



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 04, 2022

Marques Hatfield Glorieta GeoScience P.O. Box 5727 Santa Fe, NM 87502

TEL: (505) 983-5446 FAX (505) 983-6482

RE: Organ Dairy OrderNo.: 2202C31

### Dear Marques Hatfield:

Hall Environmental Analysis Laboratory received 8 sample(s) on 2/25/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued March 21, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

#### Lab Order 2202C31

Date Reported: 4/4/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Glorieta GeoScience Client Sample ID: MW-126-04

**Project:** Organ Dairy
 Collection Date: 2/24/2022 9:50:00 AM

 **Lab ID:** 2202C31-001
 Matrix: AQUEOUS
 Received Date: 2/25/2022 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF 1	Batch	
EPA METHOD 300.0: ANIONS						Analyst	JMT
Chloride	770	50	*	mg/L	100	2/25/2022 8:08:11 PM	R86105
Nitrogen, Nitrate (As N)	23	1.0	*	mg/L	10	2/25/2022 7:55:46 PM	R86105
Sulfate	700	50	*	mg/L	100	2/25/2022 8:08:11 PM	R86105
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	3110	20.0	*	mg/L	1	3/8/2022 11:05:00 AM	65924
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/2/2022 1:51:00 PM	65857

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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#### Lab Order 2202C31

Date Reported: 4/4/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Glorieta GeoScience Client Sample ID: MW-126-05

**Project:** Organ Dairy
 Collection Date: 2/24/2022 11:15:00 AM

 **Lab ID:** 2202C31-002
 Matrix: AQUEOUS
 Received Date: 2/25/2022 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Batch	
EPA METHOD 300.0: ANIONS						Analyst	JMT
Chloride	710	50	*	mg/L	100	2/25/2022 8:33:01 PM	R86105
Nitrogen, Nitrate (As N)	10	1.0	*	mg/L	10	2/25/2022 8:20:36 PM	R86105
Sulfate	750	50	*	mg/L	100	2/25/2022 8:33:01 PM	R86105
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3270	20.0	*	mg/L	1	3/8/2022 11:05:00 AM	65924
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/2/2022 1:51:00 PM	65857

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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#### Lab Order 2202C31

Date Reported: 4/4/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Glorieta GeoScience Client Sample ID: MW-126-07

**Project:** Organ Dairy
 Collection Date: 2/24/2022 12:25:00 PM

 **Lab ID:** 2202C31-003
 Matrix: AQUEOUS
 Received Date: 2/25/2022 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	870	50	*	mg/L	100	2/25/2022 8:57:51 PM	R86105
Nitrogen, Nitrate (As N)	22	1.0	*	mg/L	10	2/25/2022 8:45:25 PM	R86105
Sulfate	860	50	*	mg/L	100	2/25/2022 8:57:51 PM	R86105
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3550	20.0	*	mg/L	1	3/8/2022 11:05:00 AM	65924
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/2/2022 1:51:00 PM	65857

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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#### Lab Order 2202C31

Date Reported: 4/4/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Glorieta GeoScience Client Sample ID: MW-126-09

**Project:** Organ Dairy
 Collection Date: 2/24/2022 1:10:00 PM

 **Lab ID:** 2202C31-004
 Matrix: AQUEOUS
 Received Date: 2/25/2022 9:45:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	150	5.0	mg/L	10	2/25/2022 9:35:05 PM	R86105
Nitrogen, Nitrate (As N)	1.0	1.0	mg/L	10	2/25/2022 9:35:05 PM	R86105
Sulfate	110	5.0	mg/L	10	2/25/2022 9:35:05 PM	R86105
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst	: KS
Total Dissolved Solids	856	20.0	* mg/L	1	3/8/2022 11:05:00 AM	65924
SM 4500 NORG C: TKN					Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/2/2022 1:51:00 PM	65857

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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### Lab Order **2202C31**

Date Reported: 4/4/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Glorieta GeoScience Client Sample ID: MW-126-12

**Project:** Organ Dairy
 Collection Date: 2/24/2022 10:55:00 AM

 **Lab ID:** 2202C31-005
 Matrix: AQUEOUS
 Received Date: 2/25/2022 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	JMT
Chloride	420	50	*	mg/L	100	2/25/2022 10:12:18 PM	R86105
Nitrogen, Nitrate (As N)	4.6	1.0		mg/L	10	2/25/2022 9:59:54 PM	R86105
Sulfate	560	50	*	mg/L	100	2/25/2022 10:12:18 PM	R86105
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	2180	20.0	*	mg/L	1	3/8/2022 11:05:00 AM	65924
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/2/2022 1:51:00 PM	65857

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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#### Lab Order 2202C31

Date Reported: 4/4/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Glorieta GeoScience Client Sample ID: MW-126-13

**Project:** Organ Dairy
 Collection Date: 2/24/2022 9:05:00 AM

 **Lab ID:** 2202C31-006
 Matrix: AQUEOUS
 Received Date: 2/25/2022 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	JMT
Chloride	760	50	*	mg/L	100	2/25/2022 10:37:08 PM	R86105
Nitrogen, Nitrate (As N)	15	1.0	*	mg/L	10	2/25/2022 10:24:43 PM	R86105
Sulfate	840	50	*	mg/L	100	2/25/2022 10:37:08 PM	R86105
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	3380	20.0	*	mg/L	1	3/8/2022 11:05:00 AM	65924
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/2/2022 1:51:00 PM	65857

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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### Lab Order **2202C31**

Date Reported: 4/4/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Glorieta GeoScience Client Sample ID: LRG 458S

**Project:** Organ Dairy
 Collection Date: 2/24/2022 12:50:00 PM

 **Lab ID:** 2202C31-007
 Matrix: AQUEOUS
 Received Date: 2/25/2022 9:45:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	53	5.0	mg/L	10	2/25/2022 10:49:33 PM	R86105
Nitrogen, Nitrate (As N)	ND	1.0	mg/L	10	2/25/2022 10:49:33 PM	R86105
Sulfate	77	5.0	mg/L	10	2/25/2022 10:49:33 PM	R86105
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst	KS
Total Dissolved Solids	472	20.0	mg/L	1	3/8/2022 11:05:00 AM	65924
SM 4500 NORG C: TKN					Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/2/2022 1:51:00 PM	65857

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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### Lab Order **2202C31**

Date Reported: 4/4/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Glorieta GeoScience Client Sample ID: Lagoon

**Project:** Organ Dairy
 Collection Date: 2/24/2022 12:05:00 PM

 **Lab ID:** 2202C31-008
 Matrix: AQUEOUS
 Received Date: 2/25/2022 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	JMT
Chloride	1700	50	*	mg/L	100	2/25/2022 11:26:47 PM	R86105
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	2/25/2022 11:14:22 PM	R86105
Sulfate	110	5.0		mg/L	10	2/25/2022 11:14:22 PM	R86105
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	KS
Total Dissolved Solids	5150	1000	*D	mg/L	1	3/8/2022 11:05:00 AM	65924
SM 4500 NORG C: TKN						Analyst:	EKM
Nitrogen, Kjeldahl, Total	330	10	D	mg/L	1	3/2/2022 1:51:00 PM	65857
EPA METHOD 200.7: TOTAL METALS						Analyst:	ELS
Sulfur	78	5.0		mg/L	1	3/8/2022 8:32:46 AM	65932

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C31** 

04-Apr-22

Client: Glorieta GeoScience

**Project:** Organ Dairy

Sample ID: MB-65932 SampType: MBLK TestCode: EPA Method 200.7: Total Metals

Client ID: PBW Batch ID: 65932 RunNo: 86311

Prep Date: 3/3/2022 Analysis Date: 3/8/2022 SegNo: 3043637 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Sulfur ND 1.0

Sample ID: LLLCS-S-65932 SampType: LCSLL TestCode: EPA Method 200.7: Total Metals

Client ID: BatchQC Batch ID: 65932 RunNo: 86311

Prep Date: 3/3/2022 Analysis Date: 3/8/2022 SeqNo: 3043738 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Sulfur ND 1.0 1.000 0 93.4 50 150

Sample ID: LCS-S-65932 SampType: LCS TestCode: EPA Method 200.7: Total Metals

Client ID: LCSW Batch ID: 65932 RunNo: 86311

Prep Date: 3/3/2022 Analysis Date: 3/8/2022 SeqNo: 3043740 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Sulfur 47 1.0 50.00 0 93.8 85 115

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C31** 

04-Apr-22

Client: Glorieta GeoScience

**Project:** Organ Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBW Batch ID: R86105 RunNo: 86105

Prep Date: Analysis Date: 2/25/2022 SeqNo: 3034768 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Chloride
 ND
 0.50

 Nitrogen, Nitrate (As N)
 ND
 0.10

 Sulfate
 ND
 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: LCSW Batch ID: R86105 RunNo: 86105 Prep Date: Analysis Date: 2/25/2022 SeqNo: 3034769 Units: mg/L SPK value SPK Ref Val %REC LowLimit Analyte Result HighLimit %RPD **RPDLimit** Qual

7 tt 101 y to		. ~-	0	<b>O</b>	,			, o =	
Chloride	4.7	0.50	5.000	0	93.2	90	110		
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.7	90	110		
Sulfate	9.5	0.50	10.00	0	95.1	90	110		

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C31** 

04-Apr-22

Client: Glorieta GeoScience

**Project:** Organ Dairy

Sample ID: MB-65924 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65924 RunNo: 86304

Prep Date: 3/3/2022 Analysis Date: 3/8/2022 SeqNo: 3043471 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-65924 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 65924 RunNo: 86304

Prep Date: 3/3/2022 Analysis Date: 3/8/2022 SeqNo: 3043472 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

Sample ID: 2202C31-001ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: MW-126-04 Batch ID: 65924 RunNo: 86304

Prep Date: 3/3/2022 Analysis Date: 3/8/2022 SeqNo: 3043474 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 3100 20.0 0.257 10 \*

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C31** 

04-Apr-22

Client: Glorieta GeoScience

**Project:** Organ Dairy

Sample ID: MB-65857 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65857 RunNo: 86194

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038036 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65857 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65857 RunNo: 86194

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038037 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.7 1.0 10.00 0 96.6 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: Glorieta GeoScience Work Order Nu	umber: 2202C31		RcptNo: 1
Received By: Juan Rojas 2/25/2022 9:45:0	00 AM	(Juneal)	
Completed By: Desiree Dominguez 2/25/2022 10:01:	:37 AM	THE	
Reviewed By: WM 2/25/22			
Chain of Custody			
1. Is Chain of Custody complete?	Yes 🗸	No 🗌	Not Present
2. How was the sample delivered?	Client		
<u>Log In</u>			
3. Was an attempt made to cool the samples?	Yes 🗸	No 🗌	NA 🗆
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆
5. Sample(s) in proper container(s)?	Yes 🗸	No 🗌	
6. Sufficient sample volume for indicated test(s)?	Yes 🗸	No 🗌	12/15/22
7. Are samples (except VOA and ONG) properly preserved?	Yes 🗸	No 🗆 📈	2/13/
8. Was preservative added to bottles?	Yes I	No 🗸	NA $\square$
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes	No 🗌	NA 🗸
0. Were any sample containers received broken?	Yes	No 🗸	# of preserved
1. Does paperwork match bottle labels?	Yes 🗸	No 🗆	bottles checked for pH:
(Note discrepancies on chain of custody)			(2) or >12 unless noted)
2. Are matrices correctly identified on Chain of Custody? 3. Is it clear what analyses were requested?	Yes 🗸	No 🗌	Adjusted? $\mathcal{G}-\mathcal{O}\mathcal{S}$
4. Were all holding times able to be met?  (If no, notify customer for authorization.)	Yes ✓	No 🗌	Checked by: JR 2/25/2 2
pecial Handling (if applicable)			
5. Was client notified of all discrepancies with this order?	Yes	No 🗌	NA 🗹
Person Notified: Dat	e: [		
By Whom: Via:	: eMail F	Phone Fax	In Person
Regarding:		WINDOWS OF THE PARTY OF THE PAR	AND THE PROPERTY OF THE PROPER
Client Instructions:			0 -1 -1
6. Additional remarks: 1.0 ml of HM03 wa	s added	to San	mple 008B for ph<
7. Cooler Information			112/25/22
Cooler No Temp °C Condition Seal Intact Seal No 1 0.9 Good Seal Intact Seal No	Seal Date	Signed By	Jie che 1

	HALL ENVIRONMENTAL	AIGH STORY ON THE STORY OF THE	www.hallenvironmental.com		Anal	†C		OA( )9 St ( S07:	1 \ C 908\ 1 · +.1 1 · 82 1 · 82	AOV	astici etho y 83 s Mes r, N c, N	08:H° M) 80 M) 80 Hs by B AA: V) 09 S) 07	TP 80.08 82.0	×							× > >			Remarks: #6ALT-7202C31		If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted to Hall Environmental may be subcontracted to other accredited laboratories.
Turn-Around Time:	X Standard □ Rush	Project Name:	Organ Pain	Project #:		Project Manager:	Hart, eld	12/2	On Ice: Tackery Vellay	olers:	O(including CF): 1.0-0.1 = 0.9 (°C)	Preservative HEAL No.	Type 2207 C31	1x 500ml H1504 -001	-002	5-003	400-	- 005	- 000	100-	2x500m1 H2SONG2 -008	The experimental region of the second	Constitution of the consti	Received by: Via: Date Time Re	Received by: Via: Date Time	Intracted to other accredited laboratories. This serves as notice of this no
Chain-of-Custody Record	Horieta Gesscience		ddress: 1723 2nd ST	Ta Fe NM 87505	505-983-5446	-ax#:	ige:	;	C				Matrix Sample Name	950 Ag MW-126-04	1115 MW-126-05	1225 MW-126-07	1310 MW-126-09	1055 MW-126-12	90 <b>5</b> MW-126-13	1250 Barn	1205 V Lagoon			Time: Relinquished by: 1940 3 gethern Bloom Bolows	Time: Relinquished by:	L cessary, samples submitted to Hall Environmental may be subco
ပ	Client:		Mailing Address:	Santa	Phone #:	email or Fax#:	QA/QC Package:	A Standard	□ NELA	□ EDD (Type)			Date	2/24/22	1		-	1	0.	1	7			Date: Til	Date: Til	Fre



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 07, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Buena Vista Dairy 2 OrderNo.: 2202A58

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/23/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2202A58

Date Reported: 3/7/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 74-03

**Project:** Buena Vista Dairy 2
 Collection Date: 2/22/2022 10:45:00 AM

 **Lab ID:** 2202A58-001
 Matrix: AQUEOUS
 Received Date: 2/23/2022 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	250	50		mg/L	100	2/23/2022 4:44:55 PM	R86073
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/23/2022 4:32:03 PM	R86073
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	2/23/2022 4:32:03 PM	R86073
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	1340	100	*D	mg/L	1	3/1/2022 6:15:00 PM	65835
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/1/2022 9:59:00 AM	65833

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

# Lab Order **2202A58**

Date Reported: 3/7/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 74-02

Project:Buena Vista Dairy 2Collection Date: 2/22/2022 11:50:00 AMLab ID:2202A58-002Matrix: AQUEOUSReceived Date: 2/23/2022 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	CAS
Chloride	650	50	*	mg/L	100	2/23/2022 5:10:40 PM	R86073
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/23/2022 4:57:47 PM	R86073
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	2/23/2022 4:57:47 PM	R86073
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	2360	100	*D	mg/L	1	3/1/2022 6:15:00 PM	65835
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	2.2	1.0		mg/L	1	3/1/2022 9:59:00 AM	65833

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2202A58

Date Reported: 3/7/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 74-01

Project:Buena Vista Dairy 2Collection Date: 2/22/2022 1:54:00 PMLab ID:2202A58-003Matrix: AQUEOUSReceived Date: 2/23/2022 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	850	50	*	mg/L	100	2/23/2022 5:36:23 PM	R86073
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/23/2022 5:23:31 PM	R86073
Nitrogen, Nitrate (As N)	7.2	1.0		mg/L	10	2/23/2022 5:23:31 PM	R86073
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2940	40.0	*D	mg/L	1	3/1/2022 6:15:00 PM	65835
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/1/2022 9:59:00 AM	65833

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A58** 

07-Mar-22

Client: EA Engineering Alb
Project: Buena Vista Dairy 2

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBW Batch ID: R86073 RunNo: 86073

Prep Date: Analysis Date: 2/23/2022 SeqNo: 3032710 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Chloride
 ND
 0.50

 Nitrogen, Nitrite (As N)
 ND
 0.10

 Nitrogen, Nitrate (As N)
 ND
 0.10

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R86073 RunNo: 86073

Prep Date: Analysis Date: 2/23/2022 SeqNo: 3032711 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%F
Chloride	4.7	0.50	5.000	0	94.9	90	110	
Nitrogen, Nitrite (As N)	0.99	0.10	1.000	0	99.1	90	110	
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	102	90	110	

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 6

### Hall Environmental Analysis Laboratory, Inc.

1010

WO#: 2202A58

07-Mar-22

**Client:** EA Engineering Alb **Project:** Buena Vista Dairy 2

Sample ID: MB-65835 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65835 RunNo: 86168

Prep Date: 2/28/2022 Analysis Date: 3/1/2022 SeqNo: 3036905 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Total Dissolved Solids ND 20.0

**Total Dissolved Solids** 

Sample ID: LCS-65835 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

1000

Client ID: LCSW Batch ID: 65835 RunNo: 86168

20.0

Prep Date: 2/28/2022 Analysis Date: 3/1/2022 SeqNo: 3036906 Units: mg/L

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Result PQL HighLimit Qual Analyte 0

101

80

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 5 of 6

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2202A58

07-Mar-22

**Client:** EA Engineering Alb **Project:** Buena Vista Dairy 2

Sample ID: MB-65833 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65833 RunNo: 86156

Prep Date: 2/28/2022 Analysis Date: 3/1/2022 SeqNo: 3036546 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Nitrogen, Kjeldahl, Total ND 1.0

Nitrogen, Kjeldahl, Total

Sample ID: LCS-65833 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65833 RunNo: 86156

1.0

Analysis Date: 3/1/2022 Prep Date: 2/28/2022 SeqNo: 3036547 Units: mg/L

10.00

PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte HighLimit Qual 0

102

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: E	EA Engineering	Work Order Numb	per: <b>2202A58</b>		RcptNo: 1	
Received By:	Sean Livingston	2/23/2022 9:20:00 A	AM	5_/	7.0/2	
Completed By:	Desiree Dominguez	2/23/2022 9:53:43 A	λM	Sali		
Reviewed By:	1/23/22	upa		113		
Chain of Custo	ody					
1. Is Chain of Cust			Yes 🗸	No 🗌	Not Present	
2. How was the sa	mple delivered?		<u>FedEx</u>			
Log In						
3. Was an attempt	made to cool the samples	s?	Yes 🗸	No 🗌	NA 🗆	
4. Were all sample	s received at a temperatur	re of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in pro	pper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sample	e volume for indicated test	(s)?	Yes 🗹	No 🗌		
7. Are samples (exc	cept VOA and ONG) prope	erly preserved?	Yes 🗸	No 🗌		
8. Was preservative	e added to bottles?		Yes	No 🗸	NA 🗆	
9. Received at least	t 1 vial with headspace <1	/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any sampl	e containers received brok	ken?	Yes	No 🗹	# of preserved	
	match bottle labels? ies on chain of custody)		Yes 🗸	No 🗆	bottles checked for pH: (<2) or >12 un	less noted)
2. Are matrices corr	ectly identified on Chain o	f Custody?	Yes 🗸	No 🗌	Adjusted?	
	nalyses were requested?		Yes 🗸	No 🗌		1 1
	times able to be met? omer for authorization.)		Yes 🗸	No 🗆	Checked by: JN	2/23/22
pecial Handling	g (if applicable)					
15. Was client notifie	ed of all discrepancies with	this order?	Yes	No 🗌	NA 🗹	
Person No	tified:	Date:	*	The Manager are		
By Whom: Regarding:	-	Via:	eMail P	hone  Fax [	In Person	
Client Instr					and the state of t	
16. Additional remar	ks:					
7. Cooler Information	tion					
117625 DETERMINED	2. See Early 1. A. See March 1999 (1999)	Seal Intact   Seal No	Seal Date	Signed By		
1 1.	1 Good					

