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: Gregory O. Dias Dairy Farming Inc./d.b.a. Delta View Farms

Physical address of dairy:

Number and Street	City	County	Zip Code
4995 Ave 304	Visalia	Tulare	93291

Street and nearest cross street (if no address):

Date facility was originally placed in operation: 01/01/1974

Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0073-0170-0005-0000

B. OPERATORS

Dias, Darren S

Operator name: Dias, Darren S
Telephone no.: (559) 651-2199 Landline, (559) 469-6705 Cellular

Mailing Address Number and Street	City	State	Zip Code
30352 Road 48	Visalia	CA	93291

This operator is responsible for paying permit fees.

Dias, Gregory O Jr

Operator name: Dias, Gregory O Jr
Telephone no.: (559) 651-2199 Landline, (559) 469-6704 Cellular

Mailing Address Number and Street	City	State	Zip Code
4995 Avenue 304	Visalia	CA	93921

Dias, Gregory S

Operator name: Dias, Gregory S
Telephone no.: (559) 651-2199 Landline, (559) 469-6706 Cellular

Mailing Address Number and Street	City	State	Zip Code
30193 Road 48	Visalia	CA	93291

C. OWNERS

Dias, Gregory O Jr

Legal owner name:	Dias, Gregory O Jr	Telephone no.:	(559) 651-2199	(559) 469-6704
			Landline	Cellular
4995 Avenue 304	Visalia		CA	93921
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	0	300	750	600	200	0
Number under roof	1,800	0	0	0	0	0
Maximum number	1,800	300	750	600	200	0
Average number	1,800	300	750	600	200	0
Avg live weight (lbs)	900	1,000	700	575		

Predominant milk cow breed: Jersey

Average milk production: 60 *pounds per cow per day*

B. MANURE GENERATED

Total manure excreted by the herd: 61,117.44 *tons per reporting period*

Total nitrogen from manure: 769,148.90 *lbs per reporting period*

After ammonia losses (30% loss applied): 538,404.23 *lbs per reporting period*

Total phosphorus from manure: 126,752.19 *lbs per reporting period*

Total potassium from manure: 332,890.61 *lbs per reporting period*

Total salt from manure: 916,515.00 *lbs per reporting period*

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 26,116,304 *gallons*

Total nitrogen generated: 95,450.33 *lbs*

Total phosphorus generated: 33,908.51 *lbs*

Total potassium generated: 200,429.60 *lbs*

Total salt generated: 1,088,779.58 *lbs*

	22,516,304	*gallons applied*
+	3,600,000	*gallons exported*
-	0	*gallons imported*
=	26,116,304	*gallons generated*

D. FRESH WATER SOURCES

Source Description	Type
Benson E	Ground water
Camera 1	Ground water
Camera 2	Ground water
D&T	Ground water
DVF	Ground water

Source Description	Type
DVF Well 2	Ground water
G&M Well	Ground water
Mill Creek	Surface water
Rogers	Ground water
Sarquis	Ground water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

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.

Date	Material type	Quantity	Kjeldahl-N (mg/L)	Ammonium-N (mg/L)	Ammonia-N (mg/L)	Nitrate-N (mg/L)	P (mg/L)	K (mg/L)	EC (µmhos/cm)	TDS (mg/L)
12/31/2023	Process wastewater	3,600,000.00 *gal*	640.00	32.30	0.00	0.55	215.00	1,350.00		7,000

Material type	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	19,243.40	6,459.03	40,556.70	210,294.00
Total exports for all materials	19,243.40	6,459.03	40,556.70	210,294.00

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
Benson East	31	31	1	both	X073-X170-X021-XXXX
Benson Middle	37	37	1	both	X073-X170-X021-XXXX
Benson West	37	37	1	both	X014-X290-X004-XXXX
Camera	74	74	2	both	X073-X140-X050-XXXX
D&T	18	18	0	none	X073-X060-X013-XXXX
DVF	7	7	2	both	X073-X170-X004-XXXX X073-X170-X005-XXXX
G&M	47	47	2	manure	X073-X060-X018-XXXX
P Rogers	34	34	2	both	X073-X140-X043-XXXX
Rogers	37	37	1	both	X073-X140-X049-XXXX
Sarquis	78	78	2	both	X073-X170-X004-XXXX X073-X170-X005-XXXX
Totals for areas that were used for application	382	382	14		
Totals for areas that were not used for application	18	18	0		
Land application area totals	400	400	14		

B. CROPS AND HARVESTS

Benson East

Field name: Benson East

04/18/2023: Corn, silage

Crop: Corn, silage Acres planted: 31 Plant date: 04/18/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/16/2023	806.00 *ton*	As-is		64.4	5,000.00	1,000.00	4,950.00		6.25

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	35.00	280.00	52.50	231.00	0.00
Total actual harvest content	26.00	260.00	52.00	257.40	1,157.00

Benson Middle

Benson Middle

Field name: Benson Middle

04/21/2023: Corn, silage

Crop: Corn, silage Acres planted: 37 Plant date: 04/21/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/16/2023	962.00 *ton*	As-is		64.1	5,000.00	1,000.00	4,900.00		6.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	35.00	280.00	52.50	231.00	0.00
Total actual harvest content	26.00	260.00	52.00	254.80	1,120.08

Benson West

Field name: Benson West

04/22/2023: Corn, silage

Crop: Corn, silage Acres planted: 37 Plant date: 04/22/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/16/2023	1,147.00 *ton*	As-is		67.1	4,400.00	700.00	4,400.00		6.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	35.00	280.00	52.50	231.00	0.00
Total actual harvest content	31.00	272.80	43.40	272.80	1,305.47

Camera

Field name: Camera

Camera

11/24/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 74 Plant date: 11/24/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/15/2023	1,332.00 *ton*	As-is		64.3	6,800.00	1,200.00	9,100.00		9.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	18.00	244.80	43.20	327.60	1,208.09

06/28/2023: Corn, silage

Crop: Corn, silage Acres planted: 74 Plant date: 06/28/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/29/2023	1,850.00 *ton*	As-is		59.3	5,800.00	1,200.00	5,100.00		6.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	25.00	290.00	60.00	255.00	1,282.05

DVF

Field name: DVF

11/21/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 7 Plant date: 11/21/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/12/2023	126.00 *ton*	As-is		66.8	6,800.00	1,100.00	9,300.00		10.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	18.00	244.80	39.60	334.80	1,195.20

DVF

06/12/2023: Corn, silage

Crop: Corn, silage Acres planted: 7 Plant date: 06/12/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	182.00 *ton*	As-is		61.0	5,500.00	1,300.00	6,000.00		6.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	26.00	286.00	67.60	312.00	1,358.76

G&M

Field name: G&M

11/26/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 47 Plant date: 11/26/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/19/2023	705.00 *ton*	As-is		56.4	8,900.00	1,400.00	11,000.00		9.30

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	15.00	267.00	42.00	330.00	1,216.44

06/28/2023: Corn, silage

Crop: Corn, silage Acres planted: 47 Plant date: 06/28/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/09/2023	1,175.00 *ton*	As-is		69.3	4,250.00	900.00	5,000.00		6.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	25.00	212.50	45.00	250.00	1,028.45

P Rogers

Field name: P Rogers

11/22/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 34 Plant date: 11/22/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/11/2023	544.00 *ton*	As-is		64.9	7,600.00	1,050.00	9,050.00		12.75

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	16.00	243.20	33.60	289.60	1,432.08

06/22/2023: Corn, silage

Crop: Corn, silage Acres planted: 34 Plant date: 06/22/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/02/2023	884.00 *ton*	As-is		59.6	5,500.00	1,200.00	5,700.00		6.40

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	26.00	286.00	62.40	296.40	1,344.51

Rogers

Field name: Rogers

04/19/2023: Corn, silage

Crop: Corn, silage Acres planted: 37 Plant date: 04/19/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
08/18/2023	1,036.00 *ton*	As-is		65.4	4,500.00	1,000.00	4,500.00		6.70

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	35.00	280.00	52.50	231.00	0.00
Total actual harvest content	28.00	252.00	56.00	252.00	1,298.19

Sarquis

Field name: Sarquis

11/19/2022: Wheat, silage, soft dough

Crop: Wheat, silage, soft dough Acres planted: 78 Plant date: 11/19/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/12/2023	1,404.00 *ton*	As-is		66.8	6,800.00	1,100.00	9,300.00		10.00

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	20.00	220.00	34.00	166.00	0.00
Total actual harvest content	18.00	244.80	39.60	334.80	1,195.20

06/27/2023: Corn, silage

Crop: Corn, silage Acres planted: 78 Plant date: 06/27/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
10/18/2023	2,340.00 *ton*	As-is		66.2	4,600.00	900.00	5,100.00		7.10

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	30.00	240.00	45.00	198.00	0.00
Total actual harvest content	30.00	276.00	54.00	306.00	1,439.88

NUTRIENT BUDGET

A. LAND APPLICATIONS

Benson East - 04/18/2023: Corn, silage

Field name: Benson East

Crop: Corn, silage — Plant date: 04/18/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	77.40	86.40	184.80	0.00	186.00 *ton*
Application event totals		77.40	86.40	184.80	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	125.33	40.48	352.72	1,969.60	1,342,506.12 *gal*
Mill Creek	Surface water	12.20	0.00	0.00	1,169.64	37,782,423.45 *gal*
Application event totals		137.54	40.48	352.72	3,139.24	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	86.17	20.52	142.32	838.40	961,260.45 *gal*
Application event totals		86.17	20.52	142.32	838.40	

Benson Middle - 04/21/2023: Corn, silage

Field name: Benson Middle

Crop: Corn, silage — Plant date: 04/21/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	77.40	86.40	184.80	0.00	222.00 *ton*
Application event totals		77.40	86.40	184.80	0.00	

Benson Middle - 04/21/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	120.04	38.77	337.84	1,886.52	1,534,758.21 *gal*
Mill Creek	Surface water	12.56	0.00	0.00	1,203.43	46,397,923.89 *gal*
Application event totals		132.60	38.77	337.84	3,089.95	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/19/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	90.06	21.45	148.75	876.27	1,199,131.68 *gal*
Application event totals		90.06	21.45	148.75	876.27	

Benson West - 04/22/2023: Corn, silage

Field name: Benson West

Crop: Corn, silage

Plant date: 04/22/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	103.20	115.20	246.40	0.00	296.00 *ton*
Application event totals		103.20	115.20	246.40	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/31/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	90.22	29.14	253.92	1,417.89	1,153,512.54 *gal*
Mill Creek	Surface water	12.16	0.00	0.00	1,165.06	44,918,560.35 *gal*
Application event totals		102.38	29.14	253.92	2,582.95	

Benson West - 04/22/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	90.06	21.45	148.75	876.27	1,199,131.68 *gal*
Application event totals		90.06	21.45	148.75	876.27	

Camera - 11/24/2022: Wheat, silage, soft dough

Field name: Camera

Crop: Wheat, silage, soft dough

Plant date: 11/24/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	129.00	144.00	308.00	0.00	740.00 *ton*
Application event totals		129.00	144.00	308.00	0.00	

11/25/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	116.05	67.97	227.86	1,012.73	1,727,010.30 *gal*
Benson E	Ground water	15.69	0.00	0.00	317.47	16,559,747.82 *gal*
Application event totals		131.74	67.97	227.86	1,330.19	

01/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Mill Creek	Surface water	3.83	0.00	0.00	367.39	28,329,485.94 *gal*
Application event totals		3.83	0.00	0.00	367.39	

02/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	13.13	4.24	36.94	206.28	335,626.53 *gal*
Application event totals		13.13	4.24	36.94	206.28	

Camera - 06/28/2023: Corn, silage

Field name: Camera

Crop: Corn, silage — Plant date: 06/28/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/16/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	45.00	13.80	26.40	0.00	222.00 *ton*
Application event totals		45.00	13.80	26.40	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/02/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	64.85	15.44	107.12	631.01	1,727,010.30 *gal*
Mill Creek	Surface water	7.37	0.00	0.00	705.92	54,433,409.55 *gal*
Application event totals		72.22	15.44	107.12	1,336.93	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/26/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	108.02	38.81	227.64	1,333.34	1,922,520.90 *gal*
Application event totals		108.02	38.81	227.64	1,333.34	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/22/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Camera 1	Ground water	90.84	0.00	0.00	2,224.02	23,761,054.92 *gal*
Application event totals		90.84	0.00	0.00	2,224.02	

DVF - 11/21/2022: Wheat, silage, soft dough

Field name: DVF

Crop: Wheat, silage, soft dough — Plant date: 11/21/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

DVF - 11/21/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	154.80	172.80	369.60	0.00	84.00 *ton*
Application event totals		154.80	172.80	369.60	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/21/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	85.65	50.16	168.16	747.40	120,564.87 *gal*
DVF Well 2	Ground water	0.57	0.00	0.00	308.11	1,583,635.86 *gal*
Application event totals		86.22	50.16	168.16	1,055.51	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Mill Creek	Surface water	4.24	0.00	0.00	406.08	2,961,985.59 *gal*
Application event totals		4.24	0.00	0.00	406.08	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	29.64	9.57	83.41	465.76	71,687.22 *gal*
Application event totals		29.64	9.57	83.41	465.76	

DVF - 06/12/2023: Corn, silage

Field name: DVF

Crop: Corn, silage

Plant date: 06/12/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/13/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	60.00	18.40	35.20	0.00	28.00 *ton*
Application event totals		60.00	18.40	35.20	0.00	

DVF - 06/12/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	113.83	27.11	188.02	1,107.58	286,748.88 *gal*
Mill Creek	Surface water	10.19	0.00	0.00	976.55	7,123,102.86 *gal*
Application event totals		124.02	27.11	188.02	2,084.13	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	29.03	10.43	61.18	358.36	48,877.65 *gal*
Application event totals		29.03	10.43	61.18	358.36	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
DVF	Ground water	102.92	0.00	0.00	1,663.58	1,860,609.21 *gal*
Application event totals		102.92	0.00	0.00	1,663.58	

G&M - 11/26/2022: Wheat, silage, soft dough

Field name: G&M

Crop: Wheat, silage, soft dough

Plant date: 11/26/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/18/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	258.00	288.00	616.00	0.00	940.00 *ton*
Application event totals		258.00	288.00	616.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/27/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
G&M Well	Ground water	23.38	0.00	0.00	391.96	9,899,353.38 *gal*
Application event totals		23.38	0.00	0.00	391.96	

G&M - 11/26/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/24/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Mill Creek	Surface water	4.30	0.00	0.00	411.98	20,176,693.92 *gal*
Application event totals		4.30	0.00	0.00	411.98	

G&M - 06/28/2023: Corn, silage

Field name: G&M

Crop: Corn, silage

Plant date: 06/28/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/20/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	225.00	69.00	132.00	0.00	705.00 *ton*
Application event totals		225.00	69.00	132.00	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Mill Creek	Surface water	11.88	0.00	0.00	1,138.20	55,743,330.57 *gal*
Application event totals		11.88	0.00	0.00	1,138.20	

