



Livingston Dairy Consulting, Inc.

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

Cunha Dairy #1 WDID 5C16NC00119
6680 16th Ave. Hanford, CA 93230

<input checked="" type="checkbox"/>	Annual Report
<input checked="" type="checkbox"/>	Water Analysis Samples
<input checked="" type="checkbox"/>	Manure Manifest
<input checked="" type="checkbox"/>	Facility / Land Map
<input checked="" type="checkbox"/>	CCA Nitrogen Retrofit Report
<input type="checkbox"/>	
<input type="checkbox"/>	

GEO Tracker Confirmation #

Date:

Facility Info

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

Name of the Facility

Dairy Name: Cunha Dairy #1 WDID 5C16NC00119
Facility Address: 6680 16th Ave. Hanford, CA 93230
Original Operation Date: 6/1/1930
Facility APN's: x004 x090 x020 xxxx
RWQCB Basin Plan Designation: Tulare Lake Basin
☐ Check if any information has changed

Owner(s)

Owner(s) Name: Eliseu & Theresa Cunha
Mailing Address: 6596 16th Ave. Hanford, CA 93230
Home Phone Number: 559-582-3282
Cell Phone Number:
☐ Check if any information has changed

Operator(s)

Operator(s) Name: Same as owner
Mailing Address:
Home Phone Number:
Cell Phone Number:
☐ Check if any information has changed

Herd Information

	Milk Cows	Dry Cows	Bred Heifers (12-24 mo)	Heifers (3-12 mo)	Calves (0-3 mo)
Open Confinement:			542	260	
Number Under Roof					
Maximum Number			542	260	
Average Number			542	260	
Average Live Weight (lbs)			780	570	

Average Milk Production:

0

Predominant Milk Cow Breed:

Jersey-Holstein Cross

Manure Generated:

Total manure excreted by the herd:

2,735.60 ton/yr

Total nitrogen from manure:

251,632 lbs

Total salt from manure:

19,982 lbs

68,079 lbs

176,143 lbs per reporting period

Process Wastewater Generated:

Process wastewater generated:

gal

Total nitrogen generated:

lbs

lbs

lbs

Total salt (TDS) generated:

lbs

List of Land Application Areas

Field Name	APN	APN Acres	Cropable Acres	Total Harvest	Type of Waste Applied
Dutra	x004 x090 x020 xxxx	82	52	2	P.W. & D.M.
Vaz	x004 x090 x022 xxxx, x004 x090 x023 xxxx	78	74	2	P.W. & D.M.
Uncle Sam	x004 x090 x016 xxxx, x004 x090 x043 xxxx	59	56	2	P.W. & D.M.
Total Crop Acres			182.00		

List of Fresh Water Sources

Source Description	Type	Subsurface (Tile) Drainage Sources
N. of House	Ground Water	No
Milk Barn	Ground Water	No
Vaz-16th/Mid Field	Ground Water	No
Vaz/Silveria	Ground Water	No
Vaz-W. 16th	Ground Water	No
Shop	Ground Water	No
Dutra N. Pecans	Ground Water	No
Dutra N. of Heifers	Ground Water	No
New Well W. of Rental	Ground Water	No
Uncle Sam (Diesel)	Ground Water	No
Vaz-S of Canal	Ground Water	No
Dutra by Pecans	Ground Water	No
Dutra S of Heifers	Ground Water	No
Canal		-

Winter Crops & Harvest

[illegible]

*Detectable L Valley Tech
Dellavalle*

0.10%
0.001%

0.01%	0.01%
0.01%	0.003%

0.05%
0.001%

General Minerals

[illegible]

Soil Analysis (Winter)

[illegible]

Detectable Limits

Valley Tech

DellaValle

0.1

0.1

1.1

0.2

0.0015

0.0001%

Soil Analysis (Summer)

[illegible]

Detectable Limits

Valley Tech

DellaValle

0.1

0.1

0.1

0.1

1.1

0.2

0.0015

0.0001%

Nutrient Import & Export

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

X
No

Yes, Manifest attached (Attachment D)

Total Dry Manure Exported

Nutrient Import

No Dry manure nutrient imports entered

No Process wastewater nutrient imports entered

No Commercial or other nutrient imports entered

Total Process Water Exported

[illegible]

Process Water & Manure Analysis

Process Water															
Quarters:	NHAN (mg/L)	TKN (mg/L)	TP (mg/L)	TK (mg/L)	NO3N (mg/L)	NH3N (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	CO3 (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	CL (mg/L)	EC (ds/m)	TDS (mg/L)
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Detectable Limits

Valley Tech	2.0	5.0	0.1	0.2	0.01	0.05	0.4	0.10	0.9	3	0.01	0.03	0.10	10
Dellavalle	0.2	0.7	0.02	0.2									0.001	10

Qtr	Sample #:	Sample Date:	Source	Inorg N	Org N	P2O5	K2O
1	No Water		-	-	-	-	-
2	No Water		-	-	-	-	-
3	No Water		-	-	-	-	-
4	No Water		-	-	-	-	-