	HALL ENVIRONMENTAL ANALYSTS I ABORATODY	onmental.com	Albuqueraue, NM 87109	Fax 505-345-4107	Analysis Request			80					Phosph Si										
	HALL ENVI	www.hallenvironmental.com	4901 Hawkins NE - Albud		Inal		£ pc	) )	MOI 00	30 30 30	005 A⊂ 045	E E L	Nitrate/I TKN SI TDS SI Sulfate	× ×	\ \ \ \ \ \ \	X					Remarks:		
Turn-Around Time:	☐ Standard □ Rush		Buena Vista ; Dairy 2	Project #:		Project Manager:	Gina Mullen		r: Angel Nieto F	21231 23		Cooler Temp(including cF): 1.1 ± 0 = 1.1° <	Container Preservative HEAL No. Type and # Type	٥٥٠- ح	290-						Received by: Via: Date Time   F   St. 20   St.	Received by: Via: Date Time	
Chain-or-Custody Record		EA Engineering, Science, and Technology			505-715-4279	rmullen@eaest.com		☐ Level 4 (Full Validation)	☐ Az Compliance	Offici			Matrix Sample Name	Gw 74-03	Gw 7402	6w 74-0(					Relinquished by:  Ref N N		F
Chain	Client:	EA Engineering	Malling Address:	320 Gold Ave SW Suite	Phone #:	email or Fax#:	QA/QC Package:	□ Standard	Accreditation:	I INCLACE	☐ EDD (Type).		Date Time	2-22 10:45	05:11 52-2	2-22 13:54	4				Date: Time: A-32 (5:35)	Date: Time:	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 15, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Buena Vista Dairy 2 OrderNo.: 2202B85

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/24/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### Lab Order 2202B85

Date Reported: 3/15/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 74-04

**Project:** Buena Vista Dairy 2
 Collection Date: 2/23/2022 11:15:00 AM

 **Lab ID:** 2202B85-001
 Matrix: AQUEOUS
 Received Date: 2/24/2022 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LRN
Chloride	730	50	*	mg/L	100	2/24/2022 8:43:30 PM	R86087
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/24/2022 8:30:39 PM	R86087
Nitrogen, Nitrate (As N)	12	1.0	*	mg/L	10	2/24/2022 8:30:39 PM	R86087
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	2300	20.0	*	mg/L	1	3/4/2022 3:46:00 PM	65898
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/2/2022 10:33:00 AM	65856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

#### Lab Order 2202B85

Date Reported: 3/15/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 74-05

 Project:
 Buena Vista Dairy 2
 Collection Date: 2/23/2022 1:18:00 PM

 Lab ID:
 2202B85-002
 Matrix: AQUEOUS
 Received Date: 2/24/2022 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LRN
Chloride	660	50	*	mg/L	100	2/24/2022 9:09:14 PM	R86087
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/24/2022 8:56:22 PM	R86087
Nitrogen, Nitrate (As N)	13	1.0	*	mg/L	10	2/24/2022 8:56:22 PM	R86087
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	2190	20.0	*	mg/L	1	3/4/2022 3:46:00 PM	65898
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/2/2022 10:33:00 AM	65856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 5

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B85** 

15-Mar-22

Client: EA Engineering Alb Project: Buena Vista Dairy 2

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: R86087 RunNo: 86087

Prep Date: Analysis Date: 2/24/2022 SeqNo: 3033269 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Chloride
 ND
 0.50

 Nitrogen, Nitrite (As N)
 ND
 0.10

 Nitrogen, Nitrate (As N)
 ND
 0.10

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R86087 RunNo: 86087

Prep Date: Analysis Date: 2/24/2022 SeqNo: 3033270 Units: mg/L

SPK value SPK Ref Val %REC %RPD Analyte PQL LowLimit HighLimit **RPDLimit** Qual Chloride 0.50 5.000 0 96.9 90 110 4.8 Nitrogen, Nitrite (As N) 1.0 0.10 1.000 0 101 90 110 0 Nitrogen, Nitrate (As N) 2.6 0.10 2.500 104 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B85** 

15-Mar-22

Client: EA Engineering Alb
Project: Buena Vista Dairy 2

Sample ID: MB-65898 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65898 RunNo: 86261

Prep Date: 3/2/2022 Analysis Date: 3/4/2022 SeqNo: 3041040 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-65898 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 65898 RunNo: 86261

Prep Date: 3/2/2022 Analysis Date: 3/4/2022 SeqNo: 3041041 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B85** 

15-Mar-22

Client: EA Engineering Alb Project: Buena Vista Dairy 2

Sample ID: MB-65856 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65856 RunNo: 86189

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3037862 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65856 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65856 RunNo: 86189

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3037863 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 10 1.0 10.00 0 105 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: EA Engineering	Work Order Num	ber: 2202B85		RcptNo: 1	
Received By: Juan Rojas	2/24/2022 2:20:00	РМ	Hansay		
Completed By: Tracy Casarrubias	2/24/2022 2:42:47	PM			
Reviewed By: See 2/24/2	Z				
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		<u>FedEx</u>			
Log In					
<ol><li>Was an attempt made to cool the sample</li></ol>	es?	Yes 🗸	No 🗌	NA 🗌	
4. Were all samples received at a temperate	ure of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sample volume for indicated tes	st(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG) prop	perly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗸	NA 🗆	
9. Received at least 1 vial with headspace <	1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any sample containers received bro	oken?	Yes	No 🗹	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗸	No 🗆	bottles checked for pH:	inless noted)
12. Are matrices correctly identified on Chain	of Custody?	Yes 🗸	No 🗌	Adjusted? No	
13. Is it clear what analyses were requested?		Yes 🗸	No 🗌		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗸	No 🗆	Checked by:	2-24-52
Special Handling (if applicable)					
15. Was client notified of all discrepancies wi	th this order?	Yes	No 🗌	NA 🗸	
Person Notified:	Date:	Prominent and a second a second and a second	management and an analysis of the		
By Whom:	Via:	eMail Pl	hone 🗌 Fax	In Person	
Regarding: Client Instructions:					
16. Additional remarks:					
17. Cooler Information  Cooler No Temp °C Condition	Seal Intact   Seal No	Seal Date	Signed By		
	Not Present	Codi Dale	Oigned by		

ger:  Gina M Angel N Ereserv Type  Via:	Chain-of-Custody Record		1	HAL	HALL ENVIRONMENTAL
Buena Vista : Dairy 2		☑ Standard	□ Rush	ANA	
Buena Vista Dairy 2				www.h	allenvironmental.com
Froject #: Trans.   Project #: Trans.   Project #: Trans.   Project #: Project Manager:   Project Manager:   Project Manager:   Gina Mullen	g Address:	Buena Vista ? [	Jairy 2	4901 Hawkins NE	- 1
Flax#: mullen@eaest.com	old Ave SW Suite	Project #:		Tel. 505-345-397	
Fask: rmullen@eaest.com					Inal
Gina Mullen  dard  dard  dard  Container  Time  Matrix Sample Name  Time  Time  Matrix Name  Time  Time  Matrix Name  Time  Ti	8	Project Manag	er:	008	
Cooler Temple   Cooler Templ			Sina Mullen		
AC Other Compliance Sampler. Angel Nieto Rivera Angel Nieto Rivera Angel Nieto Rivera Angel Nieto Rivera Onter Container Freservative HEAL No. Sample Name Type and # Type COOL RIVERA SO. NO. NO. NO. NO. NO. NO. NO. NO. NO. N	Ä(	tion)		3 C	108
Time   Matrix   Sample   Name   Freservative   Preservative   Pr		E	igel Nieto F	00 00 00	
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Time Matrix Sample Name Type and # Type		Cooler Temp(in	3	N 52 N 42	orus
13:18 Gw 74-04         2         001         X X X X           13:18 Gw 74-05         8         002         X X X X           13:18 Gw 74-05         1002         X X X X X X         1002           13:18 Gw 74-05         1002         X X X X X X X X X X X X X X X X X X X	Time Matrix	Container Type and #	ervative 2.7	TKN SN Chloride TDS SN	oydsoyc
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Relinquished by: Date	Time: /6:25/	Received by:	Date   Date	Remarks:	
		Received by:	Date		

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 15, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Big Sky Dairy OrderNo.: 2202B88

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/24/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order **2202B88**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/15/2022

CLIENT: EA Engineering Client Sample ID: 833-06

**Project:** Big Sky Dairy
 Collection Date: 2/23/2022 2:45:00 PM

 **Lab ID:** 2202B88-001
 Matrix: AQUEOUS
 Received Date: 2/24/2022 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	880	50	*	mg/L	100 2/24/2022 9:34:58 PM	R86087
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/24/2022 9:22:06 PM	R86087
Nitrogen, Nitrate (As N)	14	1.0	*	mg/L	10 2/24/2022 9:22:06 PM	R86087
Sulfate	460	50	*	mg/L	100 2/24/2022 9:34:58 PM	R86087
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analys	t: <b>KS</b>
Total Dissolved Solids	2560	20.0	*	mg/L	1 3/4/2022 3:46:00 PM	65898
SM 4500 NORG C: TKN					Analys	t: EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1 3/2/2022 10:33:00 AM	65856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B88** 

15-Mar-22

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: R86087 RunNo: 86087 Analysis Date: 2/24/2022 Prep Date: SeqNo: 3033269 Units: mg/L Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Chloride ND 0.50 Nitrogen, Nitrite (As N) ND 0.10 Nitrogen, Nitrate (As N) ND 0.10 Sulfate ND 0.50

Sample ID: LCS	SampT	ype: Ics	i	Tes	tCode: El	PA Method	s			
Client ID: LCSW	Batcl	n ID: <b>R8</b>	6087	F	RunNo: 8	6087				
Prep Date:	Analysis D	S	SeqNo: 3	033270	Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	96.9	90	110			
Nitrogen, Nitrite (As N)	1.0	0.10	1.000	0	101	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	104	90	110			
Sulfate	10	0.50	10.00	0	104	90	110			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B88** 

15-Mar-22

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-65898 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65898 RunNo: 86261

Prep Date: 3/2/2022 Analysis Date: 3/4/2022 SeqNo: 3041040 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-65898 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 65898 RunNo: 86261

Prep Date: 3/2/2022 Analysis Date: 3/4/2022 SeqNo: 3041041 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B88** 

15-Mar-22

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-65856 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65856 RunNo: 86189

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3037862 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65856 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65856 RunNo: 86189

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3037863 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 10 1.0 10.00 0 105 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: **EA** Engineering Work Order Number: 2202B88 RcptNo: 1 ( Juan 30 g) Received By: Juan Rojas 2/24/2022 2:20:00 PM Completed By: Tracy Casarrubias 2/24/2022 2:47:35 PM 2/24/22 Reviewed By: Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No  $\square$ Not Present 2. How was the sample delivered? FedEx Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA  $\square$  Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗸 NA  $\square$ 5. Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? **V** No 🗌 8. Was preservative added to bottles? Yes No 🗸 NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA 🗸 10. Were any sample containers received broken? Yes 🗌 No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? No Yes 🗸 No  $\square$ 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes 🗌 No 🗌 NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 1 0.7 Good Not Present

	HALL ENVIRONMENTAL	ANALYSIS LABORATORY www.hallenvironmental.com	4001 Hawking NE	- Albuqu	lel. 505-345-3975 Fax 505-345-4107	Analysis Request			MC	00 0 C	2540 PA 3	MS SCI	14d 15 3	XXX										ntracted data will be clearly notated on the analytical report.
			4901 H		lel. 50	0	.00£ b		ЯO	N (	d200	itrate/N XN SN Noride	11 ;	X							Kemarks:	,		ossibility. Any sub-col
	Z Standard	t Name:	Big Sky Dain			Project Manager:	Gina Mullen	Sampler: Angel Nieto Rivera		# of Coolers; (	Cooler Temp(including cF); ひろいこのア	Container Preservative Type and # Type								Received by: Via: Date Time	A TO TO STATE WAY	Received by: Via: Date Time	tracted to other connection laborates.	inacted to ourse accredited laboratories. This serves as notice of this p
עוומווו-טו-עמטוטען וופטווע		EA Engineering, Science, and Technology Mailing Address:		320 Gold Ave SW Suite	Phone #: 505-715-4279	email or Fax#: rmullen@eaest.com	QA/QC Package:	on: 🗆 Az Cor	□ NELAC □ Other	□ EUU (Iype)		Date Time Matrix Sample Name	233 14:45 6w 833-06							Time: Relinquished by:	13 16:25 And MR	rate: Time: Kelinquished by:	I necessary, samples submitted to Hall Environmental may be subcont	Supporting the description of the description of the serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 10, 2022

Gina Mullen

EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, NM 87102

TEL: FAX:

RE: Big Sky Dairy OrderNo.: 2202C67

#### Dear Gina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/25/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### Lab Order 2202C67

Date Reported: 3/10/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-04

 Project:
 Big Sky Dairy
 Collection Date: 2/24/2022 11:35:00 AM

 Lab ID:
 2202C67-001
 Matrix: GROUNDWA
 Received Date: 2/25/2022 1:15:00 PM

Analyses	Result	RL	Qual	Units	DF Date A	Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	890	50	*	mg/L	100 3/8/20	22 8:52:00 PM	A86345
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/25/2	022 10:28:03 PM	R86102
Nitrogen, Nitrate (As N)	29	1.0	*	mg/L	10 2/25/2	022 10:28:03 PM	R86102
Sulfate	470	50	*	mg/L	100 2/25/2	022 10:40:24 PM	R86102
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2860	20.0	*	mg/L	1 3/7/20	22 4:14:00 PM	65925
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 3/3/20	22 1:51:00 PM	65897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

#### Lab Order 2202C67

Date Reported: 3/10/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-02

 Project:
 Big Sky Dairy
 Collection Date: 2/24/2022 2:10:00 PM

 Lab ID:
 2202C67-002
 Matrix: GROUNDWA
 Received Date: 2/25/2022 1:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	JMT
Chloride	1200	50	*	mg/L	100	3/8/2022 9:04:51 PM	A86345
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/25/2022 11:42:07 PM	R86102
Nitrogen, Nitrate (As N)	53	1.0	*	mg/L	10	2/25/2022 11:42:07 PM	R86102
Sulfate	520	50	*	mg/L	100	2/25/2022 11:54:27 PM	R86102
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	KS
Total Dissolved Solids	3580	20.0	*	mg/L	1	3/7/2022 4:14:00 PM	65925
SM 4500 NORG C: TKN						Analyst:	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/3/2022 1:51:00 PM	65897

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

EA Engineering

**Client:** 

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C67** 

10-Mar-22

Project:	Big Sky Dairy									
Sample ID: MB	Sam	pType: <b>m</b> k	olk	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: PBW	Ba	tch ID: R8	6102	F	RunNo: 80	6102				
Prep Date:	Analysis	Date: 2/	25/2022	S	SeqNo: 30	035395	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								
Sample ID: LCS	Sam	pType: Ics	3	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: LCSW	Ba	tch ID: R8	6102	F	RunNo: 8	6102				
Prep Date:	Analysis	Date: 2/	25/2022	8	SeqNo: 30	035396	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	0.95	0.10	1.000	0	95.2	90	110			
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0	97.0	90	110			
Sulfate	9.0	0.50	10.00	0	90.1	90	110			
Sample ID: 2202C	67-001AMS Sam	рТуре: т	5	Tes	tCode: El	PA Method	300.0: Anions	;		
Client ID: 833-04	Ba	tch ID: R8	6102	F	RunNo: 80	6102				
Prep Date:	Analysis	Date: 2/	25/2022	S	SeqNo: 30	035423	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	8.8	1.0	10.00	0	88.2	83.4	105			
Nitrogen, Nitrate (As N)	54	1.0	25.00	29.02	102	93.5	110			
Sample ID: 2202C	67-001AMSD Sam	pType: <b>ms</b>	sd	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: 833-04	Ba	tch ID: R8	6102	F	RunNo: 80	6102				
Prep Date:										
1 Top Bato.	Analysis	Date: 2/	25/2022	S	SeqNo: 30		Units: mg/L			
Analyte	Analysis Result			SPK Ref Val			Units: mg/L HighLimit	%RPD	RPDLimit	Qual
	•	PQL			SeqNo: 30	035424	ū	%RPD 0.554	RPDLimit 20	Qual
Analyte	Result	PQL 1.0	SPK value	SPK Ref Val	SeqNo: 36	035424 LowLimit	HighLimit			Qual
Analyte Nitrogen, Nitrite (As N)	Result 8.9 55	PQL 1.0	SPK value 10.00 25.00	SPK Ref Val 0 29.02	%REC 88.7 102	035424 LowLimit 83.4 93.5	HighLimit	0.554 0.136	20	Qual
Analyte Nitrogen, Nitrite (As N) Nitrogen, Nitrate (As N)	Result 8.9 55 Sam	PQL 1.0 1.0	SPK value 10.00 25.00	SPK Ref Val 0 29.02	%REC 88.7 102	2035424 LowLimit 83.4 93.5 PA Method	HighLimit 105 110	0.554 0.136	20	Qual
Analyte Nitrogen, Nitrite (As N) Nitrogen, Nitrate (As N)  Sample ID: MB	Result 8.9 55 Sam Ba	PQL 1.0 1.0 pType: <b>mk</b>	SPK value 10.00 25.00 Dlk	SPK Ref Val 0 29.02 Tes	%REC 88.7 102	2035424 LowLimit 83.4 93.5 PA Method 6345	HighLimit 105 110	0.554 0.136	20	Qual

#### Qualifiers:

Chloride

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference

ND

0.50

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C67** 

10-Mar-22

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: A86345 RunNo: 86345

Prep Date: Analysis Date: 3/8/2022 SeqNo: 3045319 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 5.0 0.50 5.000 0 101 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C67** 

10-Mar-22

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-65925 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65925 RunNo: 86287

Prep Date: 3/3/2022 Analysis Date: 3/7/2022 SegNo: 3042311 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-65925 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 65925 RunNo: 86287

Prep Date: 3/3/2022 Analysis Date: 3/7/2022 SeqNo: 3042312 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1030 20.0 1000 0 103 80 120

Sample ID: 2202C67-002ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 833-02 Batch ID: 65925 RunNo: 86287

Prep Date: 3/3/2022 Analysis Date: 3/7/2022 SeqNo: 3042322 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 3620 20.0 1.03 10 \*

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 6

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C67** 

10-Mar-22

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-65897 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65897 RunNo: 86230

Prep Date: 3/2/2022 Analysis Date: 3/3/2022 SeqNo: 3039298 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65897 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65897 RunNo: 86230

Prep Date: 3/2/2022 Analysis Date: 3/3/2022 SeqNo: 3039299 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.8 1.0 10.00 0 98.0 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: EA Engineering	Work Order Num	nber: 2202C67		RcptNo: 1	
Received By: Cheyenne Cason	2/25/2022 1:15:00	PM	Chenl		
Completed By: Isaiah Ortiz	2/25/2022 1:49:52	РМ	Chal	Dock	
Reviewed By: Cuc	2/25/22				
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		<u>FedEx</u>			
<u>Log In</u>					
3. Was an attempt made to cool the sa	amples?	Yes 🗸	No 🗌	NA 🗆	
4. Were all samples received at a temp	perature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sample volume for indicate	ed test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG	) properly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗹	NA 🗆	
9. Received at least 1 vial with headspa	ace <1/4" for AQ VOA?	Yes	No 🗌	NA 🗸	
10. Were any sample containers receive	ed broken?	Yes	No 🗸	# of preserved	
11. Does paperwork match bottle labels' (Note discrepancies on chain of cust		Yes 🗸	No 🗆	bottles checked for pH:	unless noted)
12. Are matrices correctly identified on C	Chain of Custody?	Yes 🗸	No 🗌	Adjusted?	,
13. Is it clear what analyses were reques		Yes 🗸	No 🗌	, -	
<ol> <li>Were all holding times able to be me (If no, notify customer for authorization)</li> </ol>	t? on.)	Yes 🗹	No 🗆	Checked by: Se	czliski
Special Handling (if applicable)					
15. Was client notified of all discrepanci	es with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date:		O THE CAMPAGE STATE OF THE PARTY.		
By Whom:	Via:	eMail P	hone 🗌 Fax	☐ In Person	
Regarding: Client Instructions:					
16. Additional remarks:					
17. Cooler Information  Cooler No Temp °C Condition  1 1.6 Good	on Seal Intact Seal No Not Present	Seal Date	Signed By		