P Rogers - 11/22/2022: Wheat, silage, soft dough

Field name: P Rogers

Crop: Wheat, silage, soft dough

Plant date: 11/22/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following

P Rogers - 11/22/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/12/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	154.80	172.80	369.60	0.00	408.00 *ton*
Application event totals		154.80	172.80	369.60	0.00	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/23/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	84.36	49.40	165.62	736.11	576,756.27 *gal*
Benson E	Ground water	16.33	0.00	0.00	330.52	7,921,437.81 *gal*
Application event totals		100.69	49.40	165.62	1,066.63	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
01/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Mill Creek	Surface water	4.16	0.00	0.00	398.89	14,132,157.87 *gal*
Application event totals		4.16	0.00	0.00	398.89	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
02/23/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	24.41	7.88	68.69	383.57	286,748.88 *gal*
Application event totals		24.41	7.88	68.69	383.57	

P Rogers - 06/22/2023: Corn, silage

Field name: P Rogers

Crop: Corn, silage

Plant date: 06/22/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/13/2023	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	90.00	27.60	52.80	0.00	204.00 *ton*
Application event totals		90.00	27.60	52.80	0.00	

P Rogers - 06/22/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/01/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	54.86	13.06	90.61	533.80	671,253.06 *gal*
Mill Creek	Surface water	7.62	0.00	0.00	730.46	25,879,086.42 *gal*
Application event totals		62.48	13.06	90.61	1,264.26	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/20/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	29.49	10.59	62.14	363.98	241,129.74 *gal*
Application event totals		29.49	10.59	62.14	363.98	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
08/16/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Rogers	Ground water	134.95	0.00	0.00	2,157.59	15,982,991.55 *gal*
Application event totals		134.95	0.00	0.00	2,157.59	

Rogers - 04/19/2023: Corn, silage

Field name: Rogers

Crop: Corn, silage

Plant date: 04/19/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/12/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	64.50	72.00	154.00	0.00	185.00 *ton*
Application event totals		64.50	72.00	154.00	0.00	

Rogers - 04/19/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
03/27/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	60.15	19.43	169.28	945.26	769,008.36 *gal*
Mill Creek	Surface water	7.68	0.00	0.00	736.31	28,388,139.12 *gal*
Application event totals		67.83	19.43	169.28	1,681.57	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	36.22	8.63	59.82	352.41	482,259.48 *gal*
Application event totals		36.22	8.63	59.82	352.41	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
06/15/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Rogers	Ground water	129.87	0.00	0.00	2,076.42	16,738,965.87 *gal*
Application event totals		129.87	0.00	0.00	2,076.42	

Sarquis - 11/19/2022: Wheat, silage, soft dough

Field name: Sarquis

Crop: Wheat, silage, soft dough

Plant date: 11/19/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
10/13/2022	Broadcast/incorporate	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Manure	Corral solids	154.80	172.80	369.60	0.00	936.00 *ton*
Application event totals		154.80	172.80	369.60	0.00	

Sarquis - 11/19/2022: Wheat, silage, soft dough

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
11/20/2022	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	55.05	32.24	108.09	480.40	863,505.15 *gal*
DVF	Ground water	36.23	0.00	0.00	568.71	8,279,873.91 *gal*
DVF Well 2	Ground water	0.32	0.00	0.00	173.47	9,935,196.99 *gal*
Application event totals		91.60	32.24	108.09	1,222.58	

01/17/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Mill Creek	Surface water	3.98	0.00	0.00	381.55	31,011,239.67 *gal*
Application event totals		3.98	0.00	0.00	381.55	

02/21/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	28.53	9.21	80.30	448.39	769,008.36 *gal*
Application event totals		28.53	9.21	80.30	448.39	

Sarquis - 06/27/2023: Corn, silage

Field name: Sarquis

Crop: Corn, silage

Plant date: 06/27/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
05/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	82.08	19.55	135.56	798.57	2,303,766.57 *gal*
Mill Creek	Surface water	8.74	0.00	0.00	837.34	68,057,239.86 *gal*
Application event totals		90.81	19.55	135.56	1,635.92	

Sarquis - 06/27/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
07/25/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Process Wastewater	Process wastewater	102.48	36.82	215.97	1,264.96	1,922,520.90 *gal*
Application event totals		102.48	36.82	215.97	1,264.96	

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
09/04/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation

Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
DVF	Ground water	64.35	0.00	0.00	1,040.10	12,962,352.78 *gal*
Sarquis	Ground water	48.55	0.00	0.00	810.87	9,716,876.82 *gal*
Application event totals		112.90	0.00	0.00	1,850.98	

B. NUTRIENT BUDGET

Benson East - 04/18/2023: Corn, silage

Field name: Benson East | Crop: Corn, silage | Plant date: 04/18/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	77.40	86.40	184.80	0.00
Process wastewater	211.50	61.00	495.04	2,808.00
Fresh water	12.20	0.00	0.00	1,169.64
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	315.11	147.40	679.84	3,977.64
Anticipated crop nutrient removal	280.00	52.50	231.00	0.00
Actual crop nutrient removal	260.00	52.00	257.40	1,157.00
Nutrient balance	55.11	95.40	422.44	2,820.64
Applied to removed ratio	1.21	2.83	2.64	3.44

Fresh water applied	
37,782,423.45	*gallons*
1,391.40	*acre-inches*
44.88	*inches/acre*

Process wastewater applied	
2,303,766.57	*gallons*
84.84	*acre-inches*
2.74	*inches/acre*

Total harvests for the crop	
1	*harvests*

Benson Middle - 04/21/2023: Corn, silage

Field name: Benson Middle Crop: Corn, silage Plant date: 04/21/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	77.40	86.40	184.80	0.00
Process wastewater	210.11	60.22	486.59	2,762.79
Fresh water	12.56	0.00	0.00	1,203.43
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	314.06	146.62	671.39	3,966.22
Anticipated crop nutrient removal	280.00	52.50	231.00	0.00
Actual crop nutrient removal	260.00	52.00	254.80	1,120.08
Nutrient balance	54.06	94.62	416.59	2,846.14
Applied to removed ratio	1.21	2.82	2.63	3.54

Fresh water applied	
46,397,923.89	*gallons*
1,708.68	*acre-inches*
46.18	*inches/acre*

Process wastewater applied	
2,733,889.89	*gallons*
100.68	*acre-inches*
2.72	*inches/acre*

Total harvests for the crop	
1	*harvests*

Benson West - 04/22/2023: Corn, silage

Field name: Benson West Crop: Corn, silage Plant date: 04/22/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	103.20	115.20	246.40	0.00
Process wastewater	180.29	50.59	402.67	2,294.16
Fresh water	12.16	0.00	0.00	1,165.06
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	309.64	165.79	649.07	3,459.22
Anticipated crop nutrient removal	280.00	52.50	231.00	0.00
Actual crop nutrient removal	272.80	43.40	272.80	1,305.47
Nutrient balance	36.84	122.39	376.27	2,153.75
Applied to removed ratio	1.14	3.82	2.38	2.65

Fresh water applied	
44,918,560.35	*gallons*
1,654.20	*acre-inches*
44.71	*inches/acre*

Process wastewater applied	
2,352,644.22	*gallons*
86.64	*acre-inches*
2.34	*inches/acre*

Total harvests for the crop	
1	*harvests*

Camera - 11/24/2022: Wheat, silage, soft dough

Field name: Camera | Crop: Wheat, silage, soft dough | Plant date: 11/24/2022

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	129.00	144.00	308.00	0.00
Process wastewater	129.18	72.21	264.80	1,219.00
Fresh water	19.52	0.00	0.00	684.86
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	284.70	216.21	572.80	1,903.86
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	244.80	43.20	327.60	1,208.09
Nutrient balance	39.90	173.01	245.20	695.77
Applied to removed ratio	1.16	5.00	1.75	1.58

Fresh water applied	
44,889,233.76	*gallons*
1,653.12	*acre-inches*
22.34	*inches/acre*

Process wastewater applied	
2,062,636.83	*gallons*
75.96	*acre-inches*
1.03	*inches/acre*

Total harvests for the crop	
1	*harvests*

Camera - 06/28/2023: Corn, silage

Field name: Camera | Crop: Corn, silage | Plant date: 06/28/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	45.00	13.80	26.40	0.00
Process wastewater	172.88	54.25	334.76	1,964.35
Fresh water	98.20	0.00	0.00	2,929.94
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	323.08	68.05	361.16	4,894.29
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	290.00	60.00	255.00	1,282.05
Nutrient balance	33.08	8.05	106.16	3,612.24
Applied to removed ratio	1.11	1.13	1.42	3.82

Fresh water applied	
78,194,464.47	*gallons*
2,879.64	*acre-inches*
38.91	*inches/acre*

Process wastewater applied	
3,649,531.20	*gallons*
134.40	*acre-inches*
1.82	*inches/acre*

Total harvests for the crop	
1	*harvests*

DVF - 11/21/2022: Wheat, silage, soft dough

Field name: DVF Crop: Wheat, silage, soft dough Plant date: 11/21/2022

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	154.80	172.80	369.60	0.00
Process wastewater	115.29	59.73	251.58	1,213.16
Fresh water	4.80	0.00	0.00	714.19
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	281.89	232.53	621.18	1,927.35
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	244.80	39.60	334.80	1,195.20
Nutrient balance	37.09	192.93	286.38	732.15
Applied to removed ratio	1.15	5.87	1.86	1.61

Fresh water applied	
4,545,621.45	*gallons*
167.40	*acre-inches*
23.91	*inches/acre*

Process wastewater applied	
192,252.09	*gallons*
7.08	*acre-inches*
1.01	*inches/acre*

Total harvests for the crop	
1	*harvests*

DVF - 06/12/2023: Corn, silage

Field name: DVF Crop: Corn, silage Plant date: 06/12/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	60.00	18.40	35.20	0.00
Process wastewater	142.87	37.54	249.20	1,465.94
Fresh water	113.11	0.00	0.00	2,640.14
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	322.98	55.94	284.40	4,106.07
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	286.00	67.60	312.00	1,358.76
Nutrient balance	36.98	-11.66	-27.60	2,747.31
Applied to removed ratio	1.13	0.83	0.91	3.02

Fresh water applied	
8,983,712.07	*gallons*
330.84	*acre-inches*
47.26	*inches/acre*

Process wastewater applied	
335,626.53	*gallons*
12.36	*acre-inches*
1.77	*inches/acre*

Total harvests for the crop	
1	*harvests*

G&M - 11/26/2022: Wheat, silage, soft dough

Field name: G&M | Crop: Wheat, silage, soft dough | Plant date: 11/26/2022

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	258.00	288.00	616.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	27.68	0.00	0.00	803.94
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	292.68	288.00	616.00	803.94
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	267.00	42.00	330.00	1,216.44
Nutrient balance	25.68	246.00	286.00	-412.50
Applied to removed ratio	1.10	6.86	1.87	0.66

Fresh water applied	
30,076,047.30	*gallons*
1,107.60	*acre-inches*
23.57	*inches/acre*

Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

G&M - 06/28/2023: Corn, silage

Field name: G&M | Crop: Corn, silage | Plant date: 06/28/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	225.00	69.00	132.00	0.00
Process wastewater	0.00	0.00	0.00	0.00
Fresh water	11.88	0.00	0.00	1,138.20
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	243.88	69.00	132.00	1,138.20
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	212.50	45.00	250.00	1,028.45
Nutrient balance	31.38	24.00	-118.00	109.75
Applied to removed ratio	1.15	1.53	0.53	1.11

Fresh water applied	
55,743,330.57	*gallons*
2,052.84	*acre-inches*
43.68	*inches/acre*

Process wastewater applied	
0.00	*gallons*
0.00	*acre-inches*
0.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

P Rogers - 11/22/2022: Wheat, silage, soft dough

Field name: P Rogers Crop: Wheat, silage, soft dough Plant date: 11/22/2022

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	154.80	172.80	369.60	0.00
Process wastewater	108.76	57.29	234.32	1,119.68
Fresh water	20.49	0.00	0.00	729.41
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	291.06	230.09	603.92	1,849.09
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	243.20	33.60	289.60	1,432.08
Nutrient balance	47.86	196.49	314.32	417.01
Applied to removed ratio	1.20	6.85	2.09	1.29

Fresh water applied	
22,053,595.68	*gallons*
812.16	*acre-inches*
23.89	*inches/acre*

Process wastewater applied	
863,505.15	*gallons*
31.80	*acre-inches*
0.94	*inches/acre*

Total harvests for the crop	
1	*harvests*

P Rogers - 06/22/2023: Corn, silage

Field name: P Rogers Crop: Corn, silage Plant date: 06/22/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	90.00	27.60	52.80	0.00
Process wastewater	84.35	23.66	152.76	897.78
Fresh water	142.57	0.00	0.00	2,888.04
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	323.92	51.26	205.56	3,785.82
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	286.00	62.40	296.40	1,344.51
Nutrient balance	37.92	-11.14	-90.84	2,441.31
Applied to removed ratio	1.13	0.82	0.69	2.82

Fresh water applied	
41,862,077.97	*gallons*
1,541.64	*acre-inches*
45.34	*inches/acre*

Process wastewater applied	
912,382.80	*gallons*
33.60	*acre-inches*
0.99	*inches/acre*

Total harvests for the crop	
1	*harvests*

Rogers - 04/19/2023: Corn, silage

Field name: Rogers | Crop: Corn, silage | Plant date: 04/19/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	64.50	72.00	154.00	0.00
Process wastewater	96.37	28.05	229.10	1,297.67
Fresh water	137.55	0.00	0.00	2,812.73
Atmospheric deposition	14.00	0.00	0.00	0.00
Total nutrients applied	312.42	100.05	383.10	4,110.40
Anticipated crop nutrient removal	280.00	52.50	231.00	0.00
Actual crop nutrient removal	252.00	56.00	252.00	1,298.19
Nutrient balance	60.42	44.05	131.10	2,812.21
Applied to removed ratio	1.24	1.79	1.52	3.17

Fresh water applied	
45,127,104.99	*gallons*
1,661.88	*acre-inches*
44.92	*inches/acre*

Process wastewater applied	
1,251,267.84	*gallons*
46.08	*acre-inches*
1.25	*inches/acre*

Total harvests for the crop	
1	*harvests*

Sarquis - 11/19/2022: Wheat, silage, soft dough

Field name: Sarquis | Crop: Wheat, silage, soft dough | Plant date: 11/19/2022

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	154.80	172.80	369.60	0.00
Process wastewater	83.58	41.46	188.39	928.79
Fresh water	40.53	0.00	0.00	1,123.73
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	285.92	214.26	557.99	2,052.52
Anticipated crop nutrient removal	220.00	34.00	166.00	0.00
Actual crop nutrient removal	244.80	39.60	334.80	1,195.20
Nutrient balance	41.12	174.66	223.19	857.32
Applied to removed ratio	1.17	5.41	1.67	1.72

