	PO4-P Kit									
	Other:									
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
Glass	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
Special	1 L AG H ₂ SO ₄ (Yellow)									
	1 L AG Na ₂ S ₂ O ₃ (Green)									
	1 L AG HCl (Blue)									
	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
Chlorite/Bromate - 250 mL AG with EDA										
HAA5 - 250mL AG Ammonium Chlorite										
DO KIT										
Other:										