	Chair	n-ot-C	Chain-of-Custody Record	Turn-Around	Time:				ı								
Client:	ايد		e 1800	☐ Standard	d 🗆 Rush	Ę		Пί	I	HALL ENVI		VIR	HALL ENVIRONMENTAL	M	Z	A.	
EA E	ngineerin	ig, Scienc	EA Engineering, Science, and Technology						\$	led w			Www hallenvironmental com	2	<i>J</i> = 4	¥	
Mall	Mailing Address:	SS:	- W	Big Sky Dair	>		490	4901 Hawkins NF	wkins	Н	Alhin		Albuquerane NM 87100	07400			
320 0	Sold Ave	320 Gold Ave SW Suite		Project #:			<u> </u>	1 505	505-345-307E			nei dae	7, INIVI 0	07 108			
Phone #:	e #:	505-715-4279	5-4279				2	-	2	A	rax	Analysis Remiest	vsis Remest	/0			
email	email or Fax#:		rmullen@eaest.com	Project Mana	ager:	e e s	00		-		_						
QA/Q	QA/QC Package:	äi			Gina Mullen	-	)E p				2						
□ St	□ Standard		☐ Level 4 (Full Validation)				еџро	0			80						
Accre	Accreditation:		☐ Az Compliance	Sampler:	Angel Nieto Rivera	Rivera	M A				109					-	
□ NELAC	LAC A	□ Other		On Ice:	⊠ Yes	ON 🗆	Eb				Υc	Service Co.			40		
□[ □	EDD (Type)			# of Coolers:	7		sə				13						
				Cooler Temp(including CF): )	(including CF): )	21210-1	I I Vitrit				SUJC						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO.	litrate/l	, plocide .KN 2V	DS SM	ulfate	ydsoy	otal Su			4)		
4.34	11:35	Se	833-04			100	v ×	-	-	_	d		-			+	
250	J-34 14.10	Gw	833-02	γ		200	X	X	X	4					+	+	
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Date:	Time:	Relinguished by:		Received by:	Via:	Date Time		4			$\dashv$						
2.34	15.30	Ju	1	m B	<b>3.</b> 1		кетатк										
Date:	Time:	Relinquished by:		Received by:	Via:	Date Time											
,	If necessary,	, samples sub	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	intracted to other ac	credited laboratorie	is. This serves as notice of the	I is possibility. Ar	y sub-co	ontracte	d data wil	be clear	ly notated	d on the a	ınalytical	report.	~	



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

March 31, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX

RE: Dona Ana Dairies OrderNo.: 2203A09

#### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/18/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### Lab Order 2203A09

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/31/2022

CLIENT: EA Engineering Client Sample ID: DAD-24

 Project:
 Dona Ana Dairies
 Collection Date: 3/17/2022 11:25:00 AM

 Lab ID:
 2203A09-001
 Matrix: GROUNDWA
 Received Date: 3/18/2022 9:15:00 AM

Analyses	Result	PQL Q	ual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: <b>LRN</b>
Chloride	890	50	*	mg/L	100	3/18/2022 2:50:37 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/18/2022 2:13:35 PM
Nitrogen, Nitrate (As N)	5.5	1.0		mg/L	10	3/18/2022 2:13:35 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2620	20.0	*	mg/L	1	3/27/2022 6:34:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/29/2022 1:38:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

### Lab Order **2203A09**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/31/2022

CLIENT: EA Engineering Client Sample ID: DAD-19

 Project:
 Dona Ana Dairies
 Collection Date: 3/17/2022 12:40:00 PM

 Lab ID:
 2203A09-002
 Matrix: GROUNDWA
 Received Date: 3/18/2022 9:15:00 AM

Analyses	Result	PQL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: <b>LRN</b>
Chloride	980	50	*	mg/L	100	3/18/2022 3:15:19 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/18/2022 3:02:58 PM
Nitrogen, Nitrate (As N)	27	1.0	*	mg/L	10	3/18/2022 3:02:58 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: <b>KS</b>
Total Dissolved Solids	2960	20.0	*	mg/L	1	3/27/2022 6:34:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/29/2022 1:38:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

#### Lab Order **2203A09**

Date Reported: 3/31/2022

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Client Sample ID: DAD-17

**Project:** Dona Ana Dairies Collection Date: 3/17/2022 2:47:00 PM

**Lab ID:** 2203A09-003 **Matrix:** GROUNDWA **Received Date:** 3/18/2022 9:15:00 AM

Analyses	Result	PQL Qual Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS				Analyst: LRN
Chloride	170	5.0 mg/L	10	3/18/2022 3:52:22 PM
Nitrogen, Nitrite (As N)	ND	1.0 mg/L	10	3/18/2022 3:52:22 PM
Nitrogen, Nitrate (As N)	2.7	1.0 mg/L	10	3/18/2022 3:52:22 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS				Analyst: KS
Total Dissolved Solids	985	100 *D mg/L	1	3/27/2022 6:34:00 PM
SM 4500 NORG C: TKN				Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	1.0 mg/L	1	3/29/2022 1:38:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

#### Lab Order **2203A09**

Date Reported: 3/31/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-05

 Project:
 Dona Ana Dairies
 Collection Date: 3/17/2022 3:35:00 PM

 Lab ID:
 2203A09-004
 Matrix: GROUNDWA
 Received Date: 3/18/2022 9:15:00 AM

Analyses	Result	PQL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: <b>LRN</b>
Chloride	310	50	*	mg/L	100	3/18/2022 4:29:24 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/18/2022 4:17:03 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/18/2022 4:17:03 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1840	200	*D	mg/L	1	3/27/2022 6:34:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	18	10	D	mg/L	1	3/29/2022 1:38:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

**EA** Engineering

**Client:** 

### Hall Environmental Analysis Laboratory, Inc.

Analysis Date: 3/18/2022

PQL

1.0

1.0

SPK value SPK Ref Val

5.480

10.00

25.00

Result

8.6

30

WO#: **2203A09** 

31-Mar-22

**Project:** Dona Ana Dairies Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: R86577 RunNo: 86577 Prep Date: Analysis Date: 3/18/2022 SeqNo: 3056538 Units: mg/L PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Chloride ND 0.50 Nitrogen, Nitrite (As N) ND 0.10 Nitrogen, Nitrate (As N) ND 0.10 Sample ID: LCS TestCode: EPA Method 300.0: Anions SampType: Ics Client ID: LCSW Batch ID: R86577 RunNo: 86577 Prep Date: Analysis Date: 3/18/2022 SeqNo: 3056539 Units: mg/L SPK Ref Val %REC Analyte Result PQL SPK value LowLimit HighLimit %RPD **RPDLimit** Qual 0.50 0 93.2 90 110 Chloride 4.7 5.000 Nitrogen, Nitrite (As N) 0.96 0.10 1.000 0 96.2 90 110 0 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 99.6 90 110 Sample ID: 2203A09-001AMS TestCode: EPA Method 300.0: Anions SampType: ms Client ID: DAD-24 Batch ID: R86577 RunNo: 86577 Prep Date: Analysis Date: 3/18/2022 SeqNo: 3056553 Units: mg/L SPK value SPK Ref Val %REC **RPDLimit** Analyte Result PQL LowLimit HighLimit %RPD Qual Nitrogen, Nitrite (As N) 8.6 1.0 10.00 0 86.1 83.4 105 Nitrogen, Nitrate (As N) 30 1.0 25.00 5.480 98.9 93.5 110 Sample ID: 2203A09-001AMSD TestCode: EPA Method 300.0: Anions SampType: msd Client ID: DAD-24 Batch ID: R86577 RunNo: 86577

#### Qualifiers:

Prep Date:

Nitrogen, Nitrite (As N)

Nitrogen, Nitrate (As N)

Analyte

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

SeqNo: 3056554

LowLimit

83.4

93.5

%REC

85.6

98.0

Units: mg/L

HighLimit

105

110

%RPD

0.495

0.747

**RPDLimit** 

20

20

Qual

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203A09** 

31-Mar-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66376 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66376 RunNo: 86764

Prep Date: 3/24/2022 Analysis Date: 3/27/2022 SeqNo: 3063824 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66376 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66376 RunNo: 86764

Prep Date: 3/24/2022 Analysis Date: 3/27/2022 SeqNo: 3063825 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

Sample ID: 2203A09-002ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: **DAD-19** Batch ID: **66376** RunNo: **86764** 

Prep Date: 3/24/2022 Analysis Date: 3/27/2022 SeqNo: 3063833 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 2940 20.0 0.441 10 \*

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203A09** 

31-Mar-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66427 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66427 RunNo: 86817

Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066025 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66427 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66427 RunNo: 86817

Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066026 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 10 1.0 10.00 0 101 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name:	EA Engineering	Work Order Nur	nber: 2203A09		RcptNo: 1	
Received By:	Juan Rojas	3/18/2022 9:15:00	АМ	Heaven &		
Completed By:	Sean Livingston	3/18/2022 9:43:40	AM	Guarango S.L.	- 1	
Reviewed By:	OT	3/18/22		)-L1	John	
Chain of Cus	<u>tody</u>					
1. Is Chain of C	ustody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the	sample delivered?		<u>FedEx</u>			
Log In						
3. Was an attem	npt made to cool the samp	oles?	Yes 🗸	No 🗌	NA 🗆	
4. Were all samp	oles received at a tempera	ature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in p	proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sam	ple volume for indicated t	est(s)?	Yes 🗸	No 🗌		
7. Are samples (	except VOA and ONG) pr	operly preserved?	Yes 🗸	No 🗌		
8. Was preservat	tive added to bottles?		Yes	No 🗸	NA 🗆	
9. Received at lea	ast 1 vial with headspace	<1/4" for AQ VOA?	Yes	No 🗌	NA 🔽	
10. Were any sam	nple containers received b	roken?	Yes	No 🗹	# of preserved	
	rk match bottle labels? ncies on chain of custody	)	Yes 🗸	No 🗆	bottles checked for pH:	unless noted)
12. Are matrices co	orrectly identified on Chai	n of Custody?	Yes 🗸	No 🗌	Adjusted?	
	analyses were requested	?	Yes 🗸	No 🗌		1 - [
	g times able to be met? stomer for authorization.)		Yes 🗸	No 🗆	Checked by: MY	(1 3/18/27
	ng (if applicable)					
	ified of all discrepancies v	vith this order?	Yes	No 🗌	NA 🗸	
Person N	Notified:	Date	Perfection in the second discontinuous second	et an armed and a surface to the surface of		
By Whor	n:	Via:	eMail P	hone  Fax	☐ In Person	
Regardir Client Ins	ng: structions:					
16. Additional rem	,					
17. Cooler Inform						
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
1	0.4 Good					

Chain-of-Custody Record	Turn-Around Time:	
Client:	☑ Standard □ Rush	HALL ENVIRONMENTAL
EA Engineering, Science, and Technology		ANALYSIS LABORATORY
Mailing Address:	Dona Ana Dairies (DAD'S)	www.nallenvironmental.com
320 Gold Ave SW Suite	Project #:	Hawkins NE - Albuqu
Phone #: 505-715-4279		lei. 505-345-3975 Fax 505-345-4107
email or Fax#: rmullen@eaest.com	Project Manager:	Alialysis request
QA/QC Package:	Gina Mullen	900 p
☐ Standard ☐ Level 4 (Full Validation)		2
Accreditation: ☐ Az Compliance ☐ Other	Sampler: Angel Nieto Rivera	NOD NOD
□ EDD (Type)	olers:	300 ∀ 30 00 V
	Cooler Temp(including CF): は、インじつじ、	1 254 1 254 1 450
Date Time Matrix Sample Name	Container Preservative Type and # Type	litrate/N :hloride DS SM ulfate I
3-17 11:25 GW DAD-24	6	S > > > > > > > > > > > > > > > > > > >
3-17 D.40 Gw DAD-19		
44.71		< × × × × × × × × × × × × × × × × × × ×
3-17 15:35 Gw DAD-05		\ ×
		\
1	Time	Remarks:
P.IS	FEDEX 3/18/22 9-15	
ate: Time: Relinquished by:	Received by: Via: Date Time	

necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 05, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies OrderNo.: 2203A96

#### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/21/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### Lab Order **2203A96**

Date Reported: 4/5/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-18

 Project:
 Dona Ana Dairies
 Collection Date: 3/18/2022 10:26:00 AM

 Lab ID:
 2203A96-001
 Matrix: GROUNDWA
 Received Date: 3/21/2022 9:37:00 AM

Analyses	Result	RL Qual Units			DF	Date Analyzed			
EPA METHOD 300.0: ANIONS						Analyst: LRN			
Chloride	590	50	*	mg/L	100	3/22/2022 10:22:45 PM			
Nitrate+Nitrite as N	6.3	1.0		mg/L	5	3/23/2022 12:50:53 AM			
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: <b>KS</b>			
Total Dissolved Solids	2530	20.0	*	mg/L	1	3/28/2022 11:15:00 AM			
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>			
Nitrogen, Kjeldahl, Total	1.1	1.0		mg/L	1	3/31/2022 9:47:00 AM			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

#### Lab Order **2203A96**

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/5/2022

CLIENT: EA Engineering Client Sample ID: DAD-08

 Project:
 Dona Ana Dairies
 Collection Date: 3/18/2022 11:48:00 AM

 Lab ID:
 2203A96-002
 Matrix: GROUNDWA
 Received Date: 3/21/2022 9:37:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LRN
Chloride	1600	50	*	mg/L	100	3/22/2022 10:47:26 PM
Nitrate+Nitrite as N	44	2.0	*	mg/L	10	3/24/2022 5:47:05 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	4520	100	*D	mg/L	1	3/28/2022 11:15:00 AM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/31/2022 9:47:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Lab Order **2203A96**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/5/2022

CLIENT: EA Engineering Client Sample ID: DAD-25

 Project:
 Dona Ana Dairies
 Collection Date: 3/18/2022 3:47:00 PM

 Lab ID:
 2203A96-003
 Matrix: GROUNDWA
 Received Date: 3/21/2022 9:37:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed			
EPA METHOD 300.0: ANIONS					Analyst: <b>LRN</b>			
Chloride	120	5.0	mg/L	10	3/22/2022 10:59:47 PM			
Nitrate+Nitrite as N	3.4	1.0	mg/L	5	3/23/2022 1:15:34 AM			
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: KS			
Total Dissolved Solids	840	200	*D mg/L	1	3/28/2022 11:15:00 AM			
SM 4500 NORG C: TKN					Analyst: <b>EKM</b>			
Nitrogen, Kjeldahl, Total	ND	2.0	D mg/L	1	3/31/2022 9:47:00 AM			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

# Hall Environmental Analysis Laboratory, Inc.

Analysis Date: 3/24/2022

0.20

3.500

Result

3.6

WO#: **2203A96** 

05-Apr-22

Client: Project:	EA Engineering Dona Ana Dairies								
		=							
Sample ID: MB	SampType: mblk TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: <b>R86687</b> RunNo: <b>86687</b>								
Prep Date:	Analysis Date: 3/22/2022 SeqNo: 3060822 Units: mg/L								
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual								
Chloride	ND 0.50								
Nitrate+Nitrite as N	ND 0.20								
Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions									
Client ID: LCSW	Batch ID: <b>R86687</b> RunNo: <b>86687</b>								
Prep Date:	Analysis Date: 3/22/2022 SeqNo: 3060824 Units: mg/L								
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual								
Chloride	4.7 0.50 5.000 0 94.3 90 110								
Nitrate+Nitrite as N	3.5 0.20 3.500 0 99.9 90 110								
Sample ID: MB	SampType: mblk TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: <b>R86750</b> RunNo: <b>86750</b>								
Prep Date:	Analysis Date: 3/24/2022 SeqNo: 3063328 Units: mg/L								
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual								
Nitrate+Nitrite as N	ND 0.20								
Sample ID: LCS	SampType: Ics TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: <b>R86750</b> RunNo: <b>86750</b>								

SPK value SPK Ref Val %REC LowLimit

0

#### Qualifiers:

Prep Date:

Analyte
Nitrate+Nitrite as N

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

SeqNo: 3063329

102

Units: mg/L

HighLimit

110

90

%RPD

**RPDLimit** 

Qual

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203A96** 

05-Apr-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66400 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66400 RunNo: 86776

Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3064315 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66400 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66400 RunNo: 86776

Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3064316 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1010 20.0 1000 0 101 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203A96** 

05-Apr-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66495 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66495 RunNo: 86877

Prep Date: 3/30/2022 Analysis Date: 3/31/2022 SegNo: 3069243 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66495 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66495 RunNo: 86877

Prep Date: 3/30/2022 Analysis Date: 3/31/2022 SeqNo: 3069244 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

Sample ID: 2203A96-001AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: **DAD-18** Batch ID: **66495** RunNo: **86877** 

Prep Date: 3/30/2022 Analysis Date: 3/31/2022 SeqNo: 3069247 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.7 1.0 10.00 1.120 85.4 75 125

Sample ID: 2203A96-001AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: **DAD-18** Batch ID: **66495** RunNo: **86877** 

Prep Date: 3/30/2022 Analysis Date: 3/31/2022 SeqNo: 3069248 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 10 1.0 10.00 1.120 89.6 75 125 4.26 20

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: clients.hallenvironmental.com Client Name: EA Engineering Work Order Number: 2203A96 RcptNo: 1 Received By: Cheyenne Cason 3/21/2022 9:37:00 AM Completed By: Desiree Dominguez 3/21/2022 9:49:21 AM Reviewed By: 3-21-22 Chain of Custody 1. Is Chain of Custody complete? Yes V No 🗌 Not Present 2. How was the sample delivered? FedEx Log In 3. Was an attempt made to cool the samples? Yes V No NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 8. Was preservative added to bottles? Yes No 🗸 NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA 🗸 10. Were any sample containers received broken? Yes No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 JN3/21/22 14. Were all holding times able to be met? No 🗌 Checked by: Yes 🗸 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes 🗌 No 🗌 NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 6.0 Good

	MALL ENVIKONMENTAL ANAI YSTS I AROBATORY		sins NE - Albuquerque NM 87109		Inal					00	? EE	ouns	Sulfate Phosph Total Su			×							
			4901 Hawkins NE	Tel 505-345-3975		.00	£ bc		ЭВС	NC	009	9† V	Nitrate/I TKN SN Chloride	×	×××	XXX					arks:		
	J L			1											,						Remarks:		
Turn-Around Time:	G∕Standard □ Rush	ect:	Dona Ana Dairies (DAD'S)	Project #:		Project Manager:	Gina Mullen		ij		# of Coolers: (	Cooler Temp(including CF): C O - C - O	Container Type and # Type	2001	2002	ì					Received by: Via: Date Time	Com Celler 3/21/20 G937	Via: Date
Chain-of-Custody Record Turn		Science, and Technology		Proj	4279	rmullen@eaest.com Proje	6	☐ Level 4 (Full Validation)		On Ice:	Jo #	C00	Sample Name Type	DAD-18	DAD-08	1					-	1	
in-of-Cu				320 Gold Ave SW Suite	505-715-4279		age:			□ Other	(ed		Matrix	10.36 Gr	18 Gw	47 GW					: Relinguished by:		: Relinquished by:
Cha	Client:	EA Engineering,	Mailing Address:	320 Gold Av	Phone #:	email or Fax#:	QA/QC Package:	☐ Standard	Accreditation:	□ NELAC	☐ EDD (Type)		Date Time	3-18 10.	3-18 11:48	A-13-18 15:47					Date: Time:	$\infty$	Date: Time:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 03, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies OrderNo.: 2203C05

#### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/23/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order **2203C05**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/3/2022