Fresh water applied	
49,226,310.57	*gallons*
1,812.84	*acre-inches*
23.24	*inches/acre*

Process wastewater applied	
1,632,513.51	*gallons*
60.12	*acre-inches*
0.77	*inches/acre*

Total harvests for the crop	
1	*harvests*

Sarquis - 06/27/2023: Corn, silage

Field name: Sarquis | Crop: Corn, silage | Plant date: 06/27/2023

	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
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	184.56	56.36	351.53	2,063.54
Fresh water	121.63	0.00	0.00	2,688.32
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	313.19	56.36	351.53	4,751.86
Anticipated crop nutrient removal	240.00	45.00	198.00	0.00
Actual crop nutrient removal	276.00	54.00	306.00	1,439.88
Nutrient balance	37.19	2.36	45.53	3,311.98
Applied to removed ratio	1.13	1.04	1.15	3.30

Fresh water applied	
90,736,469.46	*gallons*
3,341.52	*acre-inches*
42.84	*inches/acre*

Process wastewater applied	
4,226,287.47	*gallons*
155.64	*acre-inches*
2.00	*inches/acre*

Total harvests for the crop	
1	*harvests*

NUTRIENT ANALYSES

A. MANURE ANALYSES

22I1812

Sample and source description: 22I1812

Sample date: 09/28/2022 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 2.1 %

	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	6,450.00	7,200.00	15,400.00							0.00
DL	100.00	100.00	30.00							0.01

23F0950

Sample and source description: 23F0950

Sample date: 06/07/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 50.4 %

	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	7,500.00	2,300.00	4,400.00							0.00
DL	100.00	100.00	30.00							0.01

23K1057

Sample and source description: 23K1057

Sample date: 11/20/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 61.5 %

	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	6,300.00	2,300.00	4,000.00							0.00
DL	100.00	100.00	30.00							0.01

B. PROCESS WASTEWATER ANALYSES

22L0571

Sample and source description: 22L0571

Sample date: 12/07/2022 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	595.00	292.00	0.00	0.90	349.00	1,170.00								12,900.00	5,200
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23C0959

Sample and source description: 23C0959

Sample date: 03/30/2023 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	346.00	212.50	0.00	0.80	112.00	976.00								10,000.00	5,450
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23F0920

Sample and source description: 23F0920

Sample date: 06/07/2023 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	332.50	207.00	0.00	0.50	79.30	550.00								7,090.00	3,240
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23I1786

Sample and source description: 23I1786

Sample date: 09/27/2023 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	498.00	257.00	0.00	0.25	179.00	1,050.00								11,200.00	6,150
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

23K1061

Sample and source description: 23K1061

Sample date: 11/20/2023 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	640.00	32.30	0.00	0.55	215.00	1,350.00								12,900.00	7,000
DL	0.70	0.20	0.01	0.01	0.02	0.20								1.00	10

C. FRESH WATER ANALYSES

Benson E

22L0716

Sample description: 22L0716

Sample date: 12/12/2022 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 (µmhos/cm)	TDS (mg/L)
Value		0.00	8.40	7.20	0.10	46.00	29.30	12.00	17.40	14.40	255.00	170
DL		0.20	0.01	0.10	0.10	0.03	3.00	0.90	0.03	0.03	0.10	10

Camera 1

23L1153

Sample description: 23L1153

Sample date: 12/20/2023 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 (µmhos/cm)	TDS (mg/L)
Value		0.00	33.90	161.00	6.50	86.00	250.00	0.00	152.00	62.60	1,270.00	830
DL		0.20	0.01	0.10	0.10	0.03	3.00	0.90	0.03	0.03	1.00	10

DVF

DVF

22L0715

Sample description: 22L0715

Sample date: 12/12/2022 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 (µmhos/cm)	TDS (mg/L)
Value		0.00	40.90								1,070.00	
DL		0.20	0.01								1.00	

23L1153

Sample description: 23L1153

Sample date: 12/20/2023 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 (µmhos/cm)	TDS (mg/L)
Value		0.00	46.40	123.00	5.20	82.00	160.00	0.00	75.90	61.60	1,100.00	750
DL		0.20	0.01	0.10	0.10	0.03	3.00	0.90	0.03	0.03	1.00	10

DVF Well 2

22L0852

Sample description: 22L0852

Sample date: 12/14/2022 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 (µmhos/cm)	TDS (mg/L)
Value		0.00	0.30								272.00	
DL		0.20	0.01								1.00	

G&M Well

G&M Well

22L0716

Sample description: 22L0716

Sample date: 12/12/2022 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 (µmhos/cm)	TDS (mg/L)
Value		0.00	13.30	9.60	0.00	66.00	39.90	4.00	31.30	23.10	359.00	223
DL		0.20	0.01	0.10	0.10	0.03	3.00	0.90	0.03	0.03	1.00	10

Mill Creek

23C0963

Sample description: 23C0963

Sample date: 03/30/2023 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 (µmhos/cm)	TDS (mg/L)
Value		0.00	1.20								119.00	115
DL		0.20	0.01								1.00	10

Rogers

23L1153

Sample description: 23L1153

Sample date: 12/20/2023 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 (µmhos/cm)	TDS (mg/L)
Value		0.00	34.40	69.70	2.10	66.00	73.20	0.00	84.60	41.20	772.00	550
DL		0.20	0.01	0.10	0.10	0.03	3.00	0.90	0.03	0.03	1.00	10

Sarquis

Sarquis

23L1153

Sample description: 23L1153

Sample date: 12/20/2023 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 (µmhos/cm)	TDS (mg/L)
Value		0.00	46.70	115.00	3.70	82.00	142.00	0.00	81.10	57.80	1,070.00	780
DL		0.20	0.01	0.10	0.10	0.03	3.00	0.90	0.03	0.03	1.00	10

D. SOIL ANALYSES

D&T

23L1138

Sample and source description: 23L1138

Sample date: 12/19/2023 Source of analysis: Lab analysis

	Nitrate-N (mg/kg)	Total P (mg/kg)	Soluble P (mg/kg)	K (mg/kg)	EC (µmhos/cm)	Organic matter (%)	Total salt (mg/kg)
Value			103.00				
DL			1.10				

E. PLANT TISSUE ANALYSES

Benson East - 04/18/2023: Corn, silage

23L0879/23L1129

Sample and source description: 23L0879/23L1129

Sample date: 12/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,000.00	1,000.00	4,950.00		6.25
DL	0.10	0.10	0.10		0.01

Benson Middle - 04/21/2023: Corn, silage

23L0879/23L1129

Sample and source description: 23L0879/23L1129

Sample date: 12/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,000.00	1,000.00	4,900.00		6.00
DL	0.10	0.10	0.10		0.01

Benson West - 04/22/2023: Corn, silage

23H1569

Sample and source description: 23H1569

Sample date: 08/16/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 67.1 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,400.00	700.00	4,400.00		6.40
DL	0.10	0.10	0.10		0.01

Camera - 11/24/2022: Wheat, silage, soft dough

23L1133

Sample and source description: 23L1133

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,800.00	1,200.00	9,100.00		9.40
DL	0.10	0.10	0.10		0.01

Camera - 06/28/2023: Corn, silage

23H1569

Sample and source description: 23H1569

Sample date: 08/16/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 59.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,800.00	1,200.00	5,100.00		6.30
DL	0.10	0.10	0.10		0.01

DVF - 11/21/2022: Wheat, silage, soft dough

23L1133

Sample and source description: 23L1133

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,800.00	1,100.00	9,300.00		10.00
DL	0.10	0.10	0.10		0.01

DVF - 06/12/2023: Corn, silage

23L1129

Sample and source description: 23L1129

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 61.0 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,500.00	1,300.00	6,000.00		6.70
DL	0.10	0.10	0.10		0.01

G&M - 11/26/2022: Wheat, silage, soft dough

23L1133

Sample and source description: 23L1133

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 56.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	8,900.00	1,400.00	11,000.00		9.30
DL	0.10	0.10	0.10		0.01

G&M - 06/28/2023: Corn, silage

23L0879/23L1129

Sample and source description: 23L0879/23L1129

Sample date: 12/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 69.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,250.00	900.00	5,000.00		6.70
DL	0.10	0.10	0.10		0.01

P Rogers - 11/22/2022: Wheat, silage, soft dough

23L1133

Sample and source description: 23L1133

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 64.9 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	7,600.00	1,050.00	9,050.00		12.75
DL	0.10	0.10	0.10		0.01

P Rogers - 06/22/2023: Corn, silage

23L1129

Sample and source description: 23L1129

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 59.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	5,500.00	1,200.00	5,700.00		6.40
DL	0.10	0.10	0.10		0.01

Rogers - 04/19/2023: Corn, silage

23L1129

Sample and source description: 23L1129

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 65.4 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,500.00	1,000.00	4,500.00		6.70
DL	0.10	0.10	0.10		0.01

Sarquis - 11/19/2022: Wheat, silage, soft dough

23L1133

Sample and source description: 23L1133

Sample date: 12/19/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.8 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	6,800.00	1,100.00	9,300.00		10.00
DL	0.10	0.10	0.10		0.01

Sarquis - 06/27/2023: Corn, silage

23L0879/23L1129

Sample and source description: 23L0879/23L1129

Sample date: 12/13/2023 Source of analysis: Lab analysis Method of reporting: As-is

Moisture: 66.2 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	4,600.00	900.00	5,100.00		7.10
DL	0.10	0.10	0.10		0.01

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

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	68,946.30	62,888.20	133,306.80	0.00
Process wastewater	76,206.92	27,449.48	159,872.90	878,485.58
Fresh water	35,971.17	0.00	0.00	1,030,553.65
Atmospheric deposition	5,348.00	0.00	0.00	0.00
Total nutrients applied	186,472.40	90,337.68	293,179.70	1,909,039.23
Anticipated crop nutrient removal	150,160.00	26,415.00	120,162.00	0.00
Actual crop nutrient removal	161,540.10	30,254.80	181,631.00	781,243.66
Nutrient balance	24,932.30	60,082.88	111,548.70	1,127,795.57
Applied to removed ratio	1.15	2.99	1.61	2.44

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

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

ADDITIONAL NOTES

A. NOTES

1. As stated in the Annual Report, and required by the General Order, the dairies onsite Nutrient Management Plan has been updated and completed by a certified agronomist. The dairy conducts its nutrient budgeting based on this certified plan, and only uses the Annual Report as a complimentary guide. Submission of the nutrient budget in this annual report is done solely to satisfy the requirements of the General Orders monitoring and reporting section.

2. All graphs in the annual report display an amount of applied and removed salt. There are many ways inputs and exports of salt can accounted for. The Merced County website does not account for all of them. The graphs convey a partial / incomplete portrayal of salts (depending on how salts are defined, measured, and evaluated).

3. The General Order requires the submission of all land applications in the "calendar year" of the reporting period. This has been submitted. However, land applications that occur post harvest of the Fall forage of the previous calendar year are intended for the use of the Spring forage of the following calendar year (reporting period) as crop cycles do not work on calendar year dates. When such land applications occur in the previous calendar year, previous years analytical data representing the applications have been inputted to represent nutrients intended for the reporting periods Spring crop. As such, any land application that occurs post harvest of the Fall forage in the reporting period that is intended for the Spring forage of the following calendar year will not be inputted until the following years Annual Report so that the Merced County reporting program software does not mistakenly apply these applications to the incorrect crops as there is no way to accurately differentiate and display this situation in the Annual Report software.

4. All wastewater land applications were summarized by quarter using the corresponding wastewater quarterly sample to represent nutrient amounts applied. One application date per quarter per crop has been selected to represent all applications of wastewater for that crop during that quarter. The Annual Reports' nutrient budget is accurate to the Merced County website standards as the proper quarterly sample has been selected to represent nutrients applied during that specific quarter. Day specific records are kept on site and available upon request.

All fresh water land applications during the report period have been summarized into one application per source per crop. One application date has been selected to represent the reporting period for that crop. The Annual Reports' nutrient budget is accurate to the Merced County website standards as the proper source sample has been selected to represent nutrients applied during the reporting period. Day specific records are kept on site and available upon request.

5. All land application events of Delta View Farms #2 are controlled by Delta View Farms, whom are the same operators as Delta View Farms #2. Please refer to Delta View Farms annual report for all crops, application events, and any other nutrient management planning for both facilities. All of Delta View Farms #2 nutrient analysis are also included in Delta View Farms annual report. As Delta View Farms #2 nutrients are used for applications to cropland the corresponding analysis is selected in Delta View Farms annual report in order to accurately reflect the activity.

6. Due to high volumes of available canal water, most, if not all wells remained idle during the growing season. Therefore little to no well samples exist. They will be sampled again when operable.

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.

	Same
SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY
Darren Dias	
PRINT OR TYPE NAME	PRINT OR TYPE NAME
11/30/23	
DATE	DATE

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.

DELLAVALLE™
LABORATORY INC

Delta View Farms #3
4845 Avenue 304
Visalia, CA 93291

Account# 00-0021283
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 03/31/2023 7:15
Reported: 04/07/2023 09:38

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23C0963-01	Mill Creek Sur	Ag Water	Client - Picked up by Cynthia Tiermersma		03/30/2023 7:00

Default Cooler Temperature on Receipt °C: -0.3
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.