Description	Sample #:	Date:	As Is/ Dry Weight	Source	Material Type
Manure	23C0687	3/20/2023	Dry Weight	Dellavalle	Corral Solids
Manure	23L0359	12/6/2023	Dry Weight	Dellavalle	Corral Solids

Dry Manure: (As Recvd)	TN %	TP %	TK %	Ca	Mg	Na	S	CL	Salt	TFS	Moisture %
Corral	1.31	0.06	0.06	0.18	0.07	0.20	0.03	0.10	-	60.70	26.22
Corral	1.45	0.67	2.43	-	-	-	-	-	-	-	30.78

Detectable Limits

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

Acres: **52.00**

**Dry Weight
As Received**

Field Name/Number: Dutra Acres: 52

	Total N (lbs/ac)	Total P (lbs/ac)	Total K (lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	230.7	13.6	13.6	1328.6
Nutrients Removed at Harvest	-335.2	-101.0	-503.8	0.0
Nutrient Balance	-104.6	-87.4	-490.2	1328.6

Winter Nitrogen Crop App / Use Ratio: **0.98**Summer Nitrogen Crop App / Use Ratio: **1.11**Field Name/Number: Dutra Acres: 52 **Winter Crop Wheat, Silage**

Nutrient Summary :		Applied		N		
W. Manure App.		11.5	T/Ac	120.5	31.2	16.3
W. Comm Fert App.		-	lbs/Ac	-	-	-
Process Water	Q1	-	Ac In /Ac	-	-	-
	Q2	-	Ac In /Ac	-	-	-
Well Water		25.52	Ac In /Ac	0.0		
Canal		-	Ac In /Ac	-		
Atm. Depos.		Yes		7.0		
W. Planting	11/6/22					
W. Harvest	5/1/23	17.2	T/Ac	(130.6)	(69.7)	(251.1)

Summer Crop Corn, Silage

Nutrient Summary :		Applied		N		
S. Manure App.		-	T/Ac	-	-	-
S. Comm Fert App.		110.0	lbs/Ac	110.0	-	-
Process Water	Q2	-	Ac In /Ac	-	-	-
	Q3	-	Ac In /Ac	-	-	-
	Q4	-	Ac In /Ac	-	-	-
Well Water		34.0	Ac In /Ac	110.07714		
Canal		-	Ac In /Ac	-		
Atm. Depos.		Yes		7.0		
S. Planting	5/28/23					
S. Harvest	9/12/23	26.7	T/Ac	(204.6)	(161.6)	(353.5)

Acres: 74.00

Totals:

Field Name/Number: VazAcres: 74.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K (lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	170.1	0.0	0.0	1914.5
Nutrients Removed at Harvest	-311.9	-44.0	-428.9	0.0
Nutrient Balance	-141.8	-44.0	-428.9	1914.5

Winter Nitrogen Crop App / Use Ratio: 1.05

Summer Nitrogen Crop App / Use Ratio: 1.23

Field Name/Number: Vaz Acres: 74

Winter Crop		Wheat, Silage				
Nutrient Summary :		Applied	N			
W. Manure App.		-	T/Ac	-	-	-
W. Comm Fert App.		80.0	lbs/Ac	80.0		
Process Water	Q1	-	Ac In /Ac	-	-	-
	Q2	-	Ac In /Ac	-	-	-
Well Water		27.1	Ac In /Ac	80.1		
Canal		-	Ac In /Ac	-		
Atm. Depos.		Yes		7.0		
W. Planting	10/28/22					
W. Harvest	5/2/23	16.5	T/Ac	(159.5)	(79.5)	(278.6)

Summer Crop		Corn, Silage				
Nutrient Summary :		Applied	N			
S. Manure App.		-	T/Ac	-	-	-
S. Comm Fert App.		90.0	lbs/Ac	90.0	-	-
Process Water	Q2	-	Ac In /Ac	-	-	-
	Q3	-	Ac In /Ac	-	-	-
	Q4	-	Ac In /Ac	-	-	-
Well Water		34.0	Ac In /Ac	90.1		
Canal		-	Ac In /Ac	-		
Atm. Depos.		Yes		7.0		
S. Planting	5/28/23					
S. Harvest	9/12/23	20.9	T/Ac	(152.4)	(151.2)	(341.3)