CLIENT: EA Engineering Client Sample ID: DAD-07

 Project:
 Dona Ana Dairies
 Collection Date: 3/22/2022 10:50:00 AM

 Lab ID:
 2203C05-001
 Matrix: GROUNDWA
 Received Date: 3/23/2022 9:30:00 AM

Analyses	Result	PQL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	480	50	*	mg/L	100	3/23/2022 2:45:11 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/23/2022 2:32:43 PM
Nitrogen, Nitrate (As N)	18	1.0	*	mg/L	10	3/23/2022 2:32:43 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2160	40.0	*D	mg/L	1	3/31/2022 1:21:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/31/2022 1:29:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Lab Order **2203C05**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/3/2022

CLIENT: EA Engineering Client Sample ID: DAD-21

Project: Dona Ana Dairies Collection Date: 3/22/2022 1:05:00 PM

Lab ID: 2203C05-002 Matrix: GROUNDWA Received Date: 3/23/2022 9:30:00 AM

Analyses	Result	PQL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	900	50	*	mg/L	100	3/23/2022 3:36:41 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/23/2022 3:23:49 PM
Nitrogen, Nitrate (As N)	41	1.0	*	mg/L	10	3/23/2022 3:23:49 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2840	40.0	*D	mg/L	1	3/31/2022 1:21:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/31/2022 1:29:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

#### Lab Order 2203C05

Date Reported: 4/3/2022

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering Client Sample ID: DAD-09

Collection Date: 3/22/2022 2:35:00 PM Project: Dona Ana Dairies 2203C05-003 Lab ID: Matrix: GROUNDWA Received Date: 3/23/2022 9:30:00 AM

Analyses	Result	PQL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	510	50	*	mg/L	100	3/23/2022 4:02:25 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/23/2022 3:49:33 PM
Nitrogen, Nitrate (As N)	32	1.0	*	mg/L	10	3/23/2022 3:49:33 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1860	40.0	*D	mg/L	1	3/31/2022 1:21:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/31/2022 1:29:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203C05** 

03-Apr-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: R86723 RunNo: 86723

Prep Date: Analysis Date: 3/23/2022 SeqNo: 3061808 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Chloride
 ND
 0.50

 Nitrogen, Nitrite (As N)
 ND
 0.10

 Nitrogen, Nitrate (As N)
 ND
 0.10

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R86723 RunNo: 86723

Prep Date: Analysis Date: 3/23/2022 SeqNo: 3061809 Units: mg/L

SPK value SPK Ref Val %REC %RPD Analyte Result PQL LowLimit HighLimit **RPDLimit** Qual Chloride 4.8 0.50 5.000 0 95.6 90 110 Nitrogen, Nitrite (As N) 1.0 0.10 1.000 0 99.5 90 110 0 Nitrogen, Nitrate (As N) 2.6 0.10 2.500 103 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203C05** 

03-Apr-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66464 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66464 RunNo: 86882

Prep Date: 3/29/2022 Analysis Date: 3/31/2022 SeqNo: 3069504 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66464 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66464 RunNo: 86882

Prep Date: 3/29/2022 Analysis Date: 3/31/2022 SeqNo: 3069505 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203C05** 

03-Apr-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66535 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66535 RunNo: 86888

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3069720 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66535 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66535 RunNo: 86888

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3069721 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Received By: Kasandra Payan 3/23/2022 9.30:00 AM  Completed By: Desiree Dominguez 3/23/27    Chain of Custody	Client Name:	EA Engineering	Work Order Nur	mber: <b>2203C05</b>		RcptNo: 1	
Completed by:   Desireo Dominguez   3/23/2022 10.45.46 AM	Received By:	Kasandra Payan	3/23/2022 9:30:00	O AM	Hl		
Chain of Custody  1. Is Chain of Custody  2. How was the sample delivered?  Log In  3. Was an attempt made to cool the samples?  4. Were all samples received at a temperature of >0° C to 6.0°C  5. Sample(s) in proper container(s)?  6. Sufficient sample volume for indicated test(s)?  7. Are samples (except VOA and ONG) properly preserved?  8. Was preservative added to bottles?  9. Received at least 1 vial with headspace <1/4" for AQ VOA?  10. Were any sample containers received broken?  11. Does paperwork match bottle labels?  (Note discrepancies on chain of custody)  12. Are matrices correctly identified on Chain of Custody?  13. Is it clear what analyses were requested?  14. Were all hodring times able to be met?  (If no, notify customer for authorization.)  Special Handling (if applicable)  15. Was client notified of all discrepancies with this order?  Person Notified:  By Whom:  Regarding:  Client Instructions:  16. Additional remarks:  17. Cooler No Temp *C Condition Seal Intact Seal No Seal Date Signed By	Completed By:	, 100 mm m m m m m m m m m m m m m m m m					
Chain of Custody  1. Is Chain of Custody 2. How was the sample delivered?  FedEx  Log In 3. Was an attempt made to cool the samples?  4. Were all samples received at a temperature of >0° C to 6.0°C  Sample(s) in proper container(s)?  6. Sufficient sample volume for indicated test(s)?  7. Are samples (except VOA and ONG) properly preserved?  8. Was preservative added to bottles?  9. Received at least 1 vial with headspace <14" for AQ VOA?  10. Were any sample containers received broken?  11. Does paperwork match bottle labels?  (Note discrepancies on chain of custody)  12. Are matrices correctly identified on Chain of Custody?  13. Is it clear what analyses were requested?  Yes \(\nabla\) No \(\nabla\) Adjusted?  14. Were all holding times able to be met?  (If no, notify customer for authorization.)  Special Handling (if applicable)  15. Was client notified of all discrepancies with this order?  Yes \(\nabla\) No \(\nabla\) Na \(\nabla\)  Person Notified:  By Whom:  Cient Instructions:  16. Additional remarks:  17. Cooler No Temp °C Condition   Seal Intact   Seal No   Seal Date   Signed By	**************************************			70 7 1111	113		
1. Is Chain of Custody complete? 2. How was the sample delivered?    Eddex		_16	2/52/2				
1. Is Chain of Custody complete? 2. How was the sample delivered?    Eddex	Chain of Cus	tody					
A. Were all samples received at a temperature of >0° C to 6.0°C  4. Were all samples received at a temperature of >0° C to 6.0°C  5. Sample(s) in proper container(s)?  6. Sufficient sample volume for indicated test(s)?  7. Are samples (except VOA and ONG) properly preserved?  8. Was preservative added to bottles?  9. Received at least 1 vial with headspace <1/4" for AQ VOA?  9. Received at least 1 vial with headspace <1/4" for AQ VOA?  10. Were any sample containers received broken?  11. Does paperwork match bottle labels?  (Note discrepancies on chain of custody)  12. Are matrices correctly identified on Chain of Custody?  13. Is it clear what analyses were requested?  14. Were all holding times able to be met?  (If no, notify customer for authorization.)  Special Handling (if applicable)  15. Was client notified of all discrepancies with this order?  Person Notified:  By Whom:  Regarding:  Client Instructions:  16. Additional remarks:  17. Cooler Information  Cooler No Temp *C Condition Seal Intact Seal No Seal Date Signed By	1. Is Chain of Cu	ustody complete?		Yes 🗸	No 🗌	Not Present	
3. Was an attempt made to cool the samples?  4. Were all samples received at a temperature of >0° C to 6.0°C  4. Were all samples received at a temperature of >0° C to 6.0°C  5. Sample(s) in proper container(s)?  6. Sufficient sample volume for indicated test(s)?  7. Are samples (except VOA and ONG) properly preserved?  8. Was preservative added to bottles?  9. Received at least 1 vial with headspace <1/4" for AQ VOA?  10. Were any sample containers received broken?  11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)  12. Are matrices correctly identified on Chain of Custody?  13. Is it clear what analyses were requested?  14. Were all holding times able to be met? (Iff no, notify customer for authorization.)  Special Handling (if applicable)  15. Was client notified of all discrepancies with this order?  Person Notified:  By Whom:  Regarding: Client Instructions:  16. Additional remarks:  17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By	2. How was the	sample delivered?		FedEx			
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5. Sample(s) in proper container(s)?  Yes No    6. Sufficient sample volume for indicated test(s)?  7. Are samples (except VOA and ONG) properly preserved?  8. Was preservative added to bottles?  9. Received at least 1 vial with headspace <1/4" for AQ VOA?  10. Were any sample containers received broken?  11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)  12. Are matrices correctly identified on Chain of Custody?  13. Is it clear what analyses were requested?  14. Were all holding times able to be met? (If no, notify customer for authorization.)  Special Handling (if applicable)  15. Was client notified of all discrepancies with this order?  Person Notified:  Date:  By Whom:  Via:   eMail   Phone   Fax   In Person    Regarding:  Client Instructions:  16. Additional remarks:  17. Cooler Information  Cooler No   Temp °C   Condition   Seal Intact   Seal No   Seal Date   Signed By	<ol><li>Were all samp</li></ol>	oles received at a temperatu	re of >0° C to 6.0°C			NA 🗌	
6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.)  Special Handling (if applicable) 15. Was client notified of all discrepancies with this order?  Person Notified:  By Whom:  Regarding: Client Instructions:  16. Additional remarks:  17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By	5. Sample(s) in r	proper container(s)?					
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9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes  No  AV  10. Were any sample containers received broken? Yes  No  # of preserved bottles checked for pH: # of preserved how philadelia philadelia philadelia philadelia philadelia philadelia philadelia philadelia philadelia phi	7. Are samples (	except VOA and ONG) prop	erly preserved?	Yes 🗸	No 🗌		
10. Were any sample containers received broken?  Yes No   # of preserved bottles checked for pH:  3	8. Was preservat	ive added to bottles?		Yes	No 🗸	NA 🗆	
# of preserved bottles checked for pH:	9. Received at lea	ast 1 vial with headspace <	1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)  12. Are matrices correctly identified on Chain of Custody?  13. Is it clear what analyses were requested?  14. Were all holding times able to be met? (If no, notify customer for authorization.)  Special Handling (if applicable)  15. Was client notified of all discrepancies with this order?  Person Notified:  By Whom:  Regarding:  Client Instructions:  16. Additional remarks:  17. Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By	10. Were any sam	ple containers received bro	ken?	Yes	No 🗸	# of processed	
(Note discrepancies on chain of custody)  12. Are matrices correctly identified on Chain of Custody? Yes V No Adjusted? NO  13. Is it clear what analyses were requested? Yes V No Checked by: CMC 3/23/24  14. Were all holding times able to be met? Yes V No Checked by: CMC 3/23/24  (If no, notify customer for authorization.)  Special Handling (if applicable)  15. Was client notified of all discrepancies with this order? Yes No No NA V  Person Notified: Date: By Whom: Via: eMail Phone Fax In Person  Regarding: Client Instructions:  16. Additional remarks:  17. Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By	11 D					bottles checked	
12. Are matrices correctly identified on Chain of Custody? Yes V No Adjusted? NO  13. Is it clear what analyses were requested? Yes No Checked by: CMC 3/23/2C  14. Were all holding times able to be met? Yes No Checked by: CMC 3/23/2C  (If no, notify customer for authorization.)  Special Handling (if applicable)  15. Was client notified of all discrepancies with this order? Yes No No NA Person Notified: Date: By Whom: Via: eMail Phone Fax In Person  Regarding: Client Instructions:  16. Additional remarks:  17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By				Yes 🗸	No 🗀		oted)
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By Whom:  Regarding: Client Instructions:  16. Additional remarks:  17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By	15. Was client not	ified of all discrepancies wit	h this order?	Yes 🗌	No 🗌	NA 🗹	
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EA En	EA Engineering,	3, Science	Science, and Technology	Project:					\$	w ha	www.hallenvironmental.com	) ment		2	]	2	_
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Date:	Time:	Relinquished by:		Received by:		Time					7	pa	409 3/23/22	3	2		=

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 14, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies OrderNo.: 2203C96

#### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/24/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2203C96** 

Date Reported: 4/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-15

**Project:** Dona Ana Dairies
 Collection Date: 3/23/2022 11:38:00 AM

 **Lab ID:** 2203C96-001
 Matrix: AQUEOUS
 Received Date: 3/24/2022 9:10:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	640	50	*	mg/L	100	4/5/2022 11:43:47 AM
Nitrate+Nitrite as N	22	1.0	*	mg/L	5	4/5/2022 5:18:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: <b>KS</b>
Total Dissolved Solids	2590	20.0	*	mg/L	1	4/1/2022 12:15:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	4/4/2022 10:21:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2203C96** 

## Hall Environmental Analysis Laboratory, Inc. Date Reported: 4/14/2022

CLIENT: EA Engineering Client Sample ID: DAD-22

 Project:
 Dona Ana Dairies
 Collection Date: 3/23/2022 12:31:00 PM

 Lab ID:
 2203C96-002
 Matrix: AQUEOUS
 Received Date: 3/24/2022 9:10:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	780	50	*	mg/L	100	4/5/2022 11:56:40 AM
Nitrate+Nitrite as N	16	1.0	*	mg/L	5	4/5/2022 5:30:52 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2440	20.0	*	mg/L	1	4/1/2022 12:15:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	4/4/2022 10:21:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2203C96**Date Reported: **4/14/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-26

**Project:** Dona Ana Dairies
 Collection Date: 3/23/2022 1:57:00 PM

 **Lab ID:** 2203C96-003
 Matrix: AQUEOUS
 Received Date: 3/24/2022 9:10:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	560	50	*	mg/L	100	3/24/2022 6:03:42 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/24/2022 5:51:22 PM
Nitrogen, Nitrate (As N)	22	1.0	*	mg/L	10	3/24/2022 5:51:22 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1790	40.0	*D	mg/L	1	4/1/2022 12:15:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	4/4/2022 10:21:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 9

Lab Order **2203C96** 

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/14/2022

CLIENT: EA Engineering Client Sample ID: DAD-20

**Project:** Dona Ana Dairies
 Collection Date: 3/23/2022 3:00:00 PM

 **Lab ID:** 2203C96-004
 Matrix: AQUEOUS
 Received Date: 3/24/2022 9:10:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	730	50	*	mg/L	100	3/24/2022 6:28:25 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/24/2022 6:16:04 PM
Nitrogen, Nitrate (As N)	21	1.0	*	mg/L	10	3/24/2022 6:16:04 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2300	20.0	*	mg/L	1	4/1/2022 12:15:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	4/4/2022 10:21:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2203C96** 

Date Reported: 4/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-10

**Project:** Dona Ana Dairies
 Collection Date: 3/23/2022 4:20:00 PM

 **Lab ID:** 2203C96-005
 Matrix: AQUEOUS
 Received Date: 3/24/2022 9:10:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	390	50	*	mg/L	100	3/24/2022 6:53:07 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/24/2022 6:40:46 PM
Nitrogen, Nitrate (As N)	1.4	1.0		mg/L	10	3/24/2022 6:40:46 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1660	200	*D	mg/L	1	4/1/2022 12:15:00 PM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/4/2022 10:21:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

**EA Engineering** 

**Client:** 

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203C96** 

14-Apr-22

Project: Dona Ana	_									
Sample ID: MB	SampT	ype: <b>m</b> k	olk	Tes	tCode: <b>EF</b>	PA Method	300.0: Anions	3		
Client ID: PBW	Batch	n ID: <b>R8</b>	6748	F	RunNo: 80	6748				
Prep Date:	Analysis D	ate: 3/	24/2022	5	SeqNo: 30	063016	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND ND	0.10 0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Sample ID: LCS	SampT	ype: Ics	5	Tes	tCode: <b>EF</b>	A Method	300.0: Anions	5		
Client ID: LCSW	Batch	n ID: <b>R8</b>	6748	F	RunNo: 80	3748				
Prep Date:	Analysis D	ate: 3/	24/2022	5	SeqNo: 30	)63017	Units: mg/L			
Analyte	Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.6	90	110			
Nitrogen, Nitrite (As N) Nitrogen, Nitrate (As N)	0.96 2.5	0.10 0.10	1.000 2.500	0	96.5 99.5	90 90	110 110			
Nitrogen, Nitrate (AS N)	2.5	0.10	2.500	0	99.5	90	110			
Sample ID: 2203C96-001AMS	SampT	ype: <b>ms</b>	5	Tes	tCode: <b>EF</b>	A Method	300.0: Anions	6		
Client ID: DAD-15	Batch	n ID: <b>R8</b>	6748	F	RunNo: 80	3748				
Prep Date:	Analysis D	ate: 3/	24/2022	5	SeqNo: 30	)63043	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	47	1.0	25.00	21.27	102	93.5	110			
Sample ID: 2203C96-001AMS	<b>D</b> SampT	ype: <b>ms</b>	sd	Tes	tCode: <b>EF</b>	A Method	300.0: Anions	5		
Client ID: DAD-15	Batch	n ID: <b>R8</b>	6748	F	RunNo: 80	6748				
Prep Date:	Analysis D	ate: 3/	24/2022	5	SeqNo: 30	063044	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	47	1.0	25.00	21.27	104	93.5	110	0.805	20	
Sample ID: MB	SampT	ype: <b>m</b> k	olk	Tes	tCode: <b>EF</b>	A Method	300.0: Anions	3		
Client ID: PBW	Batch	n ID: <b>R8</b>	7050	F	RunNo: 87	7050				
Prep Date:	Analysis D	ate: 4/	5/2022	5	SeqNo: 30	<b>)76233</b>	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Nitrate+Nitrite as N	ND	0.20								
Sample ID: LCS	SampT	ype: <b>Ics</b>	3	Tes	tCode: <b>EF</b>	A Method	300.0: Anions	5		
Client ID: LCSW	Batch	n ID: <b>R8</b>	7050	F	RunNo: 87	7050				
Prep Date:	Analysis D	oto. 41	5/2022		SeqNo: 30	076241	Units: mg/L			
Frep Date.	7 thaiyolo D	aic. 4,	3/2022	`	Jeq110. 31	070241	ormo. mg/L			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 9

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203C96** 

14-Apr-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R87050 RunNo: 87050

Prep Date: Analysis Date: 4/5/2022 SeqNo: 3076241 Units: mg/L

Analyte **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Chloride 4.7 0.50 5.000 0 93.1 90 110 90 Nitrate+Nitrite as N 3.5 0.20 3.500 0 99.5 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 9

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2203C96

14-Apr-22

**Client: EA Engineering Project:** Dona Ana Dairies

**Total Dissolved Solids** 

Sample ID: MB-66515 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66515 RunNo: 86908

Prep Date: 3/30/2022 Analysis Date: 4/1/2022 SeqNo: 3070371 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66515 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66515 RunNo: 86908

Prep Date: Analysis Date: 4/1/2022 SeqNo: 3070372 Units: mg/L 3/30/2022

SPK value SPK Ref Val %REC %RPD **RPDLimit** Result PQL LowLimit HighLimit Qual Analyte 0

101

80

120

Sample ID: 2203C96-004ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

1000

Client ID: DAD-20 Batch ID: 66515 RunNo: 86908

20.0

1010

Analysis Date: 4/1/2022 Prep Date: 3/30/2022 SeqNo: 3070392 Units: mg/L

SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte

Total Dissolved Solids 10 2330 20.0 1.17

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 8 of 9

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203C96** 

14-Apr-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66565 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66565 RunNo: 86963

Prep Date: 4/1/2022 Analysis Date: 4/4/2022 SeqNo: 3072942 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66565 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66565 RunNo: 86963

Prep Date: 4/1/2022 Analysis Date: 4/4/2022 SeqNo: 3072943 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 9 of 9



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: EA Engineering Work Order Number: 2203C96 RcptNo: 1 Sulgot Received By: Sean Livingston 3/24/2022 9:10:00 AM Completed By: **Desiree Dominguez** 3/24/2022 10:30:27 AM 3-24-22 Reviewed By: Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? <u>FedEx</u> Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C No 🗸 Yes NA 🗌 Samples not frozen. 5. Sample(s) in proper container(s)? Yes 🗸 No 🔲 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 8. Was preservative added to bottles? Yes No 🗸 NA 🗌 Received at least 1 vial with headspace <1/4" for AQ VOA?</li> Yes No NA V 10. Were any sample containers received broken? Yes No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes V No 🗌 for pH: (Note discrepancies on chain of custody) (<2/or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Yes 🗸 No 🗆 14. Were all holding times able to be met? Checked by: CM 3/24/22 Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes 🗌 No 🗌 NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: Samples not frozen. SGL 3/24/2022 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By -1.9 Good