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Ranch: 4995 Ave 304 Visalia

Received: 03/31/2023 7:15
Reported: 04/07/2023 09:38

Sample Results

Sample: Mill Creek Sur
23C0963-01 (Water)

Sampled: 3/30/2023 7:00
Sampled By: Client - Picked up by Cynthia Tierme

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.12**	mmhos/cm	0.01	1		04/05/23 11:26	SM 2510 B		BEC0804
Electrical Conductivity umhos	**119**	umhos/cm	10.0	1		04/05/23 11:26	SM 2510 B		BEC0804
Nitrate Nitrogen as NO3N	**1.2**	mg/L	0.1	1	10	04/01/23 00:12	EPA 300.0		BEC0806
pH	**7.7**	units	1.0	1		04/05/23 11:26	SM 4500-H+	H	BEC0804
Total Filterable Solids (TDS)	**115**	mg/L	10.0	1		04/06/23 14:00	SM 2540 C		BEC0814
Temperature	**25.0**	°C	0.0	1		04/05/23 11:26	SM 2510 B		BEC0804

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Ranch: 4995 Ave 304 Visalia

Received: 03/31/2023 7:15
Reported: 04/07/2023 09:38

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEC0804										
Blank (BEC0804-BLK1)					Prepared & Analyzed: 4/5/2023					
pH	5.6		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	°C						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEC0804-BLK2)					Prepared & Analyzed: 4/5/2023					
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						
Blank (BEC0804-BLK3)					Prepared & Analyzed: 4/5/2023					
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 (BEC0804-DUP1)		**Source: 23C0954-01**			Prepared & Analyzed: 4/5/2023					
pH	7.9		1.0	units		7.9			0.126	10
Electrical Conductivity	6.02		0.01	mmhos/cm		5.93			1.54	10
Electrical Conductivity umhos	6020		10.0	umhos/cm		5930			1.54	10
Duplicate (BEC0804-DUP2)		**Source: 23D0202-01**			Prepared & Analyzed: 4/5/2023					
pH	7.6		1.0	units		7.6			0.526	10
Electrical Conductivity	0.46		0.01	mmhos/cm		0.46			0.0648	10
Electrical Conductivity umhos	463		10.0	umhos/cm		463			0.0648	10
Reference (BEC0804-SRM1)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity	560			umhos/cm	538.0		104	90-110		
Reference (BEC0804-SRM2)					Prepared & Analyzed: 4/5/2023					
pH	7.8			units	7.790		100	.7163-101.28		
Reference (BEC0804-SRM3)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity	1030			umhos/cm	1000		103	90-110		
Electrical Conductivity umhos	1030			umhos/cm	1000		103	90-110		
Reference (BEC0804-SRM4)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity	1050			umhos/cm	1000		105	90-110		
Electrical Conductivity umhos	1050			umhos/cm	1000		105	90-110		
Reference (BEC0804-SRM5)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity	1070			umhos/cm	1000		107	90-110		

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Received: 03/31/2023 7:15
Reported: 04/07/2023 09:38

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEC0804 (Continued)										
Reference (BEC0804-SRM5)					Prepared & Analyzed: 4/5/2023					
Electrical Conductivity umhos	1070			umhos/cm	1000		107	90-110		
Reference (BEC0804-SRM6)					Prepared & Analyzed: 4/5/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEC0804-SRM7)					Prepared & Analyzed: 4/5/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEC0804-SRM8)					Prepared & Analyzed: 4/5/2023					
pH	4.0			units	4.000		100	97.5-102.5		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEC0806										
Blank (BEC0806-BLK1)					Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEC0806-BLK2)					Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEC0806-BLK3)					Prepared & Analyzed: 4/1/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEC0806-BS1)					Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	5.3		0.1	mg/L	5.000		105	90-110		
LCS (BEC0806-BS2)					Prepared & Analyzed: 4/1/2023					
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
Duplicate (BEC0806-DUP1)		**Source: 23C0103-01**			Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	1.6		0.1	mg/L		1.6			0.190	10
Duplicate (BEC0806-DUP2)		**Source: 23C0978-01**			Prepared & Analyzed: 4/1/2023					
Nitrate Nitrogen as NO3N	1.1		0.1	mg/L		1.1			1.02	10
Matrix Spike (BEC0806-MS1)		**Source: 23C0103-01**			Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	7.3		0.1	mg/L	5.000	1.6	114	90-110		
Matrix Spike (BEC0806-MS2)		**Source: 23C0978-01**			Prepared & Analyzed: 4/1/2023					
Nitrate Nitrogen as NO3N	6.3		0.1	mg/L	5.000	1.1	105	90-110		
Reference (BEC0806-SRM1)					Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	10.3			mg/L	10.00		103	90-110		
Reference (BEC0806-SRM2)					Prepared & Analyzed: 3/31/2023					
Nitrate Nitrogen as NO3N	10.4			mg/L	10.00		104	90-110		
Reference (BEC0806-SRM3)					Prepared & Analyzed: 4/1/2023					
Nitrate Nitrogen as NO3N	10.4			mg/L	10.00		104	90-110		

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Received: 03/31/2023 7:15
Reported: 04/07/2023 09:38

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEC0814										
Blank (BEC0814-BLK1)					Prepared: 3/31/2023 Analyzed: 4/6/2023					
Total Filterable Solids (TDS)	10.0		10.0	mg/L						
Duplicate (BEC0814-DUP1)			**Source: 23C0930-01**		Prepared: 3/31/2023 Analyzed: 4/6/2023					
Total Filterable Solids (TDS)	2360		10.0	mg/L		2320			1.71	5
Duplicate (BEC0814-DUP2)			**Source: 23C0960-01**		Prepared: 3/31/2023 Analyzed: 4/6/2023					
Total Filterable Solids (TDS)	3300		10.0	mg/L		3340			1.20	5
Reference (BEC0814-SRM1)					Prepared: 3/31/2023 Analyzed: 4/6/2023					
Total Filterable Solids (TDS)	320			mg/L	325.0		98.5	90-110		

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03/31/23 07:15 23C0963

WATER WORK REQUEST

Bill To: Acct No. 21283 Cons. 08

Purchase Order No. Results Needed By

Client: Delta View Farms #3
Address: 4845 Ave. 304
City, State, Zip: Visalia, CA 93291
Email: deltaviewfarms@aol.com

Copy to: solaconsultinginc@gmail.com

Requested by/Cell: Darren 469-6705

Facility: 4995 Ave 304 Visalia

Date sampled: 3/30/2023

Sampled by: Client - picked up by Cynthia Tiemersma

☑ QA/QC Document ☑ Copy of Chain ☐ RWQCB

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-817

3.31.23

No. of Samples 1 No. Bottles

Water Type:
☑ Ag Water ☐ Drinking ☐ Wastewater
☐ Supply Water ☐ Ground Water ☐ Mon. Well
☐ Other

Analysis and Bottles Required: *(Please Indicate Analysis)*

☐ DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test)**
(1) 1 L plastic, unpreserved (white)

☐ DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS)
(1) 1 L plastic, unpreserved (white)

☑ DCW1: (EC, NO_3-N, TDS)
(1) 1 L plastic, unpreserved (white)

☐ DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK)
(1) 1 L plastic, unpreserved (white)

☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl)
(1) 1 L plastic, unpreserved (white)

☐ Other

DESCRIPTION OF SAMPLES

			Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1.	Mill Creek Sur	Sampled From:	3/30/2023	7:00-7:30		-0.3
2.		Sampled From:				
3.		Sampled From:				
4.		Sampled From:				
5.		Sampled From:				
6.		Sampled From:				
7.		Sampled From:				
8.		Sampled From:				
9.		Sampled From:				
10.		Sampled From:				

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	[signature]	DLI	3/30/23 10:37	3/30/23 12:38
Second				
Third				
Fourth	[signature]	DLI	3/31 0815	

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 attorneys' 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 prties 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 attorneys' fees of Dellavalle Laboratory.

Invoicing Information:
Invoicing
Sampling Hrs ____ Miles ____ Consulting ____
Amt Paid ____ Rec By ____ Check No. ____

Shipping
$ ____ In
$ ____ Out
Date ____

Signature ____

Sample received in cooler with ice?
[ ] Yes [ ] No

ctt:update 2020

03/31/23 07:15 23C0963

Shipping Information: Shipped In ☐ Picked-Up ☒ Walk In ☐ DLI Sampler ☐ Other ☐ _____

☒ Samples refrigerated before pick up ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☒ Box ☐ None ☐ **Refrigerant:** Wet Ice ☒ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ 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 $Na_2S_2O_3$ (Green)										
Plastics	250 mL unpreserved (White) Plastic										
Plastics	250 mL HNO_3 (Red) Plastic										
Plastics	* pH Value										
Plastics	250 mL H_2SO_4 (Yellow) Plastic	C									
Plastics	* pH Value	<2									
Plastics	500 mL unpreserved (White) Plastic										
Plastics	1 L unpreserved (White) Plastic	1									
Plastics	1 L unpreserved (BOD) (Purple) Plastic										
Special	500mL unpreserved (White) Glass										
Special	PO4-P Kit										
Special	**Other:**										
	Sample Containers for Subcontracted ("Send Out") Analyses *(Containers that go in the Subcontract ("Send Out") Refrigerator)*										
Plastics	100 mL sterile plastic $Na_2S_2O_3$ (Green)										
Plastics	250 mL unpreserved (White) Plastic										
Plastics	250 mL HNO_3 (Red) Plastic										
Plastics	250 mL H_2SO_4 (Yellow) Plastic										
Plastics	500 mL HNO_3 (Red)										
Plastics	1 L unpreserved (White) Plastic										
Plastics	1 L unpreserved (BOD) (Purple) Plastic										
Plastics	1 L HNO_3 (Red)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ + MCAA (EPA531)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
VOA Vials	40mL AG VOA unpreserved (White) (Set of 3)										
VOA Vials	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
VOA Vials	40mL VOA, H_3PO_4 (Set of 3)										
VOA Vials	40 mL VOA, HCl (Blue) (Set of 3)										
VOA Vials	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
Glass	250 mL AG H_2SO_4 (Yellow)										
Glass	250 mL AG $Na_2S_2O_3$ (Green)										
Glass	250 mL AG $Na_2S_2O_3$ + MCAA										
Glass	500 mL glass unpreserved (White)										
Glass	500 mL AG HCl (Blue)										
Glass	1 L AG unpreserved (White)										
Glass	1 L AG H_2SO_4 (Yellow)										
Glass	1 L AG $Na_2S_2O_3$ (Green)										
Glass	1 L AG HCl (Blue)										
Special	Cr^{6+} - 50mL Plastic w/Borate/HCO_3/CO_3										
Special	Cyanide - 500 mL NaOH										
Special	Asbestos - 1L P wrapped in foil (Set of 2)										
Special	Sulfide - 1 L **AG** or **P** NaOH + ZnAc										
Special	Chlorite/Bromate - 250 mL AG with EDA										
Special	HAA5 - 250mL AG Ammonium Chlorite										
Special	DO KIT										
Special	**Other:**										

DLI SEND OUT

DELLAVALLE™
LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 12:53

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0913-01	Dairy 1 (DV Dom S)	Ag Water	Client - Picked up by Cynthia Tiemersma		12/13/2023 0:00
23L0913-02	Dom 1 (DVF #2)	Ag Water	Client - Picked up by Cynthia Tiemersma		12/13/2023 0:00
23L0913-03	Mobile Homes	Ag Water	Client - Picked up by Cynthia Tiemersma		12/13/2023 0:00

Default Cooler Temperature on Receipt °C: -0.1
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.

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 12:53

Sample Results

Sample: Dairy 1 (DV Dom S)
23L0913-01 (Water)

Sampled: 12/13/2023 0:00
Sampled By: Client - Picked up by Cynthia Tiemer

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**221**	mg/L	10.0	1		12/19/23 16:30	SM 2320 B		BEL0722
Calcium	**104**	mg/L	0.1	1		12/19/23 09:57	EPA 200.7		BEL0571
Chloride	**55.0**	mg/L	0.2	1	250	12/15/23 07:21	EPA 300.0		BEL0595
Carbonate as CaCO3	ND	mg/L	1	1		12/19/23 16:30	SM 2320 B		BEL0722
Electrical Conductivity	**0.98**	mmhos/cm	0.01	1		12/19/23 16:30	SM 2510 B		BEL0722
Electrical Conductivity umhos	**976**	umhos/cm	10.0	1		12/19/23 16:30	SM 2510 B		BEL0722
Bicarbonate as CaCO3	**221**	mg/L	5.00	1		12/19/23 16:30	SM 2320 B		BEL0722
Potassium	ND	mg/L	0.500	1		12/19/23 09:57	EPA 200.7		BEL0571
Magnesium	**3.2**	mg/L	0.1	1		12/19/23 09:57	EPA 200.7		BEL0571
Sodium	**81**	mg/L	1	1		12/19/23 09:57	EPA 200.7		BEL0571
Ammonia (as N)	*	mg/L	0.00	1		12/14/23 17:35	Field		BEL0647
Nitrate Nitrogen as NO3N	**44.5**	mg/L	0.1	1	10	12/15/23 07:21	EPA 300.0		BEL0595
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/19/23 16:30	SM 2320 B		BEL0722
pH	**7.7**	units	1.0	1		12/19/23 16:30	SM 4500-H+	H	BEL0722
Temperature	**25.0**	units	0.0	1		12/19/23 16:30	SM 4500-H+	H	BEL0722
Sulfate (SO4)	**76.5**	mg/L	0.5	1	250	12/15/23 07:21	EPA 300.0		BEL0595
Total Filterable Solids (TDS)	**730**	mg/L	10.0	1		12/18/23 17:07	SM 2540 C		BEL0601

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DELLAVALLE™
LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 12:53

Sample Results
(Continued)

Sample: Dom 1 (DVF #2)
23L0913-02 (Water)

Sampled: 12/13/2023 0:00
Sampled By: Client - Picked up by Cynthia Tiemer

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**259**	mg/L	10.0	1		12/20/23 11:01	SM 2320 B		BEL0725
Calcium	**139**	mg/L	0.1	1		12/19/23 09:58	EPA 200.7		BEL0571
Chloride	**74.2**	mg/L	0.2	1	250	12/15/23 07:41	EPA 300.0		BEL0595
Carbonate as CaCO3	ND	mg/L	1	1		12/20/23 11:01	SM 2320 B		BEL0725
Electrical Conductivity	**1.11**	mmhos/cm	0.01	1		12/20/23 11:01	SM 2510 B		BEL0725
Electrical Conductivity umhos	**1110**	umhos/cm	10.0	1		12/20/23 11:01	SM 2510 B		BEL0725
Bicarbonate as CaCO3	**259**	mg/L	5.00	1		12/20/23 11:01	SM 2320 B		BEL0725
Potassium	ND	mg/L	0.500	1		12/19/23 09:58	EPA 200.7		BEL0571
Magnesium	**6.9**	mg/L	0.1	1		12/19/23 09:58	EPA 200.7		BEL0571
Sodium	**71**	mg/L	1	1		12/19/23 09:58	EPA 200.7		BEL0571
Ammonia (as N)	*	mg/L	0.00	1		12/14/23 17:35	Field		BEL0647
Nitrate Nitrogen as NO3N	**27.2**	mg/L	0.1	1	10	12/15/23 07:41	EPA 300.0		BEL0595
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/20/23 11:01	SM 2320 B		BEL0725
pH	**7.2**	units	1.0	1		12/20/23 11:01	SM 4500-H+	H	BEL0725
Temperature	**25.0**	units	0.0	1		12/20/23 11:01	SM 4500-H+	H	BEL0725
Sulfate (SO4)	**70.2**	mg/L	0.5	1	250	12/15/23 07:41	EPA 300.0		BEL0595
Total Filterable Solids (TDS)	**760**	mg/L	10.0	1		12/18/23 17:07	SM 2540 C		BEL0601

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LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 12:53

Sample Results
(Continued)

Sample: Mobile Homes
23L0913-03 (Water)