Nutrient Applications

Field Name/Number: **Uncle Sam**

Acres: **56.00**

Date	Event / Source	Dry Manure Applied (tons/ac)	Moist. %	Chem Fert total lbs	Fresh Water Applied (ac-in/ac)	Lagoon Water Applied (ac-in/ac)	Lab Sample Data					Yield	
							N (lbs/Ac)	Total P (lbs/Ac)	Total K (lbs/Ac)	Salt (lbs/Ac)	TFS %	Expected Yield (tons/ac)	Actual Yield (tons/ac)
2/15/23	W. Comm Fert App.	-	-	90	-	-	90.0	-	-	-	-	-	-
11/19/22	W. Planting	-	-	-	-	-	-	-	-	-	-	-	-
1/4/23	Uncle Sam (Diesel)	-	-	-	6.78	-	0.3	-	-	507	-	-	-
2/15/23	Uncle Sam (Diesel)	-	-	-	6.96	-	0.3	-	-	521	-	-	-
4/9/23	Uncle Sam (Diesel)	-	-	-	6.85	-	0.3	-	-	513	-	-	-
5/15/23	W. Harvest	-	-	-	-	-	(180.2)	(29.5)	(234.6)	-	10.10	-	14.45
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
7/5/23	S. Comm Fert App.	-	-	90	-	-	90.0	-	-	-	-	-	-
5/18/23	Uncle Sam (Diesel)	-	-	-	6.89	-	0.3	-	-	515	-	-	-
6/4/23	S. Planting	-	-	-	-	-	-	-	-	-	-	-	-
6/10/23	Uncle Sam (Diesel)	-	-	-	6.75	-	0.3	-	-	505	-	-	-
7/5/23	Uncle Sam (Diesel)	-	-	-	6.68	-	0.3	-	-	500	-	-	-
7/26/23	Uncle Sam (Diesel)	-	-	-	6.82	-	0.3	-	-	510	-	-	-
8/22/23	Uncle Sam (Diesel)	-	-	-	6.57	-	0.3	-	-	492	-	-	-
9/13/23	S. Harvest	-	-	-	-	-	(149.7)	(50.8)	(233.4)	-	7.70	-	23.84
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals:		0.0		180	54.29	0.00	(147)	(80)	(468)	4,062	17.80	0	38.29

Field Name/Number: Uncle SamAcres: 56.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	182.5	0.0	0.0	4062.4
Nutrients Removed at Harvest	-329.9	-35.0	-388.5	0.0
Nutrient Balance	-147.4	-35.0	-388.5	4062.4

Winter Nitrogen Crop App / Use Ratio: 1.04

Summer Nitrogen Crop App / Use Ratio: 1.26

Field Name/Number: Uncle Sam Acres: 56

Winter Crop		Wheat, Silage				
Nutrient Summary :		Applied		N		
W. Manure App.		-	T/Ac	-	-	-
W. Comm Fert App.		90.0	lbs/Ac	90.0		
Process Water	Q1	-	Ac In /Ac	-	-	-
	Q2	-	Ac In /Ac	-	-	-
Well Water		20.6	Ac In /Ac	90.9		
Canal		-	Ac In /Ac	-		
Atm. Depos.		Yes		7.0		
W. Planting	11/19/22					
W. Harvest	5/15/23	14.4	T/Ac	(180.2)	(67.5)	(281.6)

Summer Crop		Corn, Silage				
Nutrient Summary :		Applied		N		
S. Manure App.		-	T/Ac	-	-	-
S. Comm Fert App.		90.0	lbs/Ac	90.0	-	-
Process Water	Q2	-	Ac In /Ac	-	-	-
	Q3	-	Ac In /Ac	-	-	-
	Q4	-	Ac In /Ac	-	-	-
Well Water		33.7	Ac In /Ac	91.5		
Canal		-	Ac In /Ac	-		
Atm. Depos.		Yes		7.0		
S. Planting	6/4/23					
S. Harvest	9/13/23	23.8	T/Ac	(149.7)	(116.3)	(280.1)

Notes

Without allowance for the significant amount of rainfall during the winter months of 2022/2023, the irrigation logs on each field page of the annual report, reflect canal and/or well used only during that time frame. The facility did not irrigate during the "Significant Storm Events".

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

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

J.C. (Initial)

Exception Reporting

Manure , Process Water and Other Dairy Waste Discharges:

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

No, manure or process water discharges occurred during the reporting period

Storm Water Discharges:

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

No, storm water discharges occurred during the reporting period

Land Application Area To Surface Water Discharges:

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

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

Nutrient Management Plan (NMP) & Written Agreement Statement

Nutrient Management Plan Statement:

Was the facility NMP updated in the reporting period?

No

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

No

Written Agreements:

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

No

Owner and/or Operator Certification

**I certify under penalty of law that all information submitted as part of this document is accurate and true. Certification signatures by a California Registered Professional have been supplied as needed in Part II. I have personally examined and am familiar with the information submitted in Parts I and II of this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.*

Theresa Cunha
Signature of Owner of Facility

Signature of Operator of Facility

Eliseu & Theresa Cunha

Same as owner

Print Name

Print Name

MAY 9th 2024

Date

Date

6680 16th Avenue Hanford, 93290



2023

DELLAVALLE™

LABORATORY INC

Cunha Dairy #1
6596 16th Ave
Hanford, CA 93230

Account# 00-0015898
Account Manager: Ben Nydam
Submitted By: Theresa
Ranch: 6596 16th Ave, Hanford

Received: 09/01/2023 7:00
Reported: 09/06/2023 11:32

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23I0219-01	North of House	Ag Water	Client		08/31/2023 8:30
23I0219-02	North of Milk Barn	Ag Water	Client		08/31/2023 8:40
23I0219-03	New Well W. of Rental	Ag Water	Client		08/31/2023 8:50
23I0219-04	VAZ-S of Canal	Ag Water	Client		08/31/2023 8:55
23I0219-05	Shop	Ag Water	Client		08/31/2023 9:25
23I0219-06	VAZ-16th & Middle of Fld	Ag Water	Client		08/31/2023 9:05
23I0219-07	Dutra N of Hfrs	Ag Water	Client		08/31/2023 9:15
23I0219-08	Dutra by Pecans	Ag Water	Client		08/31/2023 10:00
23I0219-09	Uncle Sam	Ag Water	Client		08/31/2023 10:10

Default Cooler Temperature on Receipt °C: 14.3
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.