į	Chall	n-ot-C	Chain-ot-Custody Record	Turn-Around	nd Time:	for an			1								
Client:	<u>;</u>			Standard	□ Rush				I	HALL ENVIRONMENTAL	Z	IR	Z	M	FN		
EA E	EA Engineering,	ng, Scienc	EA Engineering, Science, and Technology	Project:					<b>4</b> >	ANALYSIS LABORATORY www.hallenvironmental.com	Environ	<b>S</b> Emerita		RA	0	RY	
Mal	ing Addie	.25.		Dona Ana Dairies (DAD'S)	iries (DAD'S)		7	901 H	- Avve	4901 Hawkins NE	4			9			
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emai	email or Fax#:		rmullen@eaest.com	Project Mana	lager:		0		_	3 -		ned n	16 16		_		200
QAVQ	QA/QC Package:	ë:			Gina Mullen		98 P										
St □	□ Standard		☐ Level 4 (Full Validation)			7	ооц				8						
Accre	Accreditation:		☐ Az Compliance ☐ Other_	Sampler: On Ice:	Angel Nieto Rivera	Rivera	∍M A9				)109 A						
	EDD (Type)	'[		olers:		2	 ∃ s∈				Eb\						
				Cooler Temp(including CF);	1	8-0-1=-1.9%	Jitrite				snuc	lfur					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	A203C46	√litrate.	.KN 2N	Ploride DS SM	alfate E	oydsoy,	uS leto			-		
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	If necessary	dio columno	invited to Unit Facility					7	1	<u>,</u>	) -						

submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 07, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Del Oro Dairy OrderNo.: 2203D86

#### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/25/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2203D86**Date Reported: **4/7/2022** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692- Lagoon

 Project:
 Del Oro Dairy
 Collection Date: 3/24/2022 3:31:00 PM

 Lab ID:
 2203D86-001
 Matrix: AQUEOUS
 Received Date: 3/25/2022 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	3200	250	*	mg/L	500	3/29/2022 1:06:29 PM	R86833
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/25/2022 6:03:01 PM	R86759
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/25/2022 6:03:01 PM	R86759
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	13600	2000	*D	mg/L	1	4/5/2022 8:59:00 AM	66556
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	1000	10	D	mg/L	1	4/5/2022 10:18:00 AM	66594
EPA METHOD 200.7: TOTAL METALS						Analyst	ELS
Sulfur	190	5.0		mg/L	1	3/30/2022 9:50:20 AM	66466

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2203D86

07-Apr-22

**Client:** EA Engineering **Project:** Del Oro Dairy

Sample ID: MB-66466 SampType: MBLK TestCode: EPA Method 200.7: Total Metals

Client ID: PBW Batch ID: 66466 RunNo: 86863

Prep Date: 3/29/2022 Analysis Date: 3/30/2022 SeqNo: 3068163 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Sulfur ND 1.0

Sample ID: LLLCS-S-66466 SampType: LCSLL TestCode: EPA Method 200.7: Total Metals

Client ID: **BatchQC** Batch ID: 66466 RunNo: 86863

Prep Date: Analysis Date: 3/30/2022 SeqNo: 3068169 Units: mg/L 3/29/2022

**RPDLimit** Result SPK value SPK Ref Val %REC %RPD Analyte **PQL** LowLimit HighLimit Qual 0

91.9

50

150

1.000 Sample ID: LCS-S-66466 SampType: LCS TestCode: EPA Method 200.7: Total Metals

Client ID: LCSW Batch ID: 66466 RunNo: 86863

1.0

ND

Analysis Date: 3/30/2022 Prep Date: 3/29/2022 SeqNo: 3068171 Units: mg/L

Analyte SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit

Sulfur 47 50.00 0 85 1.0 94.0 115

#### Qualifiers:

Sulfur

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

# Hall Environmental Analysis Laboratory, Inc.

4.7

0.50

5.000

WO#: **2203D86** 

07-Apr-22

Client:	EA Engineering
Project:	Del Oro Dairy

Project:	Del Oro Dairy								
Sample ID: MB	SampTyp	e: <b>mblk</b>	Tes	tCode: <b>EF</b>	PA Method	300.0: Anions	ì		
Client ID: PBW	Batch II	D: <b>R86759</b>	F	RunNo: 80	6759				
Prep Date:	Analysis Date	e: <b>3/25/2022</b>	\$	SeqNo: 30	063633	Units: mg/L			
Analyte	Result I	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N) Nitrogen, Nitrate (As N)	ND ND	0.10 0.10							
Sample ID: LCS	SampTyp	e: Ics	Tes	tCode: <b>EF</b>	PA Method	300.0: Anions	;		
Client ID: LCSW	Batch II	D: <b>R86759</b>	F	RunNo: 80	6759				
Prep Date:	Analysis Date	e: <b>3/25/2022</b>	5	SeqNo: 30	063634	Units: mg/L			
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	0.95	0.10 1.000	0	95.2	90	110			
Nitrogen, Nitrate (As N)	2.4	0.10 2.500	0	97.8	90	110			
Sample ID: MB	SampTyp	e: Mblk	Tes	tCode: <b>EF</b>	PA Method	300.0: Anions	}		
Client ID: PBW	Batch II	D: <b>R86833</b>	F	RunNo: 80	6833				
Prep Date:	Analysis Date	e: <b>3/29/2022</b>	S	SeqNo: 30	066895	Units: mg/L			
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50							
Sample ID: LCS	SampTyp	e: LCS	Tes	tCode: <b>EF</b>	PA Method	300.0: Anions	;		
Client ID: LCSW	Batch II	D: <b>R86833</b>	F	RunNo: 80	6833				
Prep Date:	Analysis Date	e: <b>3/29/2022</b>	S	SeqNo: 30	066896	Units: mg/L			
Analyte	Result I	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

0

93.2

90

110

#### Qualifiers:

Chloride

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203D86

07-Apr-22

**Client:** EA Engineering **Project:** Del Oro Dairy

**Total Dissolved Solids** 

Sample ID: MB-66556 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073515 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66556 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66556 RunNo: 86980

20.0

1000

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073516 Units: mg/L

1000

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Result PQL HighLimit Qual Analyte 0

101

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 4 of 5

## Hall Environmental Analysis Laboratory, Inc.

2203D86 WO#:

07-Apr-22

**Client:** EA Engineering **Project:** Del Oro Dairy

Nitrogen, Kjeldahl, Total

Sample ID: MB-66594 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66594 RunNo: 86995

Prep Date: 4/4/2022 Analysis Date: 4/5/2022 SeqNo: 3074006 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66594 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66594 RunNo: 86995

1.0

Analysis Date: 4/5/2022 Prep Date: 4/4/2022 SeqNo: 3074007 Units: mg/L

10.00

PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte HighLimit Qual 0

102

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com Client Name: **EA** Engineering Work Order Number: 2203D86

Sample Log	g-In Check List	

					RcptNo	: 1
Received By:	Cheyenne Cason	3/25/2022 11:00:0	00 AM	Chul		
Completed By:	Desiree Dominguez	3/25/2022 11:16:	35 AM	THE		
Reviewed By:	TMC	3/25/27	(			
Chain of Cust	ody					
1. Is Chain of Cu	stody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the s	ample delivered?		<u>FedEx</u>		Not Flesent _	
Log In						
	ot made to cool the sample	s?	Yes 🗸	No 🗌	NA 🗌	
4. Were all sample	es received at a temperatu	re of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗌	
5. Sample(s) in pr	roper container(s)?		Yes 🗸	No 🗌		
6. Sufficient samp	le volume for indicated tes	t(s)?	Yes 🗸	No 🗌		
	cept VOA and ONG) prop		Yes 🗸	No 🗆		
	e added to bottles?		Yes 🗸	No 🗌	NA 🗌	
9. Received at least	st 1 vial with headspace <	W!! for AQ VQAQ			HNO3	
	ole containers received bro		Yes U	No 🗌	NA 🗸	
		NOTE:	res —	No 🗸	# of preserved	
11. Does paperwork	match bottle labels?		Yes 🗸	No 🗌	bottles checked for pH:	2
	cies on chain of custody) rectly identified on Chain o	of Custody2	v			>12 unless noted)
	nalyses were requested?	or Custody?	Yes 🗸	No 🗌	Adjusted?	yes
14. Were all holding	times able to be met?		Yes 🗸	No 🗆	Checked by:	199 3/25/22
(If no, notify cust	tomer for authorization.)					
Special Handlin	g (if applicable)					
15. Was client notifi	ed of all discrepancies with	n this order?	Yes	No 🗌	NA 🗹	
Person No	otified:	Date:				
By Whom:		Via:	eMail P	hone Fax	☐ In Person	
Regarding	P		ADDRESS OF THE OWNER WITH			
Client Insti					511	
16. Additional rema	rks:			0.00	3/25/22	
For Sulfur	analysis poured off ~ 150r	nL. From provided unpre	eserved volume, th	Z. nen added ~ <del>0.5</del>	SMU SML HNO3 to sample 0	INTR for all
17. Cooler Informa	CUCCO A CHAN	L of HZ	2504 to	Sam	AA	
the second secon		Seal Intact   Seal No	State of the state		· ·	1A for
The second secon	.8 Good	Jean Intact Geal IVO	Seal Date	Signed By	0H <2	- MOG 3/25/2

Cleient Chain-of-Custody Record Cleient Cleien	•					20	IICO Time	1.	Received by:		Relinquished by:	17:00 Time:	Date:
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Container   Preservative   Container   Preservative   Container   Preservative   Container   Contain		-											
Time Matrix Sample Name  Time Name  Time Name					-		U						
Cooler Templication   Coolers   Co													
Cooler Templeaure Continue   Cooler Templeaure Continue   Cooler Templeaure Continue   Cooler Templeaure Continue   Cooler Templeaure   Cooler T									8 8		7		
# 505-715-4279 # 505-715-4279 # 505-715-4279   Time Matrix Sample Name   Type and # Type and Type a													
# 505-715-4279 # 505-715-4279 Project # 1505-715-4279 Itation:   Az Compliance   Other   Other													
## 505-715-4279 ## 505-715-4279   Container   Dairy   Project ## Foliation   Container   Dairy   Project Manager:   Time   Matrix   Sample   Name   Type   and # Type   Type   Tight   Signary   Sig													
## 505-715-4279   Time   Matrix   Sample   Name   Type and ## Type   Time   Matrix   Sample   Name   Type and ## Type and ## Type and ## Type and ## Type   Age													
Turn-Around Time:  Standard Rush  ANALYSIS  gineering, Science, and Technology  Address:  Address:  Time Matrix Sample Name  Time Matrix Sample Na													
## 505-715-4279  AC Other  Other  Other  Matrix  Sample Name  Time  Matrix  Sample Name  Time  Matrix  Sample Name  Type and #  Decimal Rush  Froject #  Project #  Project Manager:  Gina Mullen  Type and #  Type													
Chain-of-Custody Record   Turn-Around Time:   ANALYSIS	×		×	×	X	X	1001		ಬ	67 d - laggoon	Lagon	13.3	2,4
Az Compliance   Cooler Temp(motutang cft):   Agel Nieto Rivera   No   Project   Proj		per "	TDS SM	Chloride	TKN SM	Nitrate/N	2	Preserva Type	Container Type and #	Sample Name	Matrix	Time	Date
HALL ENVI  Science, and Technology  Project:  Www.hallenvironme  4901 Hawkins NE - Albuquerq  Fob-715-4279  Project #:  505-715-4279  Project Manager:  Gina Mullen  Gina Mullen  Sampler: Angel Nieto Rivera  On Ice: Pyes No  Gina Mullen  Sampler: Angel Nieto Rivera  On Ice: Pyes No  Analysis Re  Analysis Re  On Ice: Pyes No  Gina Mullen  Gina			2540	EPA	4500	itrites		P(including CF):	Cooler Tem				
Turn-Around Time:   HALL ENVI   Standard   Rush	PA		С	30	) N	Ε	200	-15	# of Cools			) (Type)	
I-of-Custody Record    Turn-Around Time:	A 6010		MOD	00	IORG	PA M	eto Rivera	Angel Ni	Sampler: On Ice:	mpliance	□ Az Co	litation: AC	Accreditati
HALL ENVI  Standard Rush  Project:  NW Suite  Project #:  Project Manager:    AMALYSIS   ANALYSIS	OB		)		С	ethod		2		☐ Level 4 (Full Validation)		ndard	□ Standard
n-of-Custody Record  Turn-Around Time:  ##ALL ENVI  ##ALL ENVI  ##ALL ENVI  ##ALL ENVI  ##ALL ENVI  ##ANALYSIS  ##ANALYSIS  ##ANALYSIS  ##ANALYSIS  ##ANALYSIS  ##ANALYSIS  ### ##ANALYSIS  ##################################						30	ıllen	Gina Mu				Package	QA/QC
hain-of-Custody Record  Turn-Around Time:  Standard Rush Project:  ANALYSIS  Namering, Science, and Technology Address:  Ave SW Suite  Froject #:  Project #:  HALL ENVI  ANALYSIS  ANALYSIS  ANALYSIS  For Do.: Pg  Tel. 505-345-3975  Fax 50:  Analysis Pa	olo ixeduest					00.		nager:	Project Mar	rmullen@eaest.com	÷	or Fax#:	email c
E, and Technology  Project:  Project #:  Turn-Around Time:  ANALYSIS  ANALYSIS  Www.hallenvironme  4901 Hawkins NE - Albuquerq  Tel: 505-345-3075  Tel: 505-345-3075  Tel: 505-345-3075  Tel: 505-345-3075  Tel: 505-345-3075  Tel: 505-345-3075	Sis Regulest	Δma								-4279	505-715	#	Phone #:
Turn-Around Time:    HALL ENVI   Standard   Rush   MALYSIS     Address:   Del Oro Daire   April Hawking NE Albumone	aqueique, NW 87109	ו וכ	245-	05-3	<u> </u>	_ ;		1			SW Suite	old Ave	320 Go
Turn-Around Time:    Standard   Rush   ANALYSIS   ANALYSIS   Common technology   Project:		2	المام	L 2 W C L	2	40	2	$\rightarrow$	(T)		Š.	g Addres	Mailing
Chain-of-Custody Record  Turn-Around Time:  HALL ENVI	STS LABORA	w hallonvi				<b>E</b>			Project:	, and Technology	g, Science	gineerin	EA En
Chain-of-Custody Record Turn-Around Time:	NVIRONMEN	F	3 2				 Rush		Standa				Client:
			l L					nd Time:	Turn-Arour	ustody Record	1-of-Cu	Chair	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 19, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Bright Star Dairy OrderNo.: 2203E20

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### Lab Order 2203E20

Date Reported: 4/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: LRG-00953

**Project:** Bright Star Dairy
 Collection Date: 3/25/2022 1:35:00 PM

 **Lab ID:** 2203E20-001
 Matrix: GROUNDWA
 Received Date: 3/26/2022 11:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	930	50	*	mg/L	100	4/1/2022 12:31:14 PM	R86950
Nitrate+Nitrite as N	15	1.0	*	mg/L	5	4/2/2022 1:49:40 AM	A86950
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	2720	20.0	*	mg/L	1	4/5/2022 10:41:00 AM	66573
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	4/6/2022 10:30:00 AM	66630

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

# Hall Environmental Analysis Laboratory, Inc.

Result

4.9

PQL

0.50

5.000

WO#: **2203E20** 

19-Apr-22

Client: Project:	EA Engineering Alb Bright Star Dairy
Sample ID: MB	SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBW	Batch ID: <b>A86950</b> RunNo: <b>86950</b>
Prep Date:	Analysis Date: 4/1/2022 SeqNo: 3072411 Units: mg/L
Analyte Nitrate+Nitrite as N	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual ND 0.20
Sample ID: LCS	SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCSW	Batch ID: <b>A86950</b> RunNo: <b>86950</b>
Prep Date:	Analysis Date: 4/1/2022 SeqNo: 3072412 Units: mg/L
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Nitrate+Nitrite as N	3.6 0.20 3.500 0 102 90 110
Sample ID: MB	SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBW	Batch ID: <b>R86950</b> RunNo: <b>86950</b>
Prep Date:	Analysis Date: 4/1/2022 SeqNo: 3072449 Units: mg/L
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 0.50
Sample ID: LCS	SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCSW	Batch ID: <b>R86950</b> RunNo: <b>86950</b>
Prep Date:	Analysis Date: 4/1/2022 SeqNo: 3072450 Units: mg/L

SPK value SPK Ref Val %REC LowLimit

97.1

0

HighLimit

110

90

%RPD

**RPDLimit** 

Qual

#### Qualifiers:

Analyte

Chloride

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2203E20

19-Apr-22

**Client:** EA Engineering Alb **Project: Bright Star Dairy** 

Sample ID: MB-66573 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66573 RunNo: 86992

Prep Date: 4/1/2022 Analysis Date: 4/5/2022 SeqNo: 3073880 Units: mg/L

PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result

**Total Dissolved Solids** ND 20.0

**Total Dissolved Solids** 

Sample ID: LCS-66573 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66573 RunNo: 86992

Prep Date: 4/1/2022 Analysis Date: 4/5/2022 SeqNo: 3073881 Units: mg/L

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual 0

102

120

Sample ID: 2203E20-001ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

1000

Client ID: LRG-00953 Batch ID: 66573 RunNo: 86992

20.0

1020

Prep Date: 4/1/2022 Analysis Date: 4/5/2022 SeqNo: 3073883 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

**Total Dissolved Solids** 2710 20.0 0.258 10

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E20** 

19-Apr-22

Client: EA Engineering Alb
Project: Bright Star Dairy

Sample ID: MB-66630 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075974 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66630 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075975 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: **EA** Engineering Work Order Number: 2203E20 RcptNo: 1 Received By: Desiree Dominguez 3/26/2022 11:20:00 AM Completed By: Desiree Dominguez 3/26/2022 12:22:25 PM Reviewed By: 834- 3/28/22 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? **FedEx** Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes V NA 🗌 Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 🗌 8. Was preservative added to bottles? Yes No V NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA V 10. Were any sample containers received broken? Yes No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🔲 for pH: (Note discrepancies on chain of custody) >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 Adjusted? No 🗌 13. Is it clear what analyses were requested? Yes 🗸 No 14. Were all holding times able to be met? Checked by: CM 3/28/22 Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No \_ NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Temp °C Condition Seal Intact Seal No Seal Date Signed By 1.8 Good

20	HALL ENVIRONMENTAL	ANALYSIS LABORATORY	onmental.com		Analysis Reminest		9	01.00 /			hospho									
	HALLEN	ANALYS	www.naiienVironmentai.com	Tol 606 346 3076   F.	202-242-287			OKG (	300 N	45( PSC PSC	Vitrate/V TKN SM Chloride TDS SM Sulfate E	; · × · ×						*	Remarks:	
Turn-Around Time:	Standard 🗆 Rush		Bright Star Dain			Project Manager:	Gina Mullen	Sampler: Angel Nieto Rivera	olers: \	Cooler Temp(including CF): 1,9 -0,0=1,8%	Container Type and # Type	100-							Received by: Via: Date Time R $F_{R}/E_{R} = 3/24/72 /   \cdot  $	ļĒ
Chain-of-Custody Record		g, Science, and Technology	:SS:	SW Suite	505-715-4279	rmullen@eaest.com	Level 4 (Full Validation	☐ Az Compliance			Matrix Sample Name	Gw LRG-00953						Delinariiched hv.	Seminaria of	Refinquished by:
Chair	Client:	EA Engineering,	Mailing Address:	320 Gold Ave SW Suite	Phone #:	email or Fax#:	QA/QC Package: □ Standard	Accreditation:	□ EDD (Type)		Date Time	3-25 13:35		i i	1			Date: Time:	4	Date: Time:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 19, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Buena Vista Dairy II OrderNo.: 2203E21

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### Lab Order 2203E21

Date Reported: 4/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: LRG-01876