Sampled: 12/13/2023 0:00
Sampled By: Client - Picked up by Cynthia Tiemer

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**178**	mg/L	10.0	1		12/20/23 11:08	SM 2320 B		BEL0725
Calcium	**108**	mg/L	0.1	1		12/19/23 09:59	EPA 200.7		BEL0571
Chloride	**54.2**	mg/L	0.2	1	250	12/15/23 08:02	EPA 300.0		BEL0595
Carbonate as CaCO3	ND	mg/L	1	1		12/20/23 11:08	SM 2320 B		BEL0725
Electrical Conductivity	**1.01**	mmhos/cm	0.01	1		12/20/23 11:08	SM 2510 B		BEL0725
Electrical Conductivity umhos	**1010**	umhos/cm	10.0	1		12/20/23 11:08	SM 2510 B		BEL0725
Bicarbonate as CaCO3	**178**	mg/L	5.00	1		12/20/23 11:08	SM 2320 B		BEL0725
Potassium	ND	mg/L	0.500	1		12/19/23 09:59	EPA 200.7		BEL0571
Magnesium	**4.6**	mg/L	0.1	1		12/19/23 09:59	EPA 200.7		BEL0571
Sodium	**80**	mg/L	1	1		12/19/23 09:59	EPA 200.7		BEL0571
Ammonia (as N)	*	mg/L	0.00	1		12/14/23 17:35	Field		BEL0647
Nitrate Nitrogen as NO3N	**34.3**	mg/L	0.1	1	10	12/15/23 08:02	EPA 300.0		BEL0595
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/20/23 11:08	SM 2320 B		BEL0725
pH	**7.2**	units	1.0	1		12/20/23 11:08	SM 4500-H+	H	BEL0725
Temperature	**25.0**	units	0.0	1		12/20/23 11:08	SM 4500-H+	H	BEL0725
Sulfate (SO4)	**81.5**	mg/L	0.5	1	250	12/15/23 08:02	EPA 300.0		BEL0595
Total Filterable Solids (TDS)	**660**	mg/L	10.0	1		12/18/23 17:07	SM 2540 C		BEL0601

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DELLAVALLE™ LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 12:53

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0571										
Blank (BEL0571-BLK1)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Potassium	ND		0.500	mg/L						
Sodium	ND		1	mg/L						
Calcium	ND		0.1	mg/L						
Magnesium	ND		0.1	mg/L						
Blank (BEL0571-BLK2)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Sodium	ND		1	mg/L						
Calcium	ND		0.1	mg/L						
Potassium	ND		0.500	mg/L						
Magnesium	ND		0.1	mg/L						
LCS (BEL0571-BS1)					Prepared: 12/18/2023	Analyzed: 12/19/2023				
Calcium	38.2		0.1	mg/L	35.71		107	90-110		
Potassium	37.3		0.500	mg/L	35.71		105	90-110		
Sodium	40		1	mg/L	35.71		111	90-110		
Magnesium	38.3		0.1	mg/L	35.71		107	90-110		
LCS (BEL0571-BS2)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Potassium	36.0		0.500	mg/L	35.71		101	90-110		
Calcium	37.4		0.1	mg/L	35.71		105	90-110		
Sodium	39		1	mg/L	35.71		108	90-110		
Magnesium	37.2		0.1	mg/L	35.71		104	90-110		
Duplicate (BEL0571-DUP1)		**Source: 23L0769-01**			Prepared: 12/18/2023	Analyzed: 12/19/2023				
Sodium	143		1	mg/L		142			0.0702	15
Potassium	ND		0.500	mg/L		ND				15
Calcium	6.7		0.1	mg/L		6.7			0.104	15
Magnesium	ND		0.1	mg/L		ND				15
Matrix Spike (BEL0571-MS1)		**Source: 23L0769-01**			Prepared: 12/18/2023	Analyzed: 12/19/2023				
Sodium	184		1	mg/L	35.71	142	116	90-110		
Calcium	47.8		0.1	mg/L	35.71	6.7	115	90-110		
Potassium	39.4		0.500	mg/L	35.71	ND	110	90-110		
Magnesium	39.7		0.1	mg/L	35.71	ND	111	90-110		
Matrix Spike (BEL0571-MS2)		**Source: 23L0880-01**			Prepared: 12/13/2023	Analyzed: 12/19/2023				
Potassium	41.0		0.500	mg/L	35.71	4.94	101	90-110		
Sodium	81		1	mg/L	35.71	45	102	90-110		
Calcium	72.9		0.1	mg/L	35.71	36.9	101	90-110		
Magnesium	48.6		0.1	mg/L	35.71	12.9	99.9	90-110		
Reference (BEL0571-SRM2)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Sodium	92			mg/L	91.50		100	90-110		

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DELLAVALLE™
LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 12:53

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0571 (Continued)										
Reference (BEL0571-SRM2)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Potassium	19.8			mg/L	21.90		90.6	90-110		
Reference (BEL0571-SRM3)					Prepared: 12/13/2023	Analyzed: 12/19/2023				
Calcium	45.9			mg/L	45.90		100	90-110		
Magnesium	35.3			mg/L	35.60		99.2	90-110		

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DELLAVALLE™ LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 12:53

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0595										
Blank (BEL0595-BLK1)					Prepared & Analyzed: 12/14/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0595-BLK2)					Prepared & Analyzed: 12/14/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0595-BLK3)					Prepared & Analyzed: 12/15/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0595-BLK4)					Prepared & Analyzed: 12/15/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0595-BLK5)					Prepared & Analyzed: 12/15/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
LCS (BEL0595-BS1)					Prepared & Analyzed: 12/14/2023					
Chloride	4.7		0.2	mg/L	5.000		94.8	90-110		
Nitrate Nitrogen as NO3N	5.0		0.1	mg/L	5.000		99.1	90-110		
Sulfate (SO4)	4.4		0.5	mg/L	5.000		87.6	90-110		
LCS (BEL0595-BS2)					Prepared & Analyzed: 12/15/2023					
Chloride	4.8		0.2	mg/L	5.000		95.6	90-110		
Nitrate Nitrogen as NO3N	5.0		0.1	mg/L	5.000		99.9	90-110		
Sulfate (SO4)	4.4		0.5	mg/L	5.000		88.3	90-110		
LCS (BEL0595-BS3)					Prepared & Analyzed: 12/15/2023					
Chloride	4.9		0.2	mg/L	5.000		97.5	90-110		
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		102	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		90.1	90-110		
LCS (BEL0595-BS4)					Prepared & Analyzed: 12/15/2023					
Chloride	4.9		0.2	mg/L	5.000		97.0	90-110		
Nitrate Nitrogen as NO3N	5.1		0.1	mg/L	5.000		101	90-110		
Sulfate (SO4)	4.5		0.5	mg/L	5.000		89.1	90-110		

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DELLAVALLE™ LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 12:53

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0595 (Continued)										
Duplicate (BEL0595-DUP1)			**Source: 23L0848-01**		Prepared & Analyzed: 12/14/2023					
Chloride	2.3		0.2	mg/L		2.4			0.679	10
Nitrate Nitrogen as NO3N	0.6		0.1	mg/L		0.6			0.630	10
Sulfate (SO4)	3.7		0.5	mg/L		3.8			0.721	10
Duplicate (BEL0595-DUP2)			**Source: 23L0877-02**		Prepared & Analyzed: 12/15/2023					
Chloride	24.7		0.2	mg/L		24.6			0.451	10
Nitrate Nitrogen as NO3N	0.08		0.1	mg/L		0.08			1.27	10
Sulfate (SO4)	14.0		0.5	mg/L		14.0			0.279	10
Duplicate (BEL0595-DUP3)			**Source: 23L0909-01**		Prepared & Analyzed: 12/15/2023					
Chloride	4.9		0.2	mg/L		5.0			0.425	10
Nitrate Nitrogen as NO3N	2.4		0.1	mg/L		2.4			0.371	10
Sulfate (SO4)	8.8		0.5	mg/L		8.8			0.329	10
Duplicate (BEL0595-DUP4)			**Source: 23L0963-01**		Prepared & Analyzed: 12/15/2023					
Chloride	33.6		0.2	mg/L		33.8			0.572	10
Nitrate Nitrogen as NO3N	19.5		0.1	mg/L		19.5			0.313	10
Sulfate (SO4)	31.0		0.5	mg/L		31.1			0.299	10
Matrix Spike (BEL0595-MS1)			**Source: 23L0848-01**		Prepared & Analyzed: 12/14/2023					
Chloride	7.6		0.2	mg/L	5.000	2.4	104	90-110		
Nitrate Nitrogen as NO3N	5.9		0.1	mg/L	5.000	0.6	105	90-110		
Sulfate (SO4)	8.9		0.5	mg/L	5.000	3.8	102	90-110		
Matrix Spike (BEL0595-MS2)			**Source: 23L0877-02**		Prepared & Analyzed: 12/15/2023					
Chloride	29.1		0.2	mg/L	5.000	24.6	90.2	90-110		
Nitrate Nitrogen as NO3N	5.3		0.1	mg/L	5.000	0.08	104	90-110		
Sulfate (SO4)	19.1		0.5	mg/L	5.000	14.0	103	90-110		
Matrix Spike (BEL0595-MS3)			**Source: 23L0909-01**		Prepared & Analyzed: 12/15/2023					
Chloride	10.1		0.2	mg/L	5.000	5.0	103	90-110		
Nitrate Nitrogen as NO3N	7.7		0.1	mg/L	5.000	2.4	105	90-110		
Sulfate (SO4)	13.8		0.5	mg/L	5.000	8.8	99.2	90-110		
Matrix Spike (BEL0595-MS4)			**Source: 23L0963-01**		Prepared & Analyzed: 12/15/2023					
Chloride	38.6		0.2	mg/L	5.000	33.8	96.1	90-110		
Nitrate Nitrogen as NO3N	24.7		0.1	mg/L	5.000	19.5	102	90-110		
Sulfate (SO4)	36.2		0.5	mg/L	5.000	31.1	102	90-110		
Reference (BEL0595-SRM1)					Prepared & Analyzed: 12/14/2023					
Chloride	12.8			mg/L	12.50		102	90-110		
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		

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DELLAVALLE™ LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/14/2023 7:00
Reported: 12/21/2023 12:53

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0595 (Continued)										
Reference (BEL0595-SRM1)					Prepared & Analyzed: 12/14/2023					
Sulfate (SO4)	9.8			mg/L	10.00		97.8	90-110		
Reference (BEL0595-SRM2)					Prepared & Analyzed: 12/14/2023					
Chloride	12.8			mg/L	12.50		103	90-110		
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Sulfate (SO4)	9.8			mg/L	10.00		98.3	90-110		
Reference (BEL0595-SRM3)					Prepared & Analyzed: 12/15/2023					
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)	9.9			mg/L	10.00		98.5	90-110		
Reference (BEL0595-SRM4)					Prepared & Analyzed: 12/15/2023					
Chloride	12.9			mg/L	12.50		104	90-110		
Nitrate Nitrogen as NO3N	10.3			mg/L	10.00		103	90-110		
Sulfate (SO4)	9.9			mg/L	10.00		99.1	90-110		
Reference (BEL0595-SRM5)					Prepared & Analyzed: 12/15/2023					
Chloride	12.9			mg/L	12.50		103	90-110		
Nitrate Nitrogen as NO3N	10.3			mg/L	10.00		103	90-110		
Sulfate (SO4)	9.9			mg/L	10.00		99.0	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0601										
Blank (BEL0601-BLK1)					Prepared: 12/14/2023	Analyzed: 12/18/2023				
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEL0601-BS1)					Prepared: 12/14/2023	Analyzed: 12/18/2023				
Total Filterable Solids (TDS)	38.8		10.0	mg/L	2000		1.94	0-200		
Duplicate (BEL0601-DUP1)			**Source: 23L0912-01**		Prepared: 12/14/2023	Analyzed: 12/18/2023				
Total Filterable Solids (TDS)	790		10.0	mg/L		790			0.00	10
Duplicate (BEL0601-DUP2)			**Source: 23L0985-03**		Prepared: 12/14/2023	Analyzed: 12/18/2023				
Total Filterable Solids (TDS)	900		10.0	mg/L		910			1.10	10
Reference (BEL0601-SRM1)					Prepared: 12/14/2023	Analyzed: 12/18/2023				
Total Filterable Solids (TDS)	413			mg/L	390.0		106	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0722										
Blank (BEL0722-BLK1)					Prepared & Analyzed: 12/19/2023					
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	5.1		1.0	units						
Alkalinity as CaCO3	ND		10.0	mg/L						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Temperature	25.0		0.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEL0722-BLK2)					Prepared & Analyzed: 12/19/2023					
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
pH	5.4		1.0	units						
Alkalinity as CaCO3	ND		10.0	mg/L						
Electrical Conductivity	ND		0.01	mmhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	units						
Blank (BEL0722-BLK3)					Prepared & Analyzed: 12/19/2023					
Hydroxide as CaCO3	ND		1.00	mg/L						
pH	5.5		1.0	units						
Alkalinity as CaCO3	ND		10.0	mg/L						
Carbonate as CaCO3	ND		1	mg/L						
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEL0722-DUP1)		**Source: 23L0877-05**			Prepared & Analyzed: 12/19/2023					
Electrical Conductivity	0.36		0.01	mmhos/cm		0.36			0.0275	10
pH	7.7		1.0	units		7.7			0.520	10
Alkalinity as CaCO3	119		10.0	mg/L		120			0.184	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Electrical Conductivity umhos	363		10.0	umhos/cm		363			0.0275	10
Duplicate (BEL0722-DUP2)		**Source: 23L0909-03**			Prepared & Analyzed: 12/19/2023					
Electrical Conductivity	0.31		0.01	mmhos/cm		0.32			3.04	10
Carbonate as CaCO3	ND		1	mg/L		ND				10
pH	8.0		1.0	units		7.6			4.61	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Alkalinity as CaCO3	116		10.0	mg/L		107			8.31	10