Laboratory Director/Technical Manager

ELAP Certification #1595

A2LA Certification #6440.02

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

1910 W. McKinley Ave Suite 110 Fresno, CA 93728 559-233-6129 www.dellavallelab.com

DELLAVALLE™

LABORATORY INC

Cunha Dairy #1
6596 16th Ave
Hanford, CA 93230

Account# 00-0015898
Account Manager: Ben Nydam
Submitted By: Theresa
Ranch: 6596 16th Ave, Hanford

Received: 09/01/2023 7:00
Reported: 09/06/2023 11:32

Sample Results

Sample: North of House
23I0219-01 (Water)

Sampled: 8/31/2023 8:30

Sampled By: Client

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	89.8	mg/L	10.0	1		09/01/23 13:38	SM 2320 B		BEI0004
Calcium	3.0	mg/L	0.1	1		09/05/23 14:16	EPA 200.7		BEI0027
Chloride	13.5	mg/L	0.2	1	250	09/01/23 18:37	EPA 300.0		BEH1479
Carbonate as CaCO3	11	mg/L	1	1		09/01/23 13:38	SM 2320 B		BEI0004
Electrical Conductivity	0.38	mmhos/cm	0.01	1		09/01/23 13:38	SM 2510 B		BEI0004
Electrical Conductivity umhos	384	umhos/cm	10.0	1		09/01/23 13:38	SM 2510 B		BEI0004
Bicarbonate as CaCO3	78.6	mg/L	5.00	1		09/01/23 13:38	SM 2320 B		BEI0004
Potassium	ND	mg/L	0.500	1		09/05/23 14:16	EPA 200.7		BEI0027
Magnesium	ND	mg/L	0.1	1		09/05/23 14:16	EPA 200.7		BEI0027
Sodium	83	mg/L	1	1		09/05/23 14:16	EPA 200.7		BEI0027
Ammonia (as N)	ND	mg/L	0.00	1		08/31/23 08:30	Field		BEI0009
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	09/01/23 18:37	EPA 300.0		BEH1479
Hydroxide as CaCO3	ND	mg/L	1.00	1		09/01/23 13:38	SM 2320 B		BEI0004
pH	8.9	units	1.0	1		09/01/23 13:38	SM 4500-H+	H	BEI0004
Sulfate (SO4)	61.5	mg/L	0.5	1	250	09/01/23 18:37	EPA 300.0		BEH1479
Total Filterable Solids (TDS)	237	mg/L	10.0	1		09/05/23 14:53	SM 2540 C		BEI0010

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LABORATORY INC

Cunha Dairy #1
6596 16th Ave
Hanford, CA 93230

Account# 00-0015898
Account Manager: Ben Nydam
Submitted By: Theresa
Ranch: 6596 16th Ave, Hanford

Received: 09/01/2023 7:00
Reported: 09/06/2023 11:32

Sample Results (Continued)

**Sample: North of Milk Barn
23I0219-02 (Water)**

Sampled: 8/31/2023 8:40
Sampled By: Client

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO₃	91.0	mg/L	10.0	1		09/01/23 13:41	SM 2320 B		BEI0004
Calcium	3.3	mg/L	0.1	1		09/05/23 14:17	EPA 200.7		BEI0027
Chloride	13.1	mg/L	0.2	1	250	09/01/23 18:57	EPA 300.0		BEH1479
Carbonate as CaCO₃	13	mg/L	1	1		09/01/23 13:41	SM 2320 B		BEI0004
Electrical Conductivity	0.39	mmhos/cm	0.01	1		09/01/23 13:41	SM 2510 B		BEI0004
Electrical Conductivity umhos	385	umhos/cm	10.0	1		09/01/23 13:41	SM 2510 B		BEI0004
Bicarbonate as CaCO₃	78.4	mg/L	5.00	1		09/01/23 13:41	SM 2320 B		BEI0004
Potassium	ND	mg/L	0.500	1		09/05/23 14:17	EPA 200.7		BEI0027
Magnesium	ND	mg/L	0.1	1		09/05/23 14:17	EPA 200.7		BEI0027
Sodium	83	mg/L	1	1		09/05/23 14:17	EPA 200.7		BEI0027
Ammonia (as N)	ND	mg/L	0.00	1		08/31/23 08:40	Field		BEI0009
Nitrate Nitrogen as NO ₃ N	ND	mg/L	0.1	1	10	09/01/23 18:57	EPA 300.0		BEH1479
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		09/01/23 13:41	SM 2320 B		BEI0004
pH	9.0	units	1.0	1		09/01/23 13:41	SM 4500-H+	H	BEI0004
Sulfate (SO₄)	59.5	mg/L	0.5	1	250	09/01/23 18:57	EPA 300.0		BEH1479
Total Filterable Solids (TDS)	230	mg/L	10.0	1		09/05/23 14:53	SM 2540 C		BEI0010