Project: Buena Vista Dairy II

Lab ID: 2203E21-001

Matrix: GROUNDWA

Collection Date: 3/25/2022 2:30:00 PM

Received Date: 3/26/2022 11:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	380	50	*	mg/L	100	4/1/2022 1:20:53 PM	R86950
Nitrate+Nitrite as N	2.4	1.0		mg/L	5	4/2/2022 2:02:04 AM	A86950
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	1470	20.0	*	mg/L	1	4/5/2022 10:41:00 AM	66573
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/6/2022 10:30:00 AM	66630

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

**Client:** 

Sample ID: LCS

Prep Date:

Analyte

Chloride

Client ID: LCSW

## Hall Environmental Analysis Laboratory, Inc.

SampType: Ics

Batch ID: R86950

PQL

0.50

SPK value SPK Ref Val

0

5.000

Analysis Date: 4/1/2022

Result

4.9

EA Engineering Alb

WO#: **2203E21** 

19-Apr-22

Project:	Buena Vista Dairy II			
Sample ID: MB	SampType: <b>mblk</b>	TestCode: EPA Method	300.0: Anions	
Client ID: PBW	Batch ID: A86950	RunNo: 86950		
Prep Date:	Analysis Date: 4/1/2022	SeqNo: 3072411	Units: mg/L	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Nitrate+Nitrite as N	ND 0.20			
Sample ID: LCS	SampType: <b>Ics</b>	TestCode: EPA Method	300.0: Anions	
Client ID: LCSW	Batch ID: <b>A86950</b>	RunNo: <b>86950</b>		
Prep Date:	Analysis Date: 4/1/2022	SeqNo: <b>3072412</b>	Units: mg/L	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Nitrate+Nitrite as N	3.6 0.20 3.500	0 102 90	110	
Sample ID: MB	SampType: <b>mblk</b>	TestCode: EPA Method	300.0: Anions	
Client ID: PBW	Batch ID: R86950	RunNo: <b>86950</b>		
Prep Date:	Analysis Date: 4/1/2022	SeqNo: <b>3072449</b>	Units: mg/L	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 0.50			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

TestCode: EPA Method 300.0: Anions

LowLimit

90

Units: mg/L

HighLimit

110

%RPD

**RPDLimit** 

Qual

RunNo: 86950

%REC

97.1

SeqNo: 3072450

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203E21

19-Apr-22

Client: EA Engineering Alb
Project: Buena Vista Dairy II

Sample ID: MB-66573 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66573 RunNo: 86992

Prep Date: 4/1/2022 Analysis Date: 4/5/2022 SeqNo: 3073880 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66573 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66573 RunNo: 86992

Prep Date: 4/1/2022 Analysis Date: 4/5/2022 SeqNo: 3073881 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E21** 

19-Apr-22

Client: EA Engineering Alb
Project: Buena Vista Dairy II

Sample ID: MB-66630 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075974 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66630 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075975 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

Sample ID: 2203E21-001AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: LRG-01876 Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075985 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 10 1.0 10.00 0.5600 96.6 75 125

Sample ID: 2203E21-001AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: LRG-01876 Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075986 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 10 1.0 10.00 0.5600 98.0 75 125 1.36 20

### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: EA Engineering	Work Order Numb	per: 2203E21		RcptNo: 1
Received By: Desiree Dominguez	3/26/2022 11:20:00	АМ	TP	
Completed By: Desiree Dominguez	3/26/2022 12:25:53	РМ	TA	
Reviewed By: 520 3/28/22			113	
Chain of Custody				
<ol> <li>Is Chain of Custody complete?</li> </ol>		Yes 🗸	No 🗌	Not Present
2. How was the sample delivered?		FedEx		
<u>Log In</u>				
3. Was an attempt made to cool the samples?		Yes 🗸	No 🗌	NA 🗆
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗌
5. Sample(s) in proper container(s)?		Yes 🗸	No 🗌	
6. Sufficient sample volume for indicated test(s	)?	Yes 🗸	No 🗌	
<ol><li>Are samples (except VOA and ONG) properl</li></ol>	y preserved?	Yes 🗸	No 🗌	
8. Was preservative added to bottles?		Yes	No 🗸	NA 🗌
9. Received at least 1 vial with headspace <1/4	" for AQ VOA?	Yes	No 🗌	NA 🗹
10. Were any sample containers received broke	n?	Yes	No 🗸	
11 December 11 Dec				# of preserved bottles checked _
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗸	No 🗌	for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of (	Custody?	Yes 🗸	No 🗌	Adjusted? NO
13. Is it clear what analyses were requested?		Yes 🗸	No 🗌	
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗸	No 🗌	Checked by: CMC 3/28/14
Special Handling (if applicable)				
15. Was client notified of all discrepancies with the	his order?	Yes	No 🗌	NA 🗹
Person Notified:	Date:	CONTRACTOR CONTRACTOR		
By Whom:	Via:	eMail P	none Fax	In Person
Regarding:			water and the same of the same	
Client Instructions:		Later Control of the state of the state of	unionina parametra ann	The state of the s
16. Additional remarks:				
17. <u>Cooler Information</u>				
	al Intact Seal No	Seal Date	Signed By	
I 1.8 Good				

		ANALYSIS LABORATORY		nbnaiv -	1-39/5 Fax 505-345-4107 Analysis Pourset			8		00	.ε Α <sub>1</sub> ∃ ει	lfate EF osphoru tal Sulfu	4d ns									ed data will be clearly notated on the analytical report.
			4901 Hawkins NE	TO 505 245	1 el. 303-343-3975		900 p		) PRG (	300 NC	009 ∀d:	trate/Vit XN SM 4 B ebirolr S SM 2	т > 10 >						Remarks:			sibility. Any sub-contract
_	Standard   Rush		Burn Vista Dain I			Project Manager:	Gina Mullen		r: Angel Nieto F	# of Coolers. \(\circ\)	Cooler Temp(including CF): 1,8 / 0 : 0 = 1.9 %	Preservative HEAL	1 ype alid # 1 ype						Via: Date Time	523 Fed Ex 3/26/22 11:20	Received by: Via: Date Time	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
עוומווו-טו-עובסיסא ויסססים		g, Science, and Technology	S:	SW Suite	505-715-4279	rmullen@eaest.com			☐ Az Compliance ☐ Other			Matrix Sample Name	LR6-01876						Relinquished by:	Bullen	Relinquished by:	samples submitted to Hall Environmental may be subcon
) tool		EA Engineering,	Mailing Address:	320 Gold Ave SW Suite	Phone #:	email or Fax#:	QA/QC Package:		Accreditation:	□ EDD (Type)		Date Time							Time:	00:41	Date: Time:	If necessary, s



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 08, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Del Oro Dairy OrderNo.: 2203E22

## Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

# Lab Order **2203E22**Date Reported: **4/8/2022**

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: LRG-5820

 Project:
 Del Oro Dairy
 Collection Date: 3/25/2022 3:00:00 PM

 Lab ID:
 2203E22-001
 Matrix: GROUNDWA
 Received Date: 3/26/2022 11:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	380	50	*	mg/L	100	3/29/2022 10:09:32 PM	R86841
Nitrate+Nitrite as N	ND	1.0		mg/L	5	3/29/2022 10:22:24 PM	R86841
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	1280	40.0	*D	mg/L	1	4/5/2022 8:59:00 AM	66556
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/6/2022 10:30:00 AM	66630

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E22** 

08-Apr-22

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: LCS-D

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: R86841 RunNo: 86841

Prep Date: Analysis Date: 3/29/2022 SeqNo: 3067711 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Chloride
 ND
 0.50

 Nitrate+Nitrite as N
 ND
 0.20

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R86841 RunNo: 86841

Prep Date: Analysis Date: 3/29/2022 SeqNo: 3067712 Units: mg/L

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result **PQL** LowLimit HighLimit Qual 4.7 0.50 5.000 90 Chloride 0 94.2 110

Nitrate+Nitrite as N 3.5 0.20 3.500 0 100 90 110

Client ID: LCSW Batch ID: R86841 RunNo: 86841

SampType: Ics

Prep Date: Analysis Date: 3/29/2022 SeqNo: 3067721 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

TestCode: EPA Method 300.0: Anions

4.8 0.50 95.3 90 110 Chloride 5.000 n Nitrate+Nitrite as N 3.6 0.20 3.500 0 102 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

# Hall Environmental Analysis Laboratory, Inc.

WO#: 2203E22

08-Apr-22

**Client:** EA Engineering **Project:** Del Oro Dairy

**Total Dissolved Solids** 

Sample ID: MB-66556 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073515 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66556 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66556 RunNo: 86980

20.0

1000

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073516 Units: mg/L

1000

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Result PQL HighLimit Qual Analyte 0

101

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 3 of 4

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E22** 

08-Apr-22

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-66630 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075974 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66630 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075975 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

# Sample Log-In Check List

Website: clients.hallenvironmental.com Client Name: **EA** Engineering Work Order Number: 2203E22 RcptNo: 1 Received By: Desiree Dominguez 3/26/2022 11:20:00 AM Completed By: Desiree Dominguez 3/26/2022 12:28:44 PM Reviewed By: 82 3/28/22 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? FedEx Log In 3. Was an attempt made to cool the samples? Yes 🗸 No NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🔲 Yes 🗸 NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 8. Was preservative added to bottles? Yes No 🗸 NA 🗍 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA V 10. Were any sample containers received broken? Yes 🗆 No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 Adjusted? no 13. Is it clear what analyses were requested? Yes 🗸 No Checked by: CMC 3/28/22 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes \_ No 🗍 NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 1.8 Good

	ENV	ALYSIS LABORATORY	<u>=</u>	₹ .	75 Fax 505-345-4107	Alalysis Request		{	∃010			sn.	ospho ofgeor	14			A (6)								a will be clearly notated on the analytical report.
		ANAL	NWW.D	4901 nawkins N	lel. 505-345-3975	0	300.		3e c	00 100 100	1 00 E 4	524 Eb\ 420	MS MX MS MX Moride MS SC MS SIL	т > с т	_								Remarks:		sibility. Any sub-contracted dat
	☑ Standard □ Rush	iai	Del Or Dain	Project #:		Project Manager:	Gina Mullen		Sampler: And M. Riven	On Ice: 🛛 Yes 🗆 No	# of Coolers: \	Cooler Temp(including cF): 1, 8 - 0.0 = 1,8 ° c	Container Preservative ADOSECO										Received by: Via: Date Time Re $f \approx \int E_X 3/26/2\pi$ (17.20)	Received by: Via: Date Time	ontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
עוומווין בו במסומה ביותומוות		EA Engineering, Science, and Technology	Mailing Address:	320 Gold Ave SW Suite	e#: 505-715-4279	email or Fax#: rmullen@eaest.com	age:	ndard   Level 4 (Full Validation)	ou:		(addi)		Time Matrix Sample Name	15:00 Gw LRG-5820	-							Time: Relinanished hus	o Cal up	Time: Relinquished by:	If necessary, samples submitted to Hall Environmental may be subcontracted to other
	Client:	EA EI	Mailir	320 G	Phone #:	email	QA/QC	☐ Standard	Accreditati		]		Date	328								Date:	3-25	Date:	



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 11, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX

RE: Dominguez Dairy I OrderNo.: 2203E23

## Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

## Lab Order 2203E23

Date Reported: 4/11/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: LRG-00591-S

 Project:
 Dominguez Dairy I
 Collection Date: 3/25/2022 1:50:00 PM

 Lab ID:
 2203E23-001
 Matrix: GROUNDWA
 Received Date: 3/26/2022 11:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	1200	50	*	mg/L	100	4/1/2022 1:45:42 PM	R86950
Nitrate+Nitrite as N	30	1.0	*	mg/L	5	4/2/2022 2:14:29 AM	A86950
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	3370	40.0	*D	mg/L	1	4/5/2022 8:59:00 AM	66556
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	4/6/2022 10:30:00 AM	66630

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

## Lab Order 2203E23

Date Reported: 4/11/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: LRG-00591-S-2

Project: Dominguez Dairy I Collection Date: 3/25/2022 2:00:00 PM

Lab ID: 2203E23-002 Matrix: GROUNDWA Received Date: 3/26/2022 11:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	960	50	*	mg/L	100	4/1/2022 2:10:32 PM	R86950
Nitrate+Nitrite as N	19	1.0	*	mg/L	5	4/2/2022 2:26:54 AM	A86950
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2760	20.0	*	mg/L	1	4/5/2022 8:59:00 AM	66556
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	4/6/2022 10:30:00 AM	66630

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 5

# Hall Environmental Analysis Laboratory, Inc.

Result

4.9

PQL

0.50

5.000

WO#: **2203E23** 

11-Apr-22

Client: Project:	EA Engineering Alb Dominguez Dairy I		
Sample ID: MB	SampType: <b>mblk</b>	TestCode: EPA Method 30	00.0: Anions
Client ID: PBW	Batch ID: A86950	RunNo: <b>86950</b>	
Prep Date:	Analysis Date: 4/1/2022	SeqNo: <b>3072411</b> U	Jnits: mg/L
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Nitrate+Nitrite as N	ND 0.20		
Sample ID: LCS	SampType: <b>Ics</b>	TestCode: EPA Method 30	00.0: Anions
Client ID: LCSW	Batch ID: <b>A86950</b>	RunNo: <b>86950</b>	
Prep Date:	Analysis Date: 4/1/2022	SeqNo: <b>3072412</b> U	Jnits: mg/L
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Nitrate+Nitrite as N	3.6 0.20 3.500	0 102 90	110
Sample ID: MB	SampType: <b>mblk</b>	TestCode: EPA Method 30	00.0: Anions
Client ID: PBW	Batch ID: R86950	RunNo: <b>86950</b>	
Prep Date:	Analysis Date: 4/1/2022	SeqNo: <b>3072449</b> U	Jnits: mg/L
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Chloride	ND 0.50		
Sample ID: LCS	SampType: <b>Ics</b>	TestCode: EPA Method 30	00.0: Anions
Client ID: LCSW	Batch ID: <b>R86950</b>	RunNo: <b>86950</b>	
Prep Date:	Analysis Date: 4/1/2022	SeqNo: <b>3072450</b> U	Jnits: mg/L

SPK value SPK Ref Val %REC LowLimit

97.1

0

HighLimit

110

90

%RPD

**RPDLimit** 

Qual

### Qualifiers:

Analyte

Chloride

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
  - E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E23** 

11-Apr-22

Client: EA Engineering Alb
Project: Dominguez Dairy I

Sample ID: MB-66556 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073515 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66556 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073516 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1000 20.0 1000 0 100 80 120

Sample ID: 2203E23-002ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LRG-00591-S-2 Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073534 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 2740 20.0 0.437 10 \*

### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E23** 

11-Apr-22

Client: EA Engineering Alb
Project: Dominguez Dairy I

Sample ID: MB-66630 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075974 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66630 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075975 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

# Sample Log-In Check List

Website: clients.hallenvironmental.com Client Name: **EA** Engineering Work Order Number: 2203E23 RcptNo: 1 Received By: **Desiree Dominguez** 3/26/2022 11:20:00 AM Completed By: **Desiree Dominguez** 3/26/2022 12:30:59 PM Reviewed By: 3/28/22 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? FedEx Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🔲 Yes 🗸 NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No [ 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 8. Was preservative added to bottles? No V Yes NA 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA 🗸 10. Were any sample containers received broken? Yes No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? W Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 14. Were all holding times able to be met? Checked by: (MC 3/28/11 Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 1.8 Good

ENVIRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	Albuquerque, NIM 87109	Fax 505-345-4107	Analysis Request			8	0106	09 V	/d∃		otal Sul	$\overline{}$										
HAL	ANAL	www.hall	4901 DAWKIIIS INE	Tel. 505-345-3975	A		300		36.0	10F	0 C / 30 0 V	52¢ Eb≽ 420	Vitrate/N TKN SM TDS SM Sulfate E	× ×	† ·							Remarks:		
300	□ Kusn	- S	720				Gina Mullen		Angel Nieto Rivera	es 🗆 No		19 CF): 1,8 - 6,0 = 1,8%	Preservative HEAL No.	•	200'							Date Time	Š	
Chandard	Project Name:		1	,		Project Manager:	Ginž		Sampler: Ang		# of Coolers:	Cooler Temp(including CF):	Container Prese Type		D	20						Received by: Via:	Received by: Via:	
and a second	-	EA Engineering, Science, and Technology Mailing Address:			4279	rmullen@eaest.com		☐ Level 4 (Full Validation)	mpliance				Sample Name	LRA-00591-3	LRE 00591-5-3			V.						
		ring, Science, ress:	atin S MS a	e ovv oulle	505-715-4279	.#	ige:			□ Other_	(e)		Matrix	20 60	-		ji W					Relinquish	Relinquished by:	
Client:	L	EA Engineering, Mailing Address:	320 Gold Ave SW Suite	A DIOD 020	Phone #:	email or Fax#:	QA/QC Package:	□ Standard	Accreditation:	□ NELAC	☐ EDD (Type)		Date Time	3-25 13:50	3-25 14:00					1.70		Date: Time:	+	



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 01, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Big Sky Dairy OrderNo.: 2203E24

## Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/26/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 11, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

## Lab Order 2203E24

Date Reported: 6/1/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: LRG-4116

 Project:
 Big Sky Dairy
 Collection Date: 3/25/2022 1:00:00 PM

 Lab ID:
 2203E24-002
 Matrix: GROUNDWA
 Received Date: 3/26/2022 11:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: CAS
Chloride	420	50	*	mg/L	100	4/1/2022 3:00:10 PM	R86950
Nitrate+Nitrite as N	ND	1.0		mg/L	5	4/2/2022 2:51:43 AM	A86950
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	:: KS
Total Dissolved Solids	1530	20.0	*	mg/L	1	4/5/2022 8:59:00 AM	66556
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/6/2022 1:44:00 PM	66664

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

# Hall Environmental Analysis Laboratory, Inc.

4.9

0.50

5.000

WO#: **2203E24** 

01-Jun-22

Client: Project:		EA Engineerin Big Sky Dairy	g									
Sample ID: N	MB	Sa	mpType:	mblk		Tes	tCode: El	PA Method	300.0: Anions			
Client ID: F	PBW	I	Batch ID:	A8695	0	F	RunNo: 80	6950				
Prep Date:		Analy	sis Date:	4/1/20	022	5	SeqNo: 30	072411	Units: mg/L			
Analyte		Res	ult PC	QL SF	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as	s N	N	D 0.	.20								
Sample ID: L	LCS	Sa	mpType:	lcs		Tes	tCode: El	PA Method	300.0: Anions			
Client ID:	LCSW	I	Batch ID:	A8695	0	F	RunNo: 80	6950				
Prep Date:		Analy	sis Date:	4/1/20	022	S	SeqNo: 30	072412	Units: mg/L			
Analyte		Res	ult PC	QL SF	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as	s N	3	.6 0.	.20	3.500	0	102	90	110			
Sample ID: N	МВ	Sa	ampType:	mblk		Tes	tCode: El	PA Method	300.0: Anions			·
Client ID: F	PBW	I	Batch ID:	R8695	60	F	RunNo: 80	6950				ļ
Prep Date:		Analy	sis Date:	4/1/20	022	S	SeqNo: 30	072449	Units: mg/L			
Analyte		Res	ult PC	QL SF	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		N	D 0.	.50								
Sample ID: L	LCS	Sa	ampType:	lcs		Tes	tCode: El	PA Method	300.0: Anions			
Client ID:	LCSW	1	Batch ID:	R8695	60	F	RunNo: 80	6950				
Prep Date:		Analy	sis Date:	4/1/20	022	5	SeqNo: 30	072450	Units: mg/L			
Analyte		Res	ult PC	QL SI	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

0

97.1

90

110

### Qualifiers:

Chloride

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E24** 

01-Jun-22

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-66556 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073515 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66556 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073516 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1000 20.0 1000 0 101 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E24** 

01-Jun-22

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-66664 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66664 RunNo: 87043

Prep Date: 4/6/2022 Analysis Date: 4/6/2022 SeqNo: 3075994 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66664 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66664 RunNo: 87043