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Ranch: 4995 Ave 304 Visalia

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0722 (Continued)										
Duplicate (BEL0722-DUP2)			**Source: 23L0909-03**		Prepared & Analyzed: 12/19/2023					
Electrical Conductivity umhos	311		10.0	umhos/cm		320			3.04	10
Reference (BEL0722-SRM1)					Prepared & Analyzed: 12/19/2023					
Alkalinity as CaCO3	127			mg/L	128.0		99.4	90-110		
Electrical Conductivity	429			umhos/cm	426.0		101	90-110		
Reference (BEL0722-SRM2)					Prepared & Analyzed: 12/19/2023					
Electrical Conductivity	432			umhos/cm	426.0		101	90-110		
Alkalinity as CaCO3	128			mg/L	128.0		99.9	90-110		
Reference (BEL0722-SRM3)					Prepared & Analyzed: 12/19/2023					
Alkalinity as CaCO3	138			mg/L	128.0		108	90-110		
Electrical Conductivity	434			umhos/cm	426.0		102	90-110		
Reference (BEL0722-SRM4)					Prepared & Analyzed: 12/19/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEL0722-SRM5)					Prepared & Analyzed: 12/19/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEL0722-SRM6)					Prepared & Analyzed: 12/19/2023					
pH	4.0			units	4.000		99.5	97.5-102.5		
Reference (BEL0722-SRM7)					Prepared & Analyzed: 12/19/2023					
pH	7.5			units	7.520		100	67021-101.32		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0725										
Blank (BEL0725-BLK1)					Prepared: 12/19/2023 Analyzed: 12/20/2023					
pH	5.4		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Alkalinity as CaCO3	ND		10.0	mg/L						
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Temperature	25.0		0.0	units						
Blank (BEL0725-BLK2)					Prepared: 12/19/2023 Analyzed: 12/20/2023					
Hydroxide as CaCO3	ND		1.00	mg/L						
Electrical Conductivity	ND		0.01	mmhos/cm						
Carbonate as CaCO3	ND		1	mg/L						
pH	5.7		1.0	units						
Alkalinity as CaCO3	ND		10.0	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Temperature	25.0		0.0	units						
Blank (BEL0725-BLK3)					Prepared: 12/19/2023 Analyzed: 12/20/2023					
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
pH	5.5		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Alkalinity as CaCO3	ND		10.0	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Temperature	25.0		0.0	units						
Duplicate (BEL0725-DUP1)		**Source: 23L0990-04**			Prepared: 12/19/2023 Analyzed: 12/20/2023					
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
pH	7.1		1.0	units		7.0			0.992	10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Alkalinity as CaCO3	954		10.0	mg/L		950			0.419	10
Electrical Conductivity	1.82		0.01	mmhos/cm		1.84			1.41	10
Electrical Conductivity umhos	1820		10.0	umhos/cm		1840			1.41	10
Duplicate (BEL0725-DUP2)		**Source: 23L1002-02**			Prepared: 12/19/2023 Analyzed: 12/20/2023					
Alkalinity as CaCO3	424		10.0	mg/L		438			3.22	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
pH	7.9		1.0	units		7.9			0.252	10
Carbonate as CaCO3	ND		1	mg/L		ND				10
Electrical Conductivity	1.41		0.01	mmhos/cm		1.41			0.447	10

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0725 (Continued)										
Duplicate (BEL0725-DUP2)			**Source: 23L1002-02**		Prepared: 12/19/2023	Analyzed: 12/20/2023				
Electrical Conductivity umhos	1410		10.0	umhos/cm		1410			0.447	10
Reference (BEL0725-SRM1)					Prepared: 12/19/2023	Analyzed: 12/20/2023				
Electrical Conductivity	439			umhos/cm	426.0		103	90-110		
Alkalinity as CaCO3	128			mg/L	128.0		100	90-110		
Reference (BEL0725-SRM2)					Prepared: 12/19/2023	Analyzed: 12/20/2023				
Electrical Conductivity	436			umhos/cm	426.0		102	90-110		
Alkalinity as CaCO3	119			mg/L	128.0		93.0	90-110		
Reference (BEL0725-SRM3)					Prepared: 12/19/2023	Analyzed: 12/20/2023				
Electrical Conductivity	436			umhos/cm	426.0		102	90-110		
Alkalinity as CaCO3	131			mg/L	128.0		102	90-110		
Reference (BEL0725-SRM4)					Prepared: 12/19/2023	Analyzed: 12/20/2023				
pH	4.1			units	4.000		102	97.5-102.5		
Reference (BEL0725-SRM5)					Prepared: 12/19/2023	Analyzed: 12/20/2023				
pH	4.1			units	4.000		102	97.5-102.5		
Reference (BEL0725-SRM6)					Prepared: 12/19/2023	Analyzed: 12/20/2023				
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0725-SRM7)					Prepared: 12/19/2023	Analyzed: 12/20/2023				
pH	7.6			units	7.520		101	67021-101.3		

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12/14/23 07:00 23L0913

WATER WORK REQUEST

DELLAVALLE LABORATORY, INC.
1910 W. McKinley Avenue, Suite 20 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

Bill To: Acct No. 20531 Cons. 08

No. of Samples ____ No. Bottles 3

Purchase Order No. ____ Results Needed By ____

Water Type: ☐ Drinking ☐ Wastewater ☑ Ag Water ☐ Ground Water ☐ Mon. Well ☐ Supply Water ☐ Other ____

Client: **Delta View Farms 1 & 2**
Address: 4845 Ave. 304
City, State, Zip: Visalia, CA 93291
Email: deltaviewfarms@aol.com

Copy to: solaconsultinginc@gmail.com

Requested by/Cell: Darren 469-6705

Facility: 4995 Ave 304 Visalia

Date sampled: 12/13/23

Sampled by: picked up by CH

☑ QA/QC Document ☑ Copy of Chain ☐ RWQCB

Analysis and Bottles Required: *(Please Indicate Analysis)*

☐ DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test)**
(1) l L plastic, unpreserved (white)

☑ DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS)
(1) l L plastic, unpreserved (white)

☐ DCW1: (EC, NO_3-N, TDS)
(1) l L plastic, unpreserved (white)

☐ DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK)
(1) l L plastic, unpreserved (white)

☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl)
(1) l L plastic, unpreserved (white)

☐ Other ____

DESCRIPTION OF SAMPLES

		Sampled From:	Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1.	Dairy 1 (DV Dom S)	Sampled From:	12/13	—		-0.1
2.	Dom 1 (DVF #2)	Sampled From:	"	—		0.1
3.	Mobile Homes	Sampled From:	"	—		-0.6
4.		Sampled From:				
5.		Sampled From:				
6.		Sampled From:				
7.		Sampled From:				
8.		Sampled From:				
9.		Sampled From:				
10.		Sampled From:				

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	CH	DLI	12/13/23 3:29	12/13/23 4:15
Second				
Third				
Fourth		DLI	12/14 07:00	

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 attorneys' 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 prties 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 attorneys' fees of Dellavalle Laboratory.

Invoicing Information:
Price List 2023
Sampling Hrs ____ Miles ____ Consulting ____
Amt Paid ____ Rec By ____ Check No. ____

Shipping
$ ____ In
$ ____ Out
Date ____

Signature ____

Sample received in cooler with ice?
[ ] Yes [ ] No

ctt update 2020

12/14/23 07:00 23L0913

Shipping Information: Shipped In ☐ Picked-Up ☑ Walk In ☐ DLI Sampler ☐ Other ☐ _____

☐ Samples refrigerated before pick up ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☑ Box ☐ None ☐ **Refrigerant:** Wet Ice ☑ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ 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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	1	1							
	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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_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, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (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:										

DRAFT

DELLAVALLE™
LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L1153-01	DVF	Ground Water	Client /Cynthia Tiemersma		12/18/2023 0:00
23L1153-02	Sarquis	Ground Water	Client /Cynthia Tiemersma		12/18/2023 0:00
23L1153-03	Mobile Homes	Ground Water	Client /Cynthia Tiemersma		12/17/2023 0:00
23L1153-04	Camera 1	Ground Water	Client /Cynthia Tiemersma		12/18/2023 0:00
23L1153-05	Rogers	Ground Water	Client /Cynthia Tiemersma		12/18/2023 0:00
23L1153-06	Greg's House	Ground Water	Client /Cynthia Tiemersma		12/17/2023 0:00
23L1153-07	Dairy 1 (DV Dom S)	Ground Water	Client /Cynthia Tiemersma		12/17/2023 0:00
23L1153-08	G & M Dom	Ground Water	Client /Cynthia Tiemersma		12/17/2023 0:00
23L1153-09	Dom 1 (DVF #2)	Ground Water	Client /Cynthia Tiemersma		12/17/2023 0:00
23L1153-10	Dom 2 (DVF #2)	Ground Water	Client /Cynthia Tiemersma		12/17/2023 0:00

Default Cooler Temperature on Receipt °C: 0.4

Containers Intact
COC/Labels Agree
Received On Ice
Time Sampled Not Provided

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4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

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.

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Sample Results

Sample: DVF
23L1153-01 (Water)

Sampled: 12/18/2023 0:00
Sampled By: Client /Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**160**	mg/L	10.0	1		12/21/23 11:22	SM 2320 B		BEL0773
Calcium	**123**	mg/L	0.1	1		12/27/23 09:57	EPA 200.7		BEL0812
Chloride	**61.6**	mg/L	0.2	1	250	12/20/23 16:17	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 11:22	SM 2320 B		BEL0773
Electrical Conductivity	**1.10**	mmhos/cm	0.01	1		12/21/23 11:22	SM 2510 B		BEL0773
Electrical Conductivity umhos	**1100**	umhos/cm	10.0	1		12/21/23 11:22	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**160**	mg/L	5.00	1		12/21/23 11:22	SM 2320 B		BEL0773
Potassium	ND	mg/L	0.500	1		12/27/23 09:57	EPA 200.7		BEL0812
Magnesium	**5.2**	mg/L	0.1	1		12/27/23 09:57	EPA 200.7		BEL0812
Sodium	**82**	mg/L	1	1		12/27/23 09:57	EPA 200.7		BEL0812
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**46.4**	mg/L	0.1	1	10	12/20/23 16:17	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 11:22	SM 2320 B		BEL0773
pH	**7.1**	units	1.0	1		12/21/23 11:22	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 11:22	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**75.9**	mg/L	0.5	1	250	12/20/23 16:17	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**750**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Sample Results
(Continued)

Sample: Sarquis
23L1153-02 (Water)

Sampled: 12/18/2023 0:00
Sampled By: Client /Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**142**	mg/L	10.0	1		12/21/23 11:27	SM 2320 B		BEL0773
Calcium	**115**	mg/L	0.1	1		12/21/23 10:51	EPA 200.7		BEL0697
Chloride	**57.8**	mg/L	0.2	1	250	12/20/23 16:37	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 11:27	SM 2320 B		BEL0773
Electrical Conductivity	**1.07**	mmhos/cm	0.01	1		12/21/23 11:27	SM 2510 B		BEL0773
Electrical Conductivity umhos	**1070**	umhos/cm	10.0	1		12/21/23 11:27	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**142**	mg/L	5.00	1		12/21/23 11:27	SM 2320 B		BEL0773
Potassium	**1.20**	mg/L	0.500	1		12/21/23 10:51	EPA 200.7		BEL0697
Magnesium	**3.7**	mg/L	0.1	1		12/21/23 10:51	EPA 200.7		BEL0697
Sodium	**82**	mg/L	1	1		12/21/23 10:51	EPA 200.7		BEL0697
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**46.7**	mg/L	0.1	1	10	12/20/23 16:37	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 11:27	SM 2320 B		BEL0773
pH	**7.2**	units	1.0	1		12/21/23 11:27	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 11:27	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**81.1**	mg/L	0.5	1	250	12/20/23 16:37	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**780**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Sample Results
(Continued)

Sample: Mobile Homes
23L1153-03 (Water)

Sampled: 12/17/2023 0:00
Sampled By: Client /Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**180**	mg/L	10.0	1		12/21/23 11:33	SM 2320 B		BEL0773
Calcium	**118**	mg/L	0.1	1		12/21/23 10:52	EPA 200.7		BEL0697
Chloride	**57.9**	mg/L	0.2	1	250	12/20/23 16:57	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 11:33	SM 2320 B		BEL0773
Electrical Conductivity	**1.04**	mmhos/cm	0.01	1		12/21/23 11:33	SM 2510 B		BEL0773
Electrical Conductivity umhos	**1040**	umhos/cm	10.0	1		12/21/23 11:33	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**180**	mg/L	5.00	1		12/21/23 11:33	SM 2320 B		BEL0773
Potassium	**0.997**	mg/L	0.500	1		12/21/23 10:52	EPA 200.7		BEL0697
Magnesium	**5.1**	mg/L	0.1	1		12/21/23 10:52	EPA 200.7		BEL0697
Sodium	**78**	mg/L	1	1		12/21/23 10:52	EPA 200.7		BEL0697
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**36.7**	mg/L	0.1	1	10	12/20/23 16:57	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 11:33	SM 2320 B		BEL0773
pH	**7.3**	units	1.0	1		12/21/23 11:33	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 11:33	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**88.3**	mg/L	0.5	1	250	12/20/23 16:57	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**730**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Sample Results
(Continued)

Sample: Camera 1
23L1153-04 (Water)

Sampled: 12/18/2023 0:00
Sampled By: Client /Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**250**	mg/L	10.0	1		12/21/23 11:38	SM 2320 B		BEL0773
Calcium	**161**	mg/L	0.1	1		12/21/23 10:54	EPA 200.7		BEL0697
Chloride	**62.6**	mg/L	0.2	1	250	12/20/23 17:16	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 11:38	SM 2320 B		BEL0773
Electrical Conductivity	**1.27**	mmhos/cm	0.01	1		12/21/23 11:38	SM 2510 B		BEL0773
Electrical Conductivity umhos	**1270**	umhos/cm	10.0	1		12/21/23 11:38	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**250**	mg/L	5.00	1		12/21/23 11:38	SM 2320 B		BEL0773
Potassium	**0.720**	mg/L	0.500	1		12/21/23 10:54	EPA 200.7		BEL0697
Magnesium	**6.5**	mg/L	0.1	1		12/21/23 10:54	EPA 200.7		BEL0697
Sodium	**86**	mg/L	1	1		12/21/23 10:54	EPA 200.7		BEL0697
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**33.9**	mg/L	0.1	1	10	12/20/23 17:16	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 11:38	SM 2320 B		BEL0773
pH	**7.5**	units	1.0	1		12/21/23 11:38	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 11:38	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**152**	mg/L	0.5	1	250	12/20/23 17:16	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**830**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Sample Results
(Continued)

Sample: Rogers
23L1153-05 (Water)

Sampled: 12/18/2023 0:00
Sampled By: Client /Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**73.2**	mg/L	10.0	1		12/21/23 11:45	SM 2320 B		BEL0773
Calcium	**69.7**	mg/L	0.1	1		12/21/23 10:55	EPA 200.7		BEL0697
Chloride	**41.2**	mg/L	0.2	1	250	12/20/23 17:36	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 11:45	SM 2320 B		BEL0773
Electrical Conductivity	**0.77**	mmhos/cm	0.01	1		12/21/23 11:45	SM 2510 B		BEL0773
Electrical Conductivity umhos	**772**	umhos/cm	10.0	1		12/21/23 11:45	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**73.2**	mg/L	5.00	1		12/21/23 11:45	SM 2320 B		BEL0773
Potassium	**0.610**	mg/L	0.500	1		12/21/23 10:55	EPA 200.7		BEL0697
Magnesium	**2.1**	mg/L	0.1	1		12/21/23 10:55	EPA 200.7		BEL0697
Sodium	**66**	mg/L	1	1		12/21/23 10:55	EPA 200.7		BEL0697
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**34.4**	mg/L	0.1	1	10	12/20/23 17:36	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 11:45	SM 2320 B		BEL0773
pH	**7.2**	units	1.0	1		12/21/23 11:45	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 11:45	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**84.6**	mg/L	0.5	1	250	12/20/23 17:36	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**550**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Sample Results
(Continued)