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DELLAVALLETM

LABORATORY INC

Cunha Dairy #1
6596 16th Ave
Hanford, CA 93230

Account# 00-0015898
Account Manager: Ben Nydam
Submitted By: Theresa
Ranch: 6596 16th Ave, Hanford

Received: 09/01/2023 7:00
Reported: 09/06/2023 11:32

Sample Results

(Continued)

Sample: New Well W. of Rental
23I0219-03 (Water)

Sampled: 8/31/2023 8:50
Sampled By: Client

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO₃	89.1	mg/L	10.0	1		09/01/23 13:45	SM 2320 B		BEI0004
Calcium	3.2	mg/L	0.1	1		09/05/23 14:18	EPA 200.7		BEI0027
Chloride	13.5	mg/L	0.2	1	250	09/01/23 19:16	EPA 300.0		BEH1479
Carbonate as CaCO₃	12	mg/L	1	1		09/01/23 13:45	SM 2320 B		BEI0004
Electrical Conductivity	0.39	mmhos/cm	0.01	1		09/01/23 13:45	SM 2510 B		BEI0004
Electrical Conductivity umhos	388	umhos/cm	10.0	1		09/01/23 13:45	SM 2510 B		BEI0004
Bicarbonate as CaCO₃	77.3	mg/L	5.00	1		09/01/23 13:45	SM 2320 B		BEI0004
Potassium	ND	mg/L	0.500	1		09/05/23 14:18	EPA 200.7		BEI0027
Magnesium	ND	mg/L	0.1	1		09/05/23 14:18	EPA 200.7		BEI0027
Sodium	89	mg/L	1	1		09/05/23 14:18	EPA 200.7		BEI0027
Ammonia (as N)	ND	mg/L	0.00	1		08/31/23 08:50	Field		BEI0009
Nitrate Nitrogen as NO ₃ N	ND	mg/L	0.1	1	10	09/01/23 19:16	EPA 300.0		BEH1479
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		09/01/23 13:45	SM 2320 B		BEI0004
pH	8.9	units	1.0	1		09/01/23 13:45	SM 4500-H+	H	BEI0004
Sulfate (SO₄)	61.4	mg/L	0.5	1	250	09/01/23 19:16	EPA 300.0		BEH1479
Total Filterable Solids (TDS)	230	mg/L	10.0	1		09/05/23 14:53	SM 2540 C		BEI0010

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LABORATORY INC

Cunha Dairy #1
6596 16th Ave
Hanford, CA 93230

Account# 00-0015898
Account Manager: Ben Nydam
Submitted By: Theresa
Ranch: 6596 16th Ave, Hanford

Received: 09/01/2023 7:00
Reported: 09/06/2023 11:32

Sample Results (Continued)

**Sample: VAZ-S of Canal
23I0219-04 (Water)**

Sampled: 8/31/2023 8:55
Sampled By: Client

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO₃	89.3	mg/L	10.0	1		09/01/23 14:02	SM 2320 B		BEI0004
Calcium	3.0	mg/L	0.1	1		09/05/23 14:19	EPA 200.7		BEI0027
Chloride	13.8	mg/L	0.2	1	250	09/01/23 19:36	EPA 300.0		BEH1479
Carbonate as CaCO₃	10	mg/L	1	1		09/01/23 14:02	SM 2320 B		BEI0004
Electrical Conductivity	0.40	mmhos/cm	0.01	1		09/01/23 14:02	SM 2510 B		BEI0004
Electrical Conductivity umhos	396	umhos/cm	10.0	1		09/01/23 14:02	SM 2510 B		BEI0004
Bicarbonate as CaCO₃	79.1	mg/L	5.00	1		09/01/23 14:02	SM 2320 B		BEI0004
Potassium	ND	mg/L	0.500	1		09/05/23 14:19	EPA 200.7		BEI0027
Magnesium	ND	mg/L	0.1	1		09/05/23 14:19	EPA 200.7		BEI0027
Sodium	80	mg/L	1	1		09/05/23 14:19	EPA 200.7		BEI0027
Ammonia (as N)	ND	mg/L	0.00	1		08/31/23 08:55	Field		BEI0009
Nitrate Nitrogen as NO ₃ N	ND	mg/L	0.1	1	10	09/01/23 19:36	EPA 300.0		BEH1479
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		09/01/23 14:02	SM 2320 B		BEI0004
pH	8.8	units	1.0	1		09/01/23 14:02	SM 4500-H+	H	BEI0004
Sulfate (SO₄)	62.4	mg/L	0.5	1	250	09/01/23 19:36	EPA 300.0		BEH1479
Total Filterable Solids (TDS)	233	mg/L	10.0	1		09/05/23 14:53	SM 2540 C		BEI0010

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LABORATORY INC

Cunha Dairy #1
6596 16th Ave
Hanford, CA 93230

Account# 00-0015898
Account Manager: Ben Nydam
Submitted By: Theresa
Ranch: 6596 16th Ave, Hanford