Prep Date: 4/6/2022 Analysis Date: 4/6/2022 SeqNo: 3075995 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.8 1.0 10.00 0 98.0 80 120

Sample ID: 2203E24-002AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: LRG-4116 Batch ID: 66664 RunNo: 87043

Prep Date: 4/6/2022 Analysis Date: 4/6/2022 SeqNo: 3075998 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 10 1.0 10.00 0 101 75 125

Sample ID: 2203E24-002AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: LRG-4116 Batch ID: 66664 RunNo: 87043

Prep Date: 4/6/2022 Analysis Date: 4/6/2022 SeqNo: 3075999 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 10 1.0 10.00 0 102 75 125 1.38 20

## Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 EAV: 505-345, 1007

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name:	EA Engineering	Work Order Numb	per: <b>2203E24</b>		RcptNo:	1
Received By:	Desiree Dominguez	3/26/2022 11:20:00	AM	TP		
Completed By:	Desiree Dominguez	3/26/2022 12:34:01	PM	1		
Reviewed By:	Sze 3/28/22			113		
Chain of Custo	<u>ody</u>					
1. Is Chain of Cus	stody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sa	ample delivered?		<u>FedEx</u>			
<u>Log In</u> 3. Was an attemp	ot made to cool the samples?		Yes 🗸	No 🗆	NA 🗌	
4. Were all sample	es received at a temperature	of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗌	
5. Sample(s) in pr	roper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample	le volume for indicated test(s)	?	Yes 🗸	No 🗌		
7. Are samples (ex	xcept VOA and ONG) properly	preserved?	Yes 🗸	No 🗌		
8. Was preservativ	ve added to bottles?		Yes	No 🗸	NA $\square$	
9. Received at leas	st 1 vial with headspace <1/4	for AQ VOA?	Yes	No 🗌	NA 🗸	
10. Were any samp	ole containers received broker	1?	Yes	No 🗸		
	c match bottle labels?		Yes 🗸	No 🗌	# of preserved bottles checked for pH:	12 unless noted)
12. Are matrices con	rrectly identified on Chain of C	Custody?	Yes 🗸	No 🗌	Adjusted? NO	
	analyses were requested?		Yes 🗸	No 🗌	-	
14. Were all holding (If no, notify cust	times able to be met? tomer for authorization.)		Yes 🗸	No 🗌	Checked by:	nc 3/28/22
Special Handlin	ng (if applicable)					
15. Was client notif	fied of all discrepancies with the	nis order?	Yes	No 🗌	NA 🗸	
Person No	otified:	Date:		COMMITTE DESCRIPTION OF THE PARTY OF THE PAR		
By Whom	1:	Via:	eMail	Phone Fax	In Person	
Regarding	g:			A STATE OF THE STA	AND ALCOHOLOGICAL STREET, STRE	
Client Inst	tructions:	Participation of the second section of the section of the second section of the section of			WILL WOUTH THE TAX TO A CANADA STATE OF	
16. Additional rema	arks:					
17. Cooler Informa	ation					
Cooler No	Temp °C Condition Se	al Intact Seal No	Seal Date	Signed By		
1	1.8 Good					

Tel. 506-345-3107	Chain-Client: EA Engineering, Mailing Address:	9, Science	Chain-of-Custody Record t: ngineering, Science, and Technology	Turn-Around Time:  Standard  Project:  84 Sty Du	Time: □ Rush  \[ \mathcal{Pair}{\mathcal{Pair}} \]		94	2 1 1	ANA www.h	ALL MAL ww.hall	HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109	ENVIRONME YSIS LABORA environmental.com Albuquerque, NM 87109	RONMENTAL LABORATORY ental.com	M	N N	'AL	
The latter of	ald Ave	SW Suite 505-715	-4279	Project #:	`		F	el. 50	5-345	3975 A	Fax nalysis	505-3 Requ	45-41(	27			
Container   Cont	r Fax#:	1 1	rmullen@eaest.com	Project Mana	ger:		300				-		-				_
Continue   Sampler   Angel Nieto Rivera   Other	Package dard	4:	□ Level 4 (Full Validation)		Gina Mullen		ethod 3	) t			08						
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Matrix Sample Name Type and # Type  Container Typ	(Type)			# of Coolers:	1		sə	009						r			
Matrix   Sample Name   Type and # Type   プランスを記す   対				Cooler Temp	155000	10.0-	Nitrif	94 N			orus						
名心	Time				Preservative Type	and the second second	Nitrate/I	TKN SI			Phosph		1				
Gw   LPG - 4116   2	10:25	$\overline{}$	LRG-4001-POD4	8		100-	X	×				-					
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	Time:		ed by:	Received by:	Via:												

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 01, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Mountain View Dairy LLC OrderNo.: 2203E26

## Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/26/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 08, 2022...

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

## Lab Order 2203E26

Date Reported: 6/1/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: LRG-457 (Pivot)

**Project:** Mountain View Dairy LLC **Collection Date:** 3/25/2022 10:00:00 AM

**Lab ID:** 2203E26-002 **Matrix:** GROUNDWA **Received Date:** 3/26/2022 11:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	1100	50	*	mg/L	100	3/29/2022 8:52:19 PM	R86841
Nitrate+Nitrite as N	7.0	1.0		mg/L	5	3/29/2022 10:48:09 PM	R86841
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3030	20.0	*H	mg/L	1	4/13/2022 4:27:00 PM	66756
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/6/2022 10:30:00 AM	66630

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

### Lab Order 2203E26

Date Reported: 6/1/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb

Project: Mountain View Dairy LLC

Lab ID: 2203E26-003

Matrix: GROUNDWA

Client Sample ID: LRG-00952 (Dairy Parlor)

Collection Date: 3/25/2022 1:20:00 PM

Received Date: 3/26/2022 11:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: CAS
Chloride	740	50	*	mg/L	100	3/29/2022 9:18:03 PM	R86841
Nitrate+Nitrite as N	4.2	1.0		mg/L	5	3/29/2022 11:01:01 PM	R86841
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2370	20.0	*	mg/L	1	4/5/2022 8:59:00 AM	66556
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/6/2022 10:30:00 AM	66630

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 5

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203E26

01-Jun-22

**Client:** EA Engineering Alb **Project:** Mountain View Dairy LLC

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: R86841 RunNo: 86841

Prep Date: Analysis Date: 3/29/2022 SeqNo: 3067711 Units: mg/L

Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Result Qual

Chloride ND 0.500 Nitrate+Nitrite as N ND 0.200

Sample ID: LCS-D

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R86841 RunNo: 86841

Prep Date: Analysis Date: 3/29/2022 SeqNo: 3067712 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 4.71 0 94.2 90

TestCode: EPA Method 300.0: Anions

Chloride 0.500 5.000 Nitrate+Nitrite as N 3.51 0.200 3.500 0 100 90 110

SampType: Ics Client ID: LCSW Batch ID: R86841 RunNo: 86841

Prep Date: Analysis Date: 3/29/2022 SeqNo: 3067721 Units: mg/L

SPK value SPK Ref Val %RPD **RPDLimit** %REC HighLimit Qual Analyte Result PQL LowLimit Chloride 4.76 0.500 5.000 0 95.3 90 110 Nitrate+Nitrite as N 0 102 3.56 0.200 3.500 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203E26

01-Jun-22

**Client:** EA Engineering Alb **Project:** Mountain View Dairy LLC

Sample ID: MB-66556 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

PBW Client ID: Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073515 Units: mg/L

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result **PQL** LowLimit Qual

**Total Dissolved Solids** ND 20.0

Total Dissolved Solids

Sample ID: LCS-66556 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073516 Units: mg/L

%REC %RPD **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val LowLimit HighLimit Qual

101

80

120

1000 Sample ID: MB-66756 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66756 RunNo: 87215

20.0

1000

Prep Date: Analysis Date: 4/13/2022 SeqNo: 3083829 Units: mg/L 4/12/2022

Result **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte LowLimit

Total Dissolved Solids ND 20.0

Sample ID: LCS-66756 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66756 RunNo: 87215

Prep Date: Analysis Date: 4/13/2022 SeqNo: 3083830 Units: mg/L 4/12/2022

**PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit

**Total Dissolved Solids** 996 20.0 1000 n 99.6 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E26** 

01-Jun-22

Client: EA Engineering Alb

Project: Mountain View Dairy LLC

Sample ID: MB-66630 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075974 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66630 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66630 RunNo: 87042

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3075975 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: EA Engineering	Work Order Number: 2203E26		RcptNo: 1
Received By: Desiree Dominguez	3/26/2022 11:20:00 AM	D	
Completed By: Desiree Dominguez	3/26/2022 12:39:47 PM	17	
Reviewed By: SZC 3/28/22		17-3	
Chain of Custody			
1. Is Chain of Custody complete?	Yes 🗸	No 🗌	Not Present
2. How was the sample delivered?	<u>FedEx</u>		
Log In			
3. Was an attempt made to cool the samples?	Yes 🗸	No 🗌	NA 🗌
4. Were all samples received at a temperature of	>0° C to 6.0°C Yes <b>V</b>	No 🗆	NA 🗌
5. Sample(s) in proper container(s)?	Yes 🗸	No 🗌	
6. Sufficient sample volume for indicated test(s)?	Yes 🗸	No 🗌	
$7_{\cdot}$ Are samples (except VOA and ONG) properly $_{ m I}$	preserved? Yes	No 🗌	
8. Was preservative added to bottles?	Yes	No 🗸	NA 🗆
9. Received at least 1 vial with headspace <1/4" f	or AQ VOA? Yes	No 🗌	NA 🔽
0. Were any sample containers received broken?	Yes 🗆	No 🗸	
Does paperwork match bottle labels?  (Note discrepancies on chain of custody)	Yes 🗹	No 🗌	# of preserved bottles checked for pH:  (<2 or >12 unless noted)
2. Are matrices correctly identified on Chain of Cu	stody? Yes	No 🗌	Adjusted? 110
3. Is it clear what analyses were requested?	Yes 🗸	No 🗌	
4. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗸	No 🗌	Checked by: CMC 3/28/28
pecial Handling (if applicable)			
5. Was client notified of all discrepancies with this	s order? Yes	No 🗌	NA 🗹
Person Notified:	Date:		
By Whom:	Via: eMail	Phone Fax	In Person
Regarding:	AND AND ADDRESS OF THE PROPERTY OF THE PROPERT		MODEL SHALL SHALL SHALL STORE AND THE SHALL SHAL
Client Instructions:			ACCESS CORP. DATA STATE
6. Additional remarks:			
7. Cooler Information Cooler No Temp °C Condition Seal 1 1.8 Good	Intact Seal No Seal Date	Signed By	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

May 31, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Sunset Dairy OrderNo.: 2203E27

## Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/26/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 08, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2203E27

4/6/2022 1:44:00 PM

66664

Received Date: 3/26/2022 11:20:00 AM

Date Reported: 5/31/2022

## Hall Environmental Analysis Laboratory, Inc.

2203E27-004

Nitrogen, Kjeldahl, Total

Lab ID:

**CLIENT:** EA Engineering Client Sample ID: LRG-3348-AS

**Project:** Sunset Dairy Collection Date: 3/25/2022 11:45:00 AM Matrix: GROUNDWA

**RL Qual Units Analyses** Result **DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: CAS 100 3/30/2022 4:49:03 PM Chloride 770 50 R86874 mg/L Nitrate+Nitrite as N 8.0 1.0 mg/L 3/31/2022 12:59:07 PM R86915 **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: KS 20.0 **Total Dissolved Solids** 2470 mg/L 4/5/2022 8:59:00 AM 66556 SM 4500 NORG C: TKN Analyst: EKM

1.0

mg/L

ND

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Lab Order **2203E27** 

Date Reported: 5/31/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: LRG-3348-B

 Project:
 Sunset Dairy
 Collection Date: 3/25/2022 12:00:00 PM

 Lab ID:
 2203E27-005
 Matrix: GROUNDWA
 Received Date: 3/26/2022 11:20:00 AM

**RL Qual Units Analyses** Result **DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: CAS 100 3/30/2022 5:13:52 PM Chloride 370 50 R86874 mg/L Nitrate+Nitrite as N ND 1.0 mg/L 3/31/2022 1:11:31 PM R86915 **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: KS 20.0 **Total Dissolved Solids** 1360 mg/L 4/5/2022 8:59:00 AM 66556 SM 4500 NORG C: TKN Analyst: EKM Nitrogen, Kjeldahl, Total ND 1.0 mg/L 4/6/2022 1:44:00 PM 66664

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range
pring Limit Page 2 of 5

# Hall Environmental Analysis Laboratory, Inc.

ND

Result

3.4

0.20

Batch ID: R86915

Analysis Date: 3/31/2022

**PQL** 

0.20

SPK value

3.500

SampType: Ics

WO#: **2203E27** 

31-May-22

**Client:** EA Engineering **Project:** Sunset Dairy Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: R86874 RunNo: 86874 Prep Date: Analysis Date: 3/30/2022 SeqNo: 3069116 Units: mg/L Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Chloride ND 0.500 Nitrate+Nitrite as N ND 0.200 Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions LCSW Client ID: Batch ID: R86874 RunNo: 86874 Prep Date: Analysis Date: 3/30/2022 SeqNo: 3069117 Units: mg/L Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 90 Chloride 4.74 0.500 5.000 0 94.7 110 Nitrate+Nitrite as N 0 90 3.52 0.200 3.500 101 110 Sample ID: LCS-D SampType: Ics TestCode: EPA Method 300.0: Anions Batch ID: R86874 Client ID: LCSW RunNo: 86874 Analysis Date: 3/30/2022 Prep Date: SeqNo: 3069173 Units: mg/L Result PQL SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte LowLimit HighLimit Chloride 4.5 0.50 5.000 90.8 90 0 110 Nitrate+Nitrite as N 3.4 0.20 3.500 0 96.9 90 110 Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: **PBW** Batch ID: R86915 RunNo: 86915 Units: mg/L Prep Date: Analysis Date: 3/31/2022 SeqNo: 3070751 SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte POL LowLimit

#### Qualifiers:

Nitrate+Nitrite as N

Sample ID: LCS

LCSW

Client ID:

Prep Date:

Nitrate+Nitrite as N

Analyte

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

TestCode: EPA Method 300.0: Anions

LowLimit

90

Units: mg/L

HighLimit

110

%RPD

**RPDLimit** 

Qual

RunNo: 86915

%REC

96.4

SeqNo: 3070752

E Estimated value

SPK Ref Val

0

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E27** 

31-May-22

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-66556 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073515 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66556 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66556 RunNo: 86980

Prep Date: 3/31/2022 Analysis Date: 4/5/2022 SeqNo: 3073516 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1000 20.0 1000 0 101 80 120

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 5

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E27** 

31-May-22

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-66664 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66664 RunNo: 87043

Prep Date: 4/6/2022 Analysis Date: 4/6/2022 SeqNo: 3075994 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66664 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66664 RunNo: 87043

Prep Date: 4/6/2022 Analysis Date: 4/6/2022 SeqNo: 3075995 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.8 1.0 10.00 0 98.0 80 120

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: **EA** Engineering Work Order Number: 2203E27 RcptNo: 1 Received By: **Desiree Dominguez** 3/26/2022 11:20:00 AM Completed By: Desiree Dominguez 3/26/2022 12:54:10 PM Reviewed By: Sec 3/28/22 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? FedEx Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 No NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No 🔲 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 🗌 8. Was preservative added to bottles? No 🗸 Yes \_\_ NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA 🗸 10. Were any sample containers received broken? Yes No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? NO Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 14. Were all holding times able to be met? Checked by: CMC 3/28/CC Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Temp °C Condition Seal Intact Seal No Seal Date Signed By 1 1.8 Good

ပ	hain	-ot-C	Chain-of-Custody Record	Turn-Around Time:	l Time:				1							
Client:				☐ Standaro	Rush			7.	HAL	HALL ENVIRONMENT			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		N C	
EA Engineering,	neering	, Science	Science, and Technology	Project:						With the state of	ה ה		בא סק		2	
Mailing Address:	Addres	S:		Sunset	Dairy		490	1 Hay	kine NF	www.italieitviioiiiieitai.coffi 4901 Hawkins NE - Albiranarana NM 92400		IIAI.COI	1 0740	c		
320 Gok	d Ave S	320 Gold Ave SW Suite		Project #:				505	505-345-3975	י . מער	bianhna Eak Ea	Enque, ININI 67	0/10	מ		
Phone #:	,.	505-715-4279	5-4279						160-040	na	ak Suk	1-545-4	101			
email or Fax#:	Fax#:		rmullen@eaest.com	Project Manager:	ager:		00						-			
QA/QC Package:	ackage				Gina Mullen		€ bo									
□ Standard	lard	*	☐ Level 4 (Full Validation)				цэə	<b>D</b> 5	a		80					
Accreditation:	ation:	□ Az Co	mpliance	Sampler: On Ice:	Angel Nieto Rivera	Rivera	M Aq		IOW C		109 A		=			
☐ EDD (Type)	(Type)			# of Coolers:	( -		g se		) Ot	ne	Eb	-				
				Cooler Temp(including cF):	(including CF): 1,8	-0.0 = 1.8%	Jitrit		, SZ	A4=						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	3303 E 27	Vitrate/V	TKN SN	LDS SM	Sulfate I	hospho otal Su					
3-25	10:50	B	LRG-3359-AA-Twins	8		1001							-			
3-25	01:11	B	LRG-3348-5-2 Twin N	K		- 003	X	~			-					
325	11:35	Z	LRG-940-0002	8		5007	メ	X			-		+		+	
3-25	11:45	S	LPG-3348. AS	3		400-	文	X 又	×		-		-		-	
325	12:00	50	L Ra-3348-8	3		-005	×	メメ	,						-	
													-		-	
						LS.										
p.																
		24														
		=														
	Time:	Relinquished by:		Received by:	Via:	Date Time	Remarks:				-			1	1	
3.25	17:00	7	un	A)	Fed Ex	3/20/22 11:20	Remove Samples from report as per Gina - 118G-3359-	Samp	les froi	n renot	1 28 1	er Gin		RG-3	359-	
	Time:	Relinquished by:		Received by:	Via:	Date Time	AA-Twin S; LRG-3348-S-2 Twin N; LRG-940-POD2.	n S; L]	334 334	18-S-2	[win]	V; LRC	ia 1.	POD	2.5	
							5/31/22 MMG	MMG								-

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

March 07, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Bright Star Dairy OrderNo.: 2202734

## Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/15/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Lab Order **2202734**

Date Reported: 3/7/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 86/340-01

**Project:** Bright Star Dairy
 Collection Date: 2/14/2022 10:25:00 AM

 **Lab ID:** 2202734-001
 Matrix: GROUNDWA
 Received Date: 2/15/2022 12:11:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	230	50		mg/L	100	2/15/2022 8:57:43 PM	A85856
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/15/2022 8:45:19 PM	A85856
Nitrogen, Nitrate (As N)	3.2	1.0		mg/L	10	2/15/2022 8:45:19 PM	A85856
Sulfate	750	50	*	mg/L	100	2/15/2022 8:57:43 PM	A85856
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2170	40.0	*D	mg/L	1	2/22/2022 5:27:00 PM	65683
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/17/2022 1:49:00 PM	65615

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

## Lab Order **2202734**

Date Reported: 3/7/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70/86/340-01

 Project:
 Bright Star Dairy
 Collection Date: 2/14/2022 12:33:00 PM

 Lab ID:
 2202734-002
 Matrix: GROUNDWA
 Received Date: 2/15/2022 12:11:00 PM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS					Analyst: <b>JM</b>	IT
Chloride	1700	100	*	mg/L	200 3/2/2022 9:11:48 PM R86	6214
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/15/2022 9:59:48 PM A85	5856
Nitrogen, Nitrate (As N)	20	1.0	*	mg/L	10 2/15/2022 9:59:48 PM A85	5856
Sulfate	1400	50	*	mg/L	100 2/15/2022 10:12:13 PM A85	5856
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: KS	<b>;</b>
Total Dissolved Solids	5440	40.0	*D	mg/L	1 2/22/2022 5:27:00 PM 656	683
SM 4500 NORG C: TKN					Analyst: <b>EKI</b>	M
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 2/17/2022 1:49:00 PM 656	615