Sample: Greg's House
23L1153-06 (Water)

Sampled: 12/17/2023 0:00
Sampled By: Client /Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**274**	mg/L	10.0	1		12/21/23 11:49	SM 2320 B		BEL0773
Calcium	**204**	mg/L	0.1	1		12/21/23 10:56	EPA 200.7		BEL0697
Chloride	**64.3**	mg/L	0.2	1	250	12/20/23 17:56	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 11:49	SM 2320 B		BEL0773
Electrical Conductivity	**1.44**	mmhos/cm	0.01	1		12/21/23 11:49	SM 2510 B		BEL0773
Electrical Conductivity umhos	**1440**	umhos/cm	10.0	1		12/21/23 11:49	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**274**	mg/L	5.00	1		12/21/23 11:49	SM 2320 B		BEL0773
Potassium	**0.990**	mg/L	0.500	1		12/21/23 10:56	EPA 200.7		BEL0697
Magnesium	**8.9**	mg/L	0.1	1		12/21/23 10:56	EPA 200.7		BEL0697
Sodium	**72**	mg/L	1	1		12/21/23 10:56	EPA 200.7		BEL0697
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**61.0**	mg/L	0.1	1	10	12/20/23 17:56	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 11:49	SM 2320 B		BEL0773
pH	**7.4**	units	1.0	1		12/21/23 11:49	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 11:49	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**115**	mg/L	0.5	1	250	12/20/23 17:56	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**1070**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Sample Results
(Continued)

Sample: Dairy 1 (DV Dom S)
23L1153-07 (Water)

Sampled: 12/17/2023 0:00
Sampled By: Client /Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**140**	mg/L	10.0	1		12/21/23 11:56	SM 2320 B		BEL0773
Calcium	**125**	mg/L	0.1	1		12/21/23 10:57	EPA 200.7		BEL0697
Chloride	**58.2**	mg/L	0.2	1	250	12/20/23 18:15	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 11:56	SM 2320 B		BEL0773
Electrical Conductivity	**1.02**	mmhos/cm	0.01	1		12/21/23 11:56	SM 2510 B		BEL0773
Electrical Conductivity umhos	**1020**	umhos/cm	10.0	1		12/21/23 11:56	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**140**	mg/L	5.00	1		12/21/23 11:56	SM 2320 B		BEL0773
Potassium	**1.16**	mg/L	0.500	1		12/21/23 10:57	EPA 200.7		BEL0697
Magnesium	**3.9**	mg/L	0.1	1		12/21/23 10:57	EPA 200.7		BEL0697
Sodium	**91**	mg/L	1	1		12/21/23 10:57	EPA 200.7		BEL0697
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**47.0**	mg/L	0.1	1	10	12/20/23 18:15	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 11:56	SM 2320 B		BEL0773
pH	**7.4**	units	1.0	1		12/21/23 11:56	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 11:56	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**82.1**	mg/L	0.5	1	250	12/20/23 18:15	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**780**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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Received: 12/20/2023 8:10
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Sample Results
(Continued)

Sample: G & M Dom
23L1153-08 (Water)

Sampled: 12/17/2023 0:00
Sampled By: Client /Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**319**	mg/L	10.0	1		12/21/23 12:01	SM 2320 B		BEL0773
Calcium	**144**	mg/L	0.1	1		12/21/23 10:58	EPA 200.7		BEL0697
Chloride	**69.4**	mg/L	0.2	1	250	12/20/23 18:35	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 12:01	SM 2320 B		BEL0773
Electrical Conductivity	**1.18**	mmhos/cm	0.01	1		12/21/23 12:01	SM 2510 B		BEL0773
Electrical Conductivity umhos	**1180**	umhos/cm	10.0	1		12/21/23 12:01	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**319**	mg/L	5.00	1		12/21/23 12:01	SM 2320 B		BEL0773
Potassium	**0.980**	mg/L	0.500	1		12/21/23 10:58	EPA 200.7		BEL0697
Magnesium	**8.2**	mg/L	0.1	1		12/21/23 10:58	EPA 200.7		BEL0697
Sodium	**85**	mg/L	1	1		12/21/23 10:58	EPA 200.7		BEL0697
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**25.7**	mg/L	0.1	1	10	12/20/23 18:35	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 12:01	SM 2320 B		BEL0773
pH	**7.4**	units	1.0	1		12/21/23 12:01	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 12:01	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**73.8**	mg/L	0.5	1	250	12/20/23 18:35	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**760**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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Received: 12/20/2023 8:10
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Sample Results
(Continued)

Sample: Dom 1 (DVF #2)
23L1153-09 (Water)

Sampled: 12/17/2023 0:00
Sampled By: Client /Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**218**	mg/L	10.0	1		12/21/23 12:24	SM 2320 B		BEL0773
Calcium	**124**	mg/L	0.1	1		12/21/23 11:00	EPA 200.7		BEL0697
Chloride	**72.1**	mg/L	0.2	1	250	12/20/23 21:14	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 12:24	SM 2320 B		BEL0773
Electrical Conductivity	**1.04**	mmhos/cm	0.01	1		12/21/23 12:24	SM 2510 B		BEL0773
Electrical Conductivity umhos	**1040**	umhos/cm	10.0	1		12/21/23 12:24	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**218**	mg/L	5.00	1		12/21/23 12:24	SM 2320 B		BEL0773
Potassium	**1.26**	mg/L	0.500	1		12/21/23 11:00	EPA 200.7		BEL0697
Magnesium	**4.8**	mg/L	0.1	1		12/21/23 11:00	EPA 200.7		BEL0697
Sodium	**76**	mg/L	1	1		12/21/23 11:00	EPA 200.7		BEL0697
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**29.8**	mg/L	0.1	1	10	12/20/23 21:14	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 12:24	SM 2320 B		BEL0773
pH	**7.5**	units	1.0	1		12/21/23 12:24	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 12:24	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**71.5**	mg/L	0.5	1	250	12/20/23 21:14	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**660**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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Received: 12/20/2023 8:10
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Sample Results
(Continued)

Sample: Dom 2 (DVF #2)
23L1153-10 (Water)

Sampled: 12/17/2023 0:00
Sampled By: Client /Cynthia Tiemersma

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	**216**	mg/L	10.0	1		12/21/23 12:30	SM 2320 B		BEL0773
Calcium	**123**	mg/L	0.1	1		12/21/23 11:01	EPA 200.7		BEL0697
Chloride	**71.7**	mg/L	0.2	1	250	12/20/23 21:34	EPA 300.0		BEL0730
Carbonate as CaCO3	ND	mg/L	1	1		12/21/23 12:30	SM 2320 B		BEL0773
Electrical Conductivity	**1.03**	mmhos/cm	0.01	1		12/21/23 12:30	SM 2510 B		BEL0773
Electrical Conductivity umhos	**1030**	umhos/cm	10.0	1		12/21/23 12:30	SM 2510 B		BEL0773
Bicarbonate as CaCO3	**216**	mg/L	5.00	1		12/21/23 12:30	SM 2320 B		BEL0773
Potassium	**1.20**	mg/L	0.500	1		12/21/23 11:01	EPA 200.7		BEL0697
Magnesium	**4.8**	mg/L	0.1	1		12/21/23 11:01	EPA 200.7		BEL0697
Sodium	**79**	mg/L	1	1		12/21/23 11:01	EPA 200.7		BEL0697
Ammonia (as N)	*	mg/L	0.00	1		12/20/23 09:36	Field		BEL0765
Nitrate Nitrogen as NO3N	**29.9**	mg/L	0.1	1	10	12/20/23 21:34	EPA 300.0		BEL0730
Hydroxide as CaCO3	ND	mg/L	1.00	1		12/21/23 12:30	SM 2320 B		BEL0773
pH	**7.6**	units	1.0	1		12/21/23 12:30	SM 4500-H+	H	BEL0773
Temperature	**25.0**	units	0.0	1		12/21/23 12:30	SM 4500-H+	H	BEL0773
Sulfate (SO4)	**70.9**	mg/L	0.5	1	250	12/20/23 21:34	EPA 300.0		BEL0730
Total Filterable Solids (TDS)	**690**	mg/L	10.0	1		12/21/23 14:16	SM 2540 C		BEL0764

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Account# 00-0020531
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Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0697										
Blank (BEL0697-BLK1)					Prepared: 12/18/2023 Analyzed: 12/21/2023					
Sodium	ND		1	mg/L						
Calcium	ND		0.1	mg/L						
Potassium	ND		0.500	mg/L						
Magnesium	ND		0.1	mg/L						
Blank (BEL0697-BLK2)					Prepared: 12/18/2023 Analyzed: 12/21/2023					
Sodium	ND		1	mg/L						
Potassium	ND		0.500	mg/L						
Calcium	ND		0.1	mg/L						
Magnesium	ND		0.1	mg/L						
LCS (BEL0697-BS1)					Prepared: 12/18/2023 Analyzed: 12/21/2023					
Sodium	38		1	mg/L	35.71		107	90-110		
Calcium	37.2		0.1	mg/L	35.71		104	90-110		
Potassium	37.4		0.500	mg/L	35.71		105	90-110		
Magnesium	37.5		0.1	mg/L	35.71		105	90-110		
LCS (BEL0697-BS2)					Prepared: 12/18/2023 Analyzed: 12/21/2023					
Sodium	37		1	mg/L	35.71		104	90-110		
Potassium	36.2		0.500	mg/L	35.71		101	90-110		
Calcium	37.4		0.1	mg/L	35.71		105	90-110		
Magnesium	37.1		0.1	mg/L	35.71		104	90-110		
Duplicate (BEL0697-DUP1)		**Source: 23L0778-01**			Prepared: 12/18/2023 Analyzed: 12/21/2023					
Potassium	ND		0.500	mg/L		ND				15
Calcium	3.7		0.1	mg/L		3.5			5.77	15
Sodium	12		1	mg/L		12			5.67	15
Magnesium	0.8		0.1	mg/L		0.7			5.67	15
Matrix Spike (BEL0697-MS1)		**Source: 23L0778-01**			Prepared: 12/20/2023 Analyzed: 12/21/2023					
Sodium	51		1	mg/L	35.71	12	111	90-110		
Calcium	42.0		0.1	mg/L	35.71	3.5	108	90-110		
Potassium	38.2		0.500	mg/L	35.71	ND	107	90-110		
Magnesium	39.1		0.1	mg/L	35.71	0.7	107	90-110		
Matrix Spike (BEL0697-MS2)		**Source: 23L1153-08**			Prepared: 12/20/2023 Analyzed: 12/21/2023					
Potassium	38.9		0.500	mg/L	35.71	0.980	106	90-110		
Calcium	191		0.1	mg/L	35.71	144	131	90-110		
Sodium	127		1	mg/L	35.71	85	119	90-110		
Magnesium	46.7		0.1	mg/L	35.71	8.2	108	90-110		
Reference (BEL0697-SRM2)					Prepared: 12/18/2023 Analyzed: 12/21/2023					
Sodium	93			mg/L	91.50		102	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0697 (Continued)										
Reference (BEL0697-SRM2)					Prepared: 12/18/2023	Analyzed: 12/21/2023				
Potassium	21.9			mg/L	21.90		100	90-110		
Reference (BEL0697-SRM3)					Prepared: 12/18/2023	Analyzed: 12/21/2023				
Calcium	46.7			mg/L	45.90		102	90-110		
Magnesium	36.2			mg/L	35.60		102	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0730										
Blank (BEL0730-BLK1)					Prepared & Analyzed: 12/20/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0730-BLK2)					Prepared & Analyzed: 12/20/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0730-BLK3)					Prepared & Analyzed: 12/21/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
Blank (BEL0730-BLK4)					Prepared & Analyzed: 12/21/2023					
Chloride	ND		0.2	mg/L						
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Sulfate (SO4)	ND		0.5	mg/L						
LCS (BEL0730-BS1)					Prepared & Analyzed: 12/20/2023					
Chloride	5.0		0.2	mg/L	5.000		100	90-110		
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
Sulfate (SO4)	4.7		0.5	mg/L	5.000		94.8	90-110		
LCS (BEL0730-BS2)					Prepared & Analyzed: 12/21/2023					
Chloride	5.0		0.2	mg/L	5.000		99.9	90-110		
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		103	90-110		
Sulfate (SO4)	4.7		0.5	mg/L	5.000		95.0	90-110		
LCS (BEL0730-BS3)					Prepared & Analyzed: 12/21/2023					
Chloride	5.0		0.2	mg/L	5.000		101	90-110		
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		104	90-110		
Sulfate (SO4)	4.8		0.5	mg/L	5.000		95.4	90-110		
Duplicate (BEL0730-DUP1)		**Source: 23L1151-02**			Prepared & Analyzed: 12/20/2023					
Chloride	14.2		0.2	mg/L		14.2			0.240	10
Nitrate Nitrogen as NO3N	3.9		0.1	mg/L		3.9			0.413	10
Sulfate (SO4)	12.9		0.5	mg/L		12.9			0.441	10
Duplicate (BEL0730-DUP2)		**Source: 23L1169-01**			Prepared & Analyzed: 12/21/2023					
Chloride	0.4		0.2	mg/L		0.4			0.00	10
Nitrate Nitrogen as NO3N	0.05		0.1	mg/L		0.05			0.00	10
Sulfate (SO4)	0.2		0.5	mg/L		0.2				10

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0730 (Continued)										
Duplicate (BEL0730-DUP3)			**Source: 23L1205-02**		Prepared & Analyzed: 12/21/2023					
Chloride	13.5		0.2	mg/L		13.6			0.773	10
Nitrate Nitrogen as NO3N	1.2		0.1	mg/L		1.3			0.958	10
Sulfate (SO4)	3.3		0.5	mg/L		3.3			0.367	10
Matrix Spike (BEL0730-MS1)			**Source: 23L1151-02**		Prepared & Analyzed: 12/20/2023					
Chloride	19.3		0.2	mg/L	5.000	14.2	102	90-110		
Nitrate Nitrogen as NO3N	9.2		0.1	mg/L	5.000	3.9	107	90-110		
Sulfate (SO4)	18.3		0.5	mg/L	5.000	12.9	107	90-110		
Matrix Spike (BEL0730-MS2)			**Source: 23L1169-01**		Prepared & Analyzed: 12/21/2023					
Chloride	5.6		0.2	mg/L	5.000	0.4	104	90-110		
Nitrate Nitrogen as NO3N	5.3		0.1	mg/L	5.000	0.05	104	90-110		
Sulfate (SO4)	5.0		0.5	mg/L	5.000	0.2	100	90-110		
Matrix Spike (BEL0730-MS3)			**Source: 23L1205-02**		Prepared & Analyzed: 12/21/2023					
Chloride	18.6		0.2	mg/L	5.000	13.6	99.1	90-110		
Nitrate Nitrogen as NO3N	6.6		0.1	mg/L	5.000	1.3	106	90-110		
Sulfate (SO4)	8.5		0.5	mg/L	5.000	3.3	105	90-110		
Reference (BEL0730-SRM1)					Prepared & Analyzed: 12/20/2023					
Chloride	13.3			mg/L	12.50		106	90-110		
Nitrate Nitrogen as NO3N	10.5			mg/L	10.00		105	90-110		
Sulfate (SO4)	10.4			mg/L	10.00		104	90-110		
Reference (BEL0730-SRM2)					Prepared & Analyzed: 12/20/2023					
Chloride	13.2			mg/L	12.50		106	90-110		
Nitrate Nitrogen as NO3N	10.5			mg/L	10.00		105	90-110		
Sulfate (SO4)	10.3			mg/L	10.00		103	90-110		
Reference (BEL0730-SRM3)					Prepared & Analyzed: 12/21/2023					
Chloride	13.2			mg/L	12.50		106	90-110		
Nitrate Nitrogen as NO3N	10.5			mg/L	10.00		105	90-110		
Sulfate (SO4)	10.3			mg/L	10.00		103	90-110		
Reference (BEL0730-SRM4)					Prepared & Analyzed: 12/21/2023					
Chloride	13.2			mg/L	12.50		106	90-110		
Nitrate Nitrogen as NO3N	10.5			mg/L	10.00		105	90-110		
Sulfate (SO4)	10.4			mg/L	10.00		104	90-110		