Received: 09/01/2023 7:00
Reported: 09/06/2023 11:32

Sample Results

(Continued)

Sample: Shop
23I0219-05 (Water)

Sampled: 8/31/2023 9:25
Sampled By: Client

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	272	mg/L	10.0	1		09/01/23 14:05	SM 2320 B		BEI0004
Calcium	87.8	mg/L	0.1	1		09/05/23 14:20	EPA 200.7		BEI0027
Chloride	64.0	mg/L	0.2	1	250	09/01/23 19:56	EPA 300.0		BEH1479
Carbonate as CaCO ₃	ND	mg/L	1	1		09/01/23 14:05	SM 2320 B		BEI0004
Electrical Conductivity	0.98	mmhos/cm	0.01	1		09/01/23 14:05	SM 2510 B		BEI0004
Electrical Conductivity umhos	975	umhos/cm	10.0	1		09/01/23 14:05	SM 2510 B		BEI0004
Bicarbonate as CaCO ₃	272	mg/L	5.00	1		09/01/23 14:05	SM 2320 B		BEI0004
Potassium	2.84	mg/L	0.500	1		09/05/23 14:20	EPA 200.7		BEI0027
Magnesium	21.2	mg/L	0.1	1		09/05/23 14:20	EPA 200.7		BEI0027
Sodium	99	mg/L	1	1		09/05/23 14:20	EPA 200.7		BEI0027
Ammonia (as N)	ND	mg/L	0.00	1		08/31/23 09:25	Field		BEI0009
Nitrate Nitrogen as NO ₃ N	0.2	mg/L	0.1	1	10	09/01/23 19:56	EPA 300.0		BEH1479
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		09/01/23 14:05	SM 2320 B		BEI0004
pH	7.6	units	1.0	1		09/01/23 14:05	SM 4500-H+	H	BEI0004
Sulfate (SO ₄)	104	mg/L	0.5	1	250	09/01/23 19:56	EPA 300.0		BEH1479
Total Filterable Solids (TDS)	610	mg/L	10.0	1		09/05/23 14:53	SM 2540 C		BEI0010

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LABORATORY INC

Cunha Dairy #1
6596 16th Ave
Hanford, CA 93230

Account# 00-0015898
Account Manager: Ben Nydam
Submitted By: Theresa
Ranch: 6596 16th Ave, Hanford

Received: 09/01/2023 7:00
Reported: 09/06/2023 11:32

Sample Results (Continued)

**Sample: VAZ-16th & Middle of Fld
23I0219-06 (Water)**

Sampled: 8/31/2023 9:05
Sampled By: Client

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	88.5	mg/L	10.0	1		09/01/23 14:12	SM 2320 B		BEI0004
Calcium	3.0	mg/L	0.1	1		09/05/23 14:21	EPA 200.7		BEI0027
Chloride	13.7	mg/L	0.2	1	250	09/01/23 20:15	EPA 300.0		BEH1479
Carbonate as CaCO ₃	11	mg/L	1	1		09/01/23 14:12	SM 2320 B		BEI0004
Electrical Conductivity	0.39	mmhos/cm	0.01	1		09/01/23 14:12	SM 2510 B		BEI0004
Electrical Conductivity umhos	387	umhos/cm	10.0	1		09/01/23 14:12	SM 2510 B		BEI0004
Bicarbonate as CaCO ₃	77.4	mg/L	5.00	1		09/01/23 14:12	SM 2320 B		BEI0004
Potassium	ND	mg/L	0.500	1		09/05/23 14:21	EPA 200.7		BEI0027
Magnesium	ND	mg/L	0.1	1		09/05/23 14:21	EPA 200.7		BEI0027
Sodium	82	mg/L	1	1		09/05/23 14:21	EPA 200.7		BEI0027
Ammonia (as N)	ND	mg/L	0.00	1		08/31/23 09:05	Field		BEI0009
Nitrate Nitrogen as NO ₃ N	ND	mg/L	0.1	1	10	09/01/23 20:15	EPA 300.0		BEH1479
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		09/01/23 14:12	SM 2320 B		BEI0004
pH	8.9	units	1.0	1		09/01/23 14:12	SM 4500-H+	H	BEI0004
Sulfate (SO ₄)	62.0	mg/L	0.5	1	250	09/01/23 20:15	EPA 300.0		BEH1479
Total Filterable Solids (TDS)	230	mg/L	10.0	1		09/05/23 14:53	SM 2540 C		BEI0010

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LABORATORY INC

Cunha Dairy #1
6596 16th Ave
Hanford, CA 93230

Account# 00-0015898
Account Manager: Ben Nydam
Submitted By: Theresa
Ranch: 6596 16th Ave, Hanford

Received: 09/01/2023 7:00
Reported: 09/06/2023 11:32

Sample Results

(Continued)

Sample: Dutra N of Hfrs
23I0219-07 (Water)