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 8

# Lab Order **2202734**Date Reported: **3/7/2022**

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 340-01

**Project:** Bright Star Dairy
 Collection Date: 2/14/2022 1:58:00 PM

 **Lab ID:** 2202734-003
 Matrix: GROUNDWA
 Received Date: 2/15/2022 12:11:00 PM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Ba	atch
EPA METHOD 300.0: ANIONS					Analyst: CA	AS
Chloride	630	50	*	mg/L	100 2/15/2022 10:37:03 PM A8	85856
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/15/2022 10:24:38 PM A8	85856
Nitrogen, Nitrate (As N)	48	1.0	*	mg/L	10 2/15/2022 10:24:38 PM A8	85856
Sulfate	550	50	*	mg/L	100 2/15/2022 10:37:03 PM A8	85856
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: KS	S
Total Dissolved Solids	2950	40.0	*D	mg/L	1 2/22/2022 5:27:00 PM 65	5683
SM 4500 NORG C: TKN					Analyst: El	KM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 2/17/2022 1:49:00 PM 65	5615

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 8

Lab Order **2202734**Date Reported: **3/7/2022** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 340-02

 Project:
 Bright Star Dairy
 Collection Date: 2/14/2022 3:15:00 PM

 Lab ID:
 2202734-004
 Matrix: GROUNDWA
 Received Date: 2/15/2022 12:11:00 PM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS					Analyst: CA	IS
Chloride	850	50	*	mg/L	100 2/15/2022 11:01:52 PM A85	5856
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/15/2022 10:49:28 PM A85	5856
Nitrogen, Nitrate (As N)	55	1.0	*	mg/L	10 2/15/2022 10:49:28 PM A85	5856
Sulfate	610	50	*	mg/L	100 2/15/2022 11:01:52 PM A85	5856
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: <b>KS</b>	;
Total Dissolved Solids	3200	100	*D	mg/L	1 2/22/2022 5:27:00 PM 656	683
SM 4500 NORG C: TKN					Analyst: <b>EK</b> l	(M
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 2/17/2022 1:49:00 PM 656	615

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 8

**Client:** 

## Hall Environmental Analysis Laboratory, Inc.

EA Engineering Alb

WO#: **2202734** 

07-Mar-22

**Project: Bright Star Dairy** Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: A85856 RunNo: 85856 Prep Date: Analysis Date: 2/15/2022 SeqNo: 3023245 Units: mq/L Analyte **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual ND 0.50 Chloride Nitrogen, Nitrite (As N) ND 0.10 Nitrogen, Nitrate (As N) NΠ 0.10 Sulfate ND 0.50 Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: LCSW RunNo: 85856 Batch ID: A85856 Prep Date: Analysis Date: 2/15/2022 SeqNo: 3023246 Units: mg/L Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 90.1 90 Chloride 4.5 0.50 5.000 Λ 110 Nitrogen, Nitrite (As N) 0.91 0.10 1.000 0 91.3 90 110 0 97.4 90 Nitrogen, Nitrate (As N) 2.4 0.10 2.500 110 Sulfate 9.1 0.50 10.00 n 90.8 90 110 Sample ID: 2202734-001AMS SampType: ms TestCode: EPA Method 300.0: Anions Client ID: 86/340-01 Batch ID: A85856 RunNo: 85856 Prep Date: Analysis Date: 2/15/2022 SeqNo: 3023255 Units: mg/L Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Nitrogen, Nitrite (As N) 8.7 1.0 10.00 n 87.1 83.4 105 Nitrogen, Nitrate (As N) 28 25.00 3.154 98.6 93.5 1.0 110 Sample ID: 2202734-001AMSD SampType: msd TestCode: EPA Method 300.0: Anions Client ID: 86/340-01 Batch ID: A85856 RunNo: 85856 Prep Date: Analysis Date: 2/15/2022 SeqNo: 3023256 Units: mg/L

Quali	

Analyte

Nitrogen, Nitrite (As N)

Nitrogen, Nitrate (As N)

Sample ID: MB

Client ID:

Prep Date:

Analyte

Chloride

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

PBW

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

8 % Recovery outside of range due to dilution or matrix interference

Result

Result

ND

8.8

28

PQL

SampType: mblk

Analysis Date: 3/2/2022

Batch ID: R86214

POL

0.50

1.0

1.0

SPK value SPK Ref Val

3.154

10.00

25.00

B Analyte detected in the associated Method Blank

%REC

87.6

99.0

RunNo: 86214

SeqNo: 3038855

LowLimit

TestCode: EPA Method 300.0: Anions

83.4

93.5

HighLimit

Units: mg/L

HighLimit

105

110

%RPD

0.492

0.384

%RPD

**RPDLimit** 

**RPDLimit** 

20

20

Qual

Qual

E Estimated value

SPK value SPK Ref Val %REC LowLimit

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 8

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202734** 

07-Mar-22

Client: EA Engineering Alb
Project: Bright Star Dairy

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R86214 RunNo: 86214

Prep Date: Analysis Date: 3/2/2022 SeqNo: 3038863 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 4.6 0.50 5.000 0 91.6 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 8

# Hall Environmental Analysis Laboratory, Inc.

WO#: 2202734

07-Mar-22

**Client:** EA Engineering Alb **Project: Bright Star Dairy** 

Sample ID: MB-65683 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65683 RunNo: 86002

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3029846 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Total Dissolved Solids ND 20.0

**Total Dissolved Solids** 

Sample ID: LCS-65683 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

1000

Client ID: LCSW Batch ID: 65683 RunNo: 86002

20.0

1010

Analysis Date: 2/22/2022 Prep Date: 2/21/2022 SeqNo: 3029847 Units: mg/L

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Result PQL HighLimit Qual Analyte 0

101

80

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 7 of 8

# Hall Environmental Analysis Laboratory, Inc.

WO#: 2202734

07-Mar-22

**Client:** EA Engineering Alb **Project: Bright Star Dairy** 

Sample ID: MB-65615 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65615 RunNo: 85909

Prep Date: 2/17/2022 Analysis Date: 2/17/2022 SeqNo: 3025179 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Nitrogen, Kjeldahl, Total ND 1.0

Nitrogen, Kjeldahl, Total

Sample ID: LCS-65615 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65615 RunNo: 85909

1.0

9.9

Analysis Date: 2/17/2022 Prep Date: 2/17/2022 SeqNo: 3025180 Units: mg/L

10.00

PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result HighLimit Qual 0

99.4

120

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 8 of 8



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name:	EA Engineering	Work Order Number	er: 220	2734		RcptNc	p: 1
Received By:	Cheyenne Cason	2/15/2022 12:11:00 F	PM		Chul		
Completed By:	Cheyenne Cason	2/15/2022 1:39:12 PI	М		Chul		
Reviewed By: S	er 2/15/22						
Chain of Custo	odv						
1. Is Chain of Cus			Yes	~	No 🗌	Not Present	
2. How was the sa			Fed	( ( <del>( ( ) ) ) )</del>		Not i lesent	
<u>Log In</u>							
	t made to cool the samples?		Yes	<b>✓</b>	No 🗌	NA 🗆	
4. Were all sample	es received at a temperature of	of >0° C to 6.0°C	Yes		No 🗸	NA 🗌	
5. Sample(s) in pro	oper container(s)?		sam Yes	ples not	frozen No		
6. Sufficient sample	e volume for indicated test(s)	?	Yes	<b>V</b>	No 🗌		
	cept VOA and ONG) properly	preserved?	Yes	✓	No 🗌		
8. Was preservative	e added to bottles?		Yes		No 🗸	NA 🗌	
9. Received at leas	t 1 vial with headspace <1/4"	for AQ VOA?	Yes		No 🗌	NA 🗸	
10. Were any samp	le containers received broken	?	Yes		No 🗸		
	match bottle labels? cies on chain of custody)		Yes	<b>✓</b>	No 🗌	# of preserved bottles checked for pH:	4
	rectly identified on Chain of C	ustody?	Yes	<b>7</b>	No 🗌	Adjusted?	>12 unless noted)
	nalyses were requested?	ustody!	Yes		No 🗆	. rajuotou:	140
14. Were all holding	times able to be met? omer for authorization.)		Yes		No $\square$	Checked by:	KPG 2/15/2
Special Handling	g (if applicable)						
	ed of all discrepancies with th	is order?	Yes		No 🗌	NA 🗸	
Person No	tified:	Date:	AR SERVICE COLUMN	Nel-434/Long-lab sales and	ertransport and property and a		
By Whom:		Via: [	eMa	il 🗌 Ph	one  Fax	☐ In Person	
Regarding	*	THE REAL PROPERTY OF THE PARTY	e-sarated and	Marin artifera		THE SECTION OF THE PARTY OF THE	
Client Instr	ructions:	CONTRACTOR	AND THE REAL PROPERTY.	ti rilat keneri bandulu bulu bi		THE PROPERTY OF THE PROPERTY O	
16. Additional rema	rks:						
	Temp °C Condition Sea	Il Intact Seal No S	Seal Da	te S	Signed By		

	hain	-of-C	Chain-of-Custody Record	I urn-Around Time:	Time:				•		Ŀ		Ì		ļ	ļ	
Client:				Standard	□ Rush				L @	Z	-! -! >		NALL ENVIKONMENTAL ANALYSTS LABODATODY			Z	. >
EA Enç	EA Engineering,		Science, and Technology	Project Name:	io.					W	hallen	viron	www.hallenvironmental.com	m03			
Mailing	Mailing Address:	S:		Bright Star Dairy	airy		4	901 F	4901 Hawkins NE	ns N	1	nbnq	Albuquerque, NM 87109	NM 87	7109		
320 Gc	320 Gold Ave SW Suite	W Suite		Project #:				Tel. 5	505-345-3975	5-39		Fax	Fax 505-345-4107	5-410	7		
Phone #:	#:	505-715-4279	-4279								Ana	ysis	<b>Analysis Request</b>	st			
email c	email or Fax#:		rmullen@eaest.com	Project Manager:	ger:		008					_		,			_
QA/QC	QA/QC Package:				Gina Mullen		; por					.{					
□ Star	Standard		☐ Level 4 (Full Validation)							D	10	10B					
Accreditation: ☐ NELAC	litation: AC	□ Az Co	☐ Az Compliance	Sampler: On Ice:	Angel Nieto Rivera	Rivera	И АЧ∃		00	OW C	0	09 A					
	EDD (Type)			# of Coolers:			sə		εA	07	08 /	43 <sup>9</sup>					
				Cooler Temp(including CF): -O		3-0.1 = -0.4	Hitrit		3 E	97 V		orus	ılfur				
Date	Time	Matrix	Sample Name	Container Type and #	Preservative 7	HEAL No.	Vitrate\	TKN SI	Chlorid	IDS SI	Sulfate	ydsoyc	Total Si				
2-14	10:25	30	86/340-01	3			×	1	×		   ×		-				
7-14	(2:33	S.	70/8/6/340-01	3		700	X	X	X	メ	×						
244	13:58	900	340-01	8		(603	×	X	Х	又							
7-14	15:15	J.	340-02	K		604	X	人	X	メ							
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	23	•			-				*							o.	
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	Time:	Relinquished by:		Received by:			Remarks	 					is.				
Date:	Time:	Relinquished by:		Received by:	Via:	Olis/ CC 1CII											
			60			2											

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 09, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX

RE: Mountain View Dairy OrderNo.: 2202786

## Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/16/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

## Lab Order 2202786

Date Reported: 3/9/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70-03

Project: Mountain View Dairy

Lab ID: 2202786-001

Matrix: GROUNDWA

Collection Date: 2/15/2022 10:37:00 AM

Received Date: 2/16/2022 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	1600	50	*	mg/L	100 2/17/2022 12:12:25 AM R8589
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/17/2022 12:00:01 AM R8589
Nitrogen, Nitrate (As N)	38	1.0	*	mg/L	10 2/17/2022 12:00:01 AM R8589
Sulfate	840	50	*	mg/L	100 2/17/2022 12:12:25 AM R8589
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: <b>KS</b>
Total Dissolved Solids	4240	20.0	*	mg/L	1 2/22/2022 2:39:00 PM 65686
SM 4500 NORG C: TKN					Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 2/21/2022 1:38:00 PM 65644

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

## Lab Order 2202786

Date Reported: 3/9/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70-01

**Project:** Mountain View Dairy **Collection Date:** 2/15/2022 12:08:00 PM **Lab ID:** 2202786-002 **Matrix:** GROUNDWA **Received Date:** 2/16/2022 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	690	50	*	mg/L	100 2/24/2022 12:06:47 AM A86057
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/17/2022 12:24:50 AM R85896
Nitrogen, Nitrate (As N)	20	1.0	*	mg/L	10 2/17/2022 12:24:50 AM R85896
Sulfate	720	50	*	mg/L	100 3/7/2022 9:56:41 PM R86285
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: <b>KS</b>
Total Dissolved Solids	3170	20.0	*	mg/L	1 2/22/2022 2:39:00 PM 65686
SM 4500 NORG C: TKN					Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 2/21/2022 1:38:00 PM 65644

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 8

## Lab Order 2202786

Date Reported: 3/9/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70-02

**Project:** Mountain View Dairy
 Collection Date: 2/15/2022 2:00:00 PM

 **Lab ID:** 2202786-003
 Matrix: GROUNDWA
 Received Date: 2/16/2022 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	JMT
Chloride	860	50	*	mg/L	100	2/17/2022 1:26:52 AM	R85896
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/17/2022 1:14:27 AM	R85896
Nitrogen, Nitrate (As N)	34	1.0	*	mg/L	10	2/17/2022 1:14:27 AM	R85896
Sulfate	470	5.0	*	mg/L	10	2/17/2022 1:14:27 AM	R85896
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2980	20.0	*	mg/L	1	2/22/2022 2:39:00 PM	65686
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/21/2022 1:38:00 PM	65644

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 8

## Lab Order 2202786

Date Reported: 3/9/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70-04

**Project:** Mountain View Dairy
 Collection Date: 2/15/2022 2:56:00 PM

 **Lab ID:** 2202786-004
 Matrix: GROUNDWA
 Received Date: 2/16/2022 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	600	50	*	mg/L	100	2/17/2022 1:51:40 AM	R85896
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/17/2022 1:39:16 AM	R85896
Nitrogen, Nitrate (As N)	17	1.0	*	mg/L	10	2/17/2022 1:39:16 AM	R85896
Sulfate	730	50	*	mg/L	100	2/17/2022 1:51:40 AM	R85896
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3000	100	*D	mg/L	1	2/22/2022 2:39:00 PM	65686
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	2/21/2022 1:38:00 PM	65644

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 8

**Client:** 

# Hall Environmental Analysis Laboratory, Inc.

EA Engineering Alb

WO#: **2202786** 

09-Mar-22

Project:	Mountain View Dai									
Sample ID: MB	SampT	ype: <b>m</b> k	olk	Tes	tCode: E	PA Method	300.0: Anions	S		
Client ID: PBW	Batch	n ID: <b>R8</b>	5896	F	RunNo: 8	5896				
Prep Date:	Analysis D	ate: 2/	16/2022	5	SeqNo: 3	024984	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								
Sample ID: LCS	SampT	ype: <b>Ics</b>	5	Tes	tCode: E	PA Method	300.0: Anions	S		
Client ID: LCSW	Batch	n ID: <b>R8</b>	5896	F	RunNo: 8	5896				
Prep Date:	Analysis D	ate: 2/	16/2022	5	SeqNo: 3	024985	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	95.2	90	110			
Nitrogen, Nitrite (As N)	1.0	0.10	1.000	0	99.9	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	102	90	110			
Sulfate	9.4	0.50	10.00	0	94.4	90	110			
Sample ID: MB	SampT	ype: <b>m</b> k	olk	Tes	tCode: E	PA Method	300.0: Anions	S		
Client ID: PBW	Batch	n ID: A8	6057	F	RunNo: 8	6057				
Prep Date:	Analysis D	ate: <b>2/</b>	23/2022	5	SeqNo: 3	032194	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Sample ID: LCS	SampT	ype: <b>Ics</b>	<u> </u>	Tes	tCode: E	PA Method	300.0: Anions	S		
Client ID: LCSW	Batch	n ID: A8	6057	F	RunNo: 8	6057				
Prep Date:	Analysis D	ate: <b>2/</b>	23/2022	S	SeqNo: 3	032195	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.8	90	110			
Sample ID: MB	SampT	ype: <b>m</b> k	olk	Tes	tCode: E	PA Method	300.0: Anions	s		-
Client ID: PBW	Batch	n ID: <b>R8</b>	6285	F	RunNo: 8	6285				
Prep Date:	Analysis D	ate: 3/	7/2022	S	SeqNo: 3	043139	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

### Qualifiers:

Sulfate

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference

ND

0.50

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202786** 

09-Mar-22

Client: EA Engineering Alb
Project: Mountain View Dairy

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R86285 RunNo: 86285

Prep Date: Analysis Date: 3/7/2022 SeqNo: 3043140 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Sulfate 9.6 0.50 10.00 0 96.0 90 110

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 8

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202786** 

09-Mar-22

Client: EA Engineering Alb
Project: Mountain View Dairy

Sample ID: MB-65686 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: **PBW** Batch ID: **65686** RunNo: **85996** 

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3029379 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-65686 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 65686 RunNo: 85996

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3029380 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1000 20.0 1000 0 101 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 8

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202786** 

09-Mar-22

Client: EA Engineering Alb
Project: Mountain View Dairy

Sample ID: MB-65644 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65644 RunNo: 85968

Prep Date: 2/18/2022 Analysis Date: 2/21/2022 SeqNo: 3028228 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65644 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65644 RunNo: 85968

Prep Date: 2/18/2022 Analysis Date: 2/21/2022 SeqNo: 3028229 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 10 1.0 10.00 0 101 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 8



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: **EA** Engineering Work Order Number: 2202786 RcptNo: 1 Generally Sulcyote Received By: Juan Rojas 2/16/2022 9:05:00 AM Completed By: Sean Livingston 2/16/2022 10:47:00 AM Reviewed By: Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? FedEx Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 No 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No  $\square$ No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🗸 Yes 🗸 No  $\square$ 7. Are samples (except VOA and ONG) properly preserved? No 🗸 8. Was preservative added to bottles? Yes NA 🗌 NA 🗸 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗌 Yes Yes No 🗸 10. Were any sample containers received broken? # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) or >12 unless noted) No 🗌 Adjusted<sup>®</sup> 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 No 🗌 Checked by: 14. Were all holding times able to be met? Yes 🗸 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 8.0 Good

O	hain-	of-Cu	Chain-of-Custody Record	Turn-Around Time:	īme:					2	HALL FNVTRONMENTAL	2	Z L			
Client:		5		Standard	□ Rush			<	NAL	YSI	ANALYSIS LABORATORY	BOF	\ ¥	Ö	. ≿	
EA Eng	ineering,	Science,	EA Engineering, Science, and Technology	Project Name:				_	ww.ha	llenviror	www.hallenvironmental.com	com				
Mailing	Mailing Address:			Mountain View Dairy	v Dairy		4901	Hawki	ns NE	. Albuq	4901 Hawkins NE - Albuquerque, NM 87109	NM 871	60			
320 Go	320 Gold Ave SW Suite	W Suite		Project #:	-		Tel.	505-34	505-345-3975	Fax	505-345-4107	5-4107				
Phone #:	#:	505-715-4279	4279	ž				-	'	nalysis	Analysis Request	st	_	_	-	1
email or Fax#:	r Fax#:		rmullen@eaest.com	Project Manager:	jer.		300			19				4	iai iai	
QA/QC	QA/QC Package:		:		Gina Mullen					80						
□ Standard	dard		☐ Level 4 (Full Validation)						ac	) I (						
Accreditation:	itation: AC	□ Az Co □ Other	mpliance	Sampler: On Ice:	Angel Nieto Rivera ☐ Yes ☐ No	Sivera □ No			551.555.	D9 AG			-			
□ EDD (Type)	(Type)			# of Coolers:												
				Cooler Temp(including CF): 0		90,1008			0	IJOU					11	
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO.	Nitrate/I	TKN SI	TDS SN