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DELLAVALLE™
LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0764										
Blank (BEL0764-BLK1)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
Total Filterable Solids (TDS)	ND		10.0	mg/L						
LCS (BEL0764-BS1)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
Total Filterable Solids (TDS)	28.8		10.0	mg/L	2000		1.44	0-200		
Duplicate (BEL0764-DUP1)			**Source: 23L1151-01**		Prepared: 12/20/2023	Analyzed: 12/21/2023				
Total Filterable Solids (TDS)	730		10.0	mg/L		710			2.78	10
Duplicate (BEL0764-DUP2)			**Source: 23L1153-10**		Prepared: 12/20/2023	Analyzed: 12/21/2023				
Total Filterable Solids (TDS)	680		10.0	mg/L		690			1.46	10
Reference (BEL0764-SRM1)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
Total Filterable Solids (TDS)	390			mg/L	390.0		100	90-110		

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DELLAVALLE™ LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0773										
Blank (BEL0773-BLK1)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Hydroxide as CaCO3	ND		1.00	mg/L						
pH	5.0		1.0	units						
Carbonate as CaCO3	ND		1	mg/L						
Electrical Conductivity	ND		0.01	mmhos/cm						
Alkalinity as CaCO3	ND		10.0	mg/L						
Temperature	25.0		0.0	units						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEL0773-BLK2)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
Alkalinity as CaCO3	ND		10.0	mg/L						
pH	5.4		1.0	units						
Hydroxide as CaCO3	ND		1.00	mg/L						
Electrical Conductivity	ND		0.01	mmhos/cm						
Carbonate as CaCO3	ND		1	mg/L						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	units						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Blank (BEL0773-BLK3)					Prepared: 12/20/2023 Analyzed: 12/21/2023					
pH	5.4		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Alkalinity as CaCO3	ND		10.0	mg/L						
Carbonate as CaCO3	ND		1	mg/L						
Hydroxide as CaCO3	ND		1.00	mg/L						
Temperature	25.0		0.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Bicarbonate as CaCO3	ND		5.00	mg/L						
Duplicate (BEL0773-DUP1)		**Source: 23L1153-08**			Prepared: 12/20/2023 Analyzed: 12/21/2023					
Electrical Conductivity	1.18		0.01	mmhos/cm		1.18			0.127	10
Carbonate as CaCO3	ND		1	mg/L		ND				10
pH	7.4		1.0	units		7.4			0.674	10
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Alkalinity as CaCO3	318		10.0	mg/L		319			0.226	10
Electrical Conductivity umhos	1180		10.0	umhos/cm		1180			0.127	10
Duplicate (BEL0773-DUP2)		**Source: 23L1185-01**			Prepared: 12/20/2023 Analyzed: 12/21/2023					
Hydroxide as CaCO3	ND		1.00	mg/L		ND				10
Alkalinity as CaCO3	152		10.0	mg/L		152			0.0790	10
pH	7.1		1.0	units		7.0			0.568	10
Electrical Conductivity	0.38		0.01	mmhos/cm		0.39			1.15	10
Carbonate as CaCO3	ND		1	mg/L		ND				10

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Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0773 (Continued)										
Duplicate (BEL0773-DUP2)			**Source: 23L1185-01**		Prepared: 12/20/2023	Analyzed: 12/21/2023				
Electrical Conductivity umhos	382		10.0	umhos/cm		386			1.15	10
Reference (BEL0773-SRM1)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
Alkalinity as CaCO3	124			mg/L	128.0		97.1	90-110		
Electrical Conductivity	456			umhos/cm	426.0		107	90-110		
Reference (BEL0773-SRM2)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
Alkalinity as CaCO3	127			mg/L	128.0		99.6	90-110		
Electrical Conductivity	457			umhos/cm	426.0		107	90-110		
Reference (BEL0773-SRM3)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
Alkalinity as CaCO3	127			mg/L	128.0		99.0	90-110		
Electrical Conductivity	449			umhos/cm	426.0		105	90-110		
Reference (BEL0773-SRM4)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0773-SRM5)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0773-SRM6)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
pH	4.0			units	4.000		99.8	97.5-102.5		
Reference (BEL0773-SRM7)					Prepared: 12/20/2023	Analyzed: 12/21/2023				
pH	7.5			units	7.520		99.7	67021-101.32		

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DELLAVALLE™ LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0812										
Blank (BEL0812-BLK1)					Prepared: 12/26/2023	Analyzed: 12/27/2023				
Sodium	ND		1	mg/L						
Calcium	ND		0.1	mg/L						
Potassium	ND		0.500	mg/L						
Magnesium	ND		0.1	mg/L						
Blank (BEL0812-BLK2)					Prepared: 12/26/2023	Analyzed: 12/27/2023				
Sodium	ND		1	mg/L						
Potassium	ND		0.500	mg/L						
Calcium	ND		0.1	mg/L						
Magnesium	ND		0.1	mg/L						
LCS (BEL0812-BS1)					Prepared: 12/26/2023	Analyzed: 12/27/2023				
Calcium	35.9		0.1	mg/L	35.71		100	90-110		
Sodium	35		1	mg/L	35.71		99.4	90-110		
Potassium	35.4		0.500	mg/L	35.71		99.2	90-110		
Magnesium	35.7		0.1	mg/L	35.71		99.9	90-110		
LCS (BEL0812-BS2)					Prepared: 12/26/2023	Analyzed: 12/27/2023				
Potassium	36.5		0.500	mg/L	35.71		102	90-110		
Sodium	39		1	mg/L	35.71		109	90-110		
Calcium	37.9		0.1	mg/L	35.71		106	90-110		
Magnesium	38.4		0.1	mg/L	35.71		108	90-110		
Duplicate (BEL0812-DUP1)		**Source: 23L1246-01**			Prepared: 12/26/2023	Analyzed: 12/27/2023				
Sodium	186		1	mg/L		177			4.90	15
Calcium	64.6		0.1	mg/L		61.3			5.22	15
Potassium	1.51		0.500	mg/L		1.38			8.87	15
Magnesium	27.9		0.1	mg/L		26.5			5.14	15
Matrix Spike (BEL0812-MS1)		**Source: 23L1246-01**			Prepared: 12/26/2023	Analyzed: 12/27/2023				
Potassium	41.9		0.500	mg/L	35.71	1.38	113	90-110		
Sodium	222		1	mg/L	35.71	177	126	90-110		
Calcium	107		0.1	mg/L	35.71	61.3	128	90-110		
Magnesium	67.8		0.1	mg/L	35.71	26.5	116	90-110		
Matrix Spike (BEL0812-MS2)		**Source: 23L1251-04**			Prepared: 12/26/2023	Analyzed: 12/27/2023				
Calcium	153		0.1	mg/L	35.71	110	120	90-110		
Potassium	43.1		0.500	mg/L	35.71	4.06	109	90-110		
Sodium	98		1	mg/L	35.71	58	114	90-110		
Magnesium	76.6		0.1	mg/L	35.71	36.2	113	90-110		
Reference (BEL0812-SRM2)					Prepared: 12/26/2023	Analyzed: 12/27/2023				
Sodium	94			mg/L	91.50		103	90-110		

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DELLAVALLE™ LABORATORY INC

Delta View Farms 1 & 2
4845 Avenue 304
Visalia, CA 93291

Account# 00-0020531
Account Manager: Ben Nydam
Submitted By: Darren
Ranch: 4995 Ave 304 Visalia

Received: 12/20/2023 8:10
Reported: 12/27/2023 13:44

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0812 (Continued)										
Reference (BEL0812-SRM2)					Prepared: 12/26/2023	Analyzed: 12/27/2023				
Potassium	21.6			mg/L	21.90		98.6	90-110		
Reference (BEL0812-SRM3)					Prepared: 12/26/2023	Analyzed: 12/27/2023				
Calcium	47.2			mg/L	45.90		103	90-110		
Magnesium	36.8			mg/L	35.60		103	90-110		

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12/20/23 08:10 23L1153

JG

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

WATER WORK REQUEST

Bill To: Acct No. 20531 Cons. 08

Purchase Order No. _____ Results Needed By _____

No. of Samples 10 No. Bottles 10

Water Type:
- [ ] Ag Water
- [ ] Supply Water
- [ ] Drinking
- [x] Ground Water
- [ ] Other
- [ ] Wastewater
- [ ] Mon. Well

Client: **Delta View Farms 1 & 2**
Address: 4845 Ave. 304
City, State, Zip: Visalia, CA 93291
Email: deltaviewfarms@aol.com

Copy to: solaconsultinginc@gmail.com

Requested by/Cell: Darren 469-6705

Facility: 4995 Ave 304 Visalia

Date sampled: picked up 12/19/23

Sampled by: Client / Cynthia Tiemersma

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

Analysis and Bottles Required: *(Please Indicate Analysis)*

- [ ] DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test)**
  (1) 1 L plastic, unpreserved (white)
- [x] DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS)
  (1) 1 L plastic, unpreserved (white)
- [ ] DCW1: (EC, NO_3-N, TDS)
  (1) 1 L plastic, unpreserved (white)
- [ ] DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK)
  (1) 1 L plastic, unpreserved (white)
- [ ] DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl)
  (1) 1 L plastic, unpreserved (white)
- [ ] Other

DESCRIPTION OF SAMPLES

			Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1.	DVF	Sampled From:	12/18/23			0.4
2.	Sarquis	Sampled From:	12/18/23			-0.8
3.	Mobile Homes	Sampled From:	12/17/23			-0.4
4.	Camera 1	Sampled From:	12/18/23			-0.9
5.	Rogers	Sampled From:	12/18/23			-0.7
6.	Greg's House	Sampled From:	12/17/23			-0.4
7.	Dairy 1 (DV Dom S)	Sampled From:	12/17/23			-0.8
8.	G&M Dom	Sampled From:	12/17/23			-0.3
9.	Dom 1 (DVF #2)	Sampled From:	12/17/23			0.1
10.	Dom 2 (DVF #2)	Sampled From:	12/17/23			0.2

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	CH	DLL	12/19/23 1:50	12/19/23 2:43
Second				
Third				
Fourth	NZ	~~12/20~~ DLL	12/20/23 8:10	

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 attorneys' 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 prties 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 attorneys' fees of Dellavalle Laboratory.

Invoicing Information:
Price List 2023
Sampling Hrs ____ Miles ____ Consulting ____

Shipping
$ _____ In
$ _____ Out

Amt Paid ____ Rec By ____ Check No. ____ Date ____

Signature _____

Sample received in cooler with ice?
[ ] Yes [ ] No

ctt:update 2020

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Laboratory

Pas

12/20/23 08:10 23L1153

Shipping Information: Shipped In ☐ Picked-Up ☐ Walk In ☐ DLI Sampler ☐ Other ☒ Hanford

☐ Samples refridgerated before pick up ☐ Picked up samples placed in Ice chest

Container: Ice Chest ☒ Box ☐ None ☐ **Refrigerant:** Wet Ice ☒ Blue Ice ☐ None ☐

Samples Preserved with HNO_3 or H_2SO_4 were: ☐ Received Preserved ☐ 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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	* pH Value										
	250 mL H_2SO_4 (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1	1	1	1	1	1	1	1	1	1
	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 $Na_2S_2O_3$ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO_3 (Red) Plastic										
	250 mL H_2SO_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, $Na_2S_2O_3$ + MCAA (EPA531)										
	40 mL VOA, $Na_2S_2O_3$ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
	40mL VOA, H_3PO_4 (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, $Na_2S_2O_3$ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H_2SO_4 (Yellow)										
	250 mL AG $Na_2S_2O_3$ (Green)										
	250 mL AG $Na_2S_2O_3$ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H_2SO_4 (Yellow)										
	1 L AG $Na_2S_2O_3$ (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:										

SEND OUT

ATTACHMENT D

Manure/Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

Instructions:

1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
2) If there are multiple destinations, **complete a separate form for each destination**.
3) The operator must obtain the signature of the hauler upon completion of each manure-hauling event.
4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

Operator Information:

Name of Operator: Darren Dias

Name of Dairy Facility: Delta View Farms

Facility Address: 4995 Ave 304 (Number and Street) Visalia (City) 93291 (Zip Code)

Contact Person Name and Phone Number: Darren (Name) 559-469-6705 (Phone Number)

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Delta View Farms #3

Address of Hauling Company /Person: 4590 Ave 304 (Number and Street) Visalia (City) 93291 (Zip Code)

Contact Person: Darren Dias (Name) 559-469-6705 (Phone Number)

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) _____ (please circle one)

Contact information of Composting Facility, Broker, Farmer, or Other (as identified above):

Name	Number and Street	City	Zip Code	Phone Number
Darren Dias	4845 Ave 304	Visalia	93291	559-469-6705

Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

Number and Street	City	Zip Code	Assessor's Parcel Number
			073-030-001, 002, 003, 073-170-034

Dates Hauled: 1-1-23 – 12-31-23

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: _____ Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): _____

Manure Density (if amount reported in cubic yards): _____

Method used to determine amount of manure: _____

_____

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount.

Process Wastewater: _3,600,000_____ Gallons

Method used to determine volume of process wastewater: __Pump Rate_____

_____

Written Agreement:
Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use? (please check one)

__X_ Yes _____ No

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after **31 December 2007** to such party.
_____ (Operator shall provide initials here to acknowledge this requirement).

Certification:
I declare under the penalty of law that I personally examined and am familiar with the information submitted in this document, 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 a fine and imprisonment for knowing violations.

Operator's Signature: _____ Date: 1-19-24

Hauler's Signature: Same Date: 1/19-24