Sampled: 8/31/2023 9:15
Sampled By: Client

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO₃	91.2	mg/L	10.0	1		09/01/23 14:16	SM 2320 B		BEI0004
Calcium	2.8	mg/L	0.1	1		09/05/23 14:23	EPA 200.7		BEI0027
Chloride	12.7	mg/L	0.2	1	250	09/01/23 20:35	EPA 300.0		BEH1479
Carbonate as CaCO₃	11	mg/L	1	1		09/01/23 14:16	SM 2320 B		BEI0004
Electrical Conductivity	0.37	mmhos/cm	0.01	1		09/01/23 14:16	SM 2510 B		BEI0004
Electrical Conductivity umhos	372	umhos/cm	10.0	1		09/01/23 14:16	SM 2510 B		BEI0004
Bicarbonate as CaCO₃	80.7	mg/L	5.00	1		09/01/23 14:16	SM 2320 B		BEI0004
Potassium	ND	mg/L	0.500	1		09/05/23 14:23	EPA 200.7		BEI0027
Magnesium	ND	mg/L	0.1	1		09/05/23 14:23	EPA 200.7		BEI0027
Sodium	80	mg/L	1	1		09/05/23 14:23	EPA 200.7		BEI0027
Ammonia (as N)	ND	mg/L	0.00	1		08/31/23 09:15	Field		BEI0009
Nitrate Nitrogen as NO ₃ N	ND	mg/L	0.1	1	10	09/01/23 20:35	EPA 300.0		BEH1479
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		09/01/23 14:16	SM 2320 B		BEI0004
pH	8.9	units	1.0	1		09/01/23 14:16	SM 4500-H+	H	BEI0004
Sulfate (SO₄)	56.2	mg/L	0.5	1	250	09/01/23 20:35	EPA 300.0		BEH1479
Total Filterable Solids (TDS)	237	mg/L	10.0	1		09/05/23 14:53	SM 2540 C		BEI0010

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LABORATORY INC

Cunha Dairy #1
6596 16th Ave
Hanford, CA 93230

Account# 00-0015898
Account Manager: Ben Nydam
Submitted By: Theresa
Ranch: 6596 16th Ave, Hanford

Received: 09/01/2023 7:00
Reported: 09/06/2023 11:32

Sample Results (Continued)

Sample: Dutra by Pecans
23I0219-08 (Water)

Sampled: 8/31/2023 10:00
Sampled By: Client

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO ₃	90.3	mg/L	10.0	1		09/01/23 14:20	SM 2320 B		BEI0004
Calcium	3.6	mg/L	0.1	1		09/05/23 14:32	EPA 200.7		BEI0027
Chloride	12.8	mg/L	0.2	1	250	09/01/23 23:33	EPA 300.0		BEH1479
Carbonate as CaCO ₃	5	mg/L	1	1		09/01/23 14:20	SM 2320 B		BEI0004
Electrical Conductivity	0.37	mmhos/cm	0.01	1		09/01/23 14:20	SM 2510 B		BEI0004
Electrical Conductivity umhos	372	umhos/cm	10.0	1		09/01/23 14:20	SM 2510 B		BEI0004
Bicarbonate as CaCO ₃	85.6	mg/L	5.00	1		09/01/23 14:20	SM 2320 B		BEI0004
Potassium	ND	mg/L	0.500	1		09/05/23 14:32	EPA 200.7		BEI0027
Magnesium	ND	mg/L	0.1	1		09/05/23 14:32	EPA 200.7		BEI0027
Sodium	80	mg/L	1	1		09/05/23 14:32	EPA 200.7		BEI0027
Ammonia (as N)	ND	mg/L	0.00	1		08/31/23 10:00	Field		BEI0009
Nitrate Nitrogen as NO ₃ N	ND	mg/L	0.1	1	10	09/01/23 23:33	EPA 300.0		BEH1479
Hydroxide as CaCO ₃	ND	mg/L	1.00	1		09/01/23 14:20	SM 2320 B		BEI0004
pH	8.5	units	1.0	1		09/01/23 14:20	SM 4500-H+	H	BEI0004
Sulfate (SO ₄)	57.5	mg/L	0.5	1	250	09/01/23 23:33	EPA 300.0		BEH1479
Total Filterable Solids (TDS)	183	mg/L	10.0	1		09/05/23 14:53	SM 2540 C		BEI0010

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LABORATORY INC

Cunha Dairy #1
6596 16th Ave
Hanford, CA 93230

Account# 00-0015898
Account Manager: Ben Nydam
Submitted By: Theresa
Ranch: 6596 16th Ave, Hanford

Received: 09/01/2023 7:00
Reported: 09/06/2023 11:32

Sample Results

(Continued)

Sample: **Uncle Sam**
23I0219-09 (Water)

Sampled: 8/31/2023 10:10
Sampled By: Client

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Alkalinity as CaCO3	159	mg/L	10.0	1		09/01/23 14:23	SM 2320 B		BEI0004
Calcium	24.2	mg/L	0.1	1		09/05/23 14:33	EPA 200.7		BEI0027
Chloride	68.9	mg/L	0.2	1	250	09/01/23 20:55	EPA 300.0		BEH1479
Carbonate as CaCO3	2	mg/L	1	1		09/01/23 14:23	SM 2320 B		BEI0004
Electrical Conductivity	0.92	mmhos/cm	0.01	1		09/01/23 14:23	SM 2510 B		BEI0004
Electrical Conductivity umhos	918	umhos/cm	10.0	1		09/01/23 14:23	SM 2510 B		BEI0004
Bicarbonate as CaCO3	157	mg/L	5.00	1		09/01/23 14:23	SM 2320 B		BEI0004
Potassium	0.719	mg/L	0.500	1		09/05/23 14:33	EPA 200.7		BEI0027
Magnesium	0.2	mg/L	0.1	1		09/05/23 14:33	EPA 200.7		BEI0027
Sodium	172	mg/L	1	1		09/05/23 14:33	EPA 200.7		BEI0027
Ammonia (as N)	ND	mg/L	0.00	1		08/31/23 10:10	Field		BEI0009
Nitrate Nitrogen as NO3N	0.2	mg/L	0.1	1	10	09/01/23 20:55	EPA 300.0		BEH1479
Hydroxide as CaCO3	ND	mg/L	1.00	1		09/01/23 14:23	SM 2320 B		BEI0004
pH	8.3	units	1.0	1		09/01/23 14:23	SM 4500-H+	H	BEI0004
Sulfate (SO4)	151	mg/L	0.5	1	250	09/01/23 20:55	EPA 300.0		BEH1479
Total Filterable Solids (TDS)	550	mg/L	10.0	1		09/05/23 14:53	SM 2540 C		BEI0010

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09/01/23 07:00

2:10219

WATER WORK REQUEST

Bill To:

15898

08

Purchase Order No

Results Needed By

Client **Cunha Dairy #1**
 Address **6596 16th Ave**
 City, State, Zip **Hanford, CA 93230**
 Email: **cunhadairy@yahoo.com (Mail Reports)**
noreen@livingstondairyconsulting.com,
marlene@livingstondairyconsulting.com,
datech@livingstondairyconsulting.com
 Copy to:

Requested by/Cell: **Theresa 582-3282**Facility: **6596 16th Ave, Hanford**Date sampled **8/31/2023**Sampled by **Client**☒ QA/QC Document☒ Copy of Chain☐ RWQCB**DESCRIPTION OF SAMPLES**

1.	North of House	Sampled From:
2.	North of milk barn	Sampled From:
3.	New Well W. of Rental	Sampled From:
4.	VAZ-S of Canal	Sampled From:
5.	Shop	Sampled From:
6.	VAZ-16th & middle of fld	Sampled From:
7.	Dutra of Hfrs	Sampled From:
8.	Dutra by Pecans	Sampled From:
9.	Uncle Sam	Sampled From:
10.		Sampled From:

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

No. of Samples **9**No Bottles **9****Water Type:**☒ Ag Water☐ Supply Water☐ Drinking☐ Ground Water☐ Other☐ Wastewater☐ Mon. Well**Analysis and Bottles Required: (Please Indicate Analysis)**☐ DWW1: (EC, pH, NO₃-N, NH₄-N Field Test)

(1) 1 L plastic, unpreserved (white)

☒ DWW2: (DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS)

(1) 1 L plastic, unpreserved (white)

☐ DCW1: (EC, NO₃-N, TDS)

(1) 1 L plastic, unpreserved (white)

☐ DPW1: (EC, pH, NO₃-N, NH₄-N, TKN, TDS, TP, TK)

(1) 1 L plastic, unpreserved (white)

☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl)

(1) 1 L plastic, unpreserved (white)

☐ Other

Date Sampled	Time Sampled	Field NH ₄ -N (mg/L)	Received Temp °C	F
8/31/2023	8:30	0	14.3	4.7
8/31/2023	8:40	0	15.5	4.3
8/31/2023	8:50	0	14.3	4.1
8/31/2023	8:55	0	14.7	3.6
8/31/2023	9:25	0	14.6	4.2
8/31/2023	9:05	0	15.0	4.0
8/31/2023	9:15	0	13.2	4.3
8/31/2023	10:00	0	12.1	4.1
8/31/2023	10:10	0	13.7	4.0

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<i>P. Cunha</i>	<i>Cunha Dairy</i>	8/31/23 12:30	8/31/23 12:29 P.M.
Second	<i>CTT</i>	<i>DLI</i>	8/31/23 12:30	8/31/23 12:30
Third	<i>gt</i>	<i>DLI</i>	9/1 07:00	
Fourth				

I guarantee that to 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 the cost of the services. 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 arbitration, reasonable attorneys' fees of DellaValle Laboratory.

Invoicing Information:**Invoicing**

Sampling Hrs _____ Miles _____ Consulting _____

Amt Paid

Rec By

Check No

Date

Shipping

\$

In

\$

Out

Signature

Sample

Date

IR Thermometer SN: 221511274

Correction Factor: 0°C

Calibration Due: 9/26/2023

Location: Hanford

IR Thermometer SN: 200560723

Correction Factor: 0°C

Calibration Due: 9/26/2023

Location: Laboratory

possible

addition: then

on the spot

1.

see update 2020



09/01/23 07:00

2:10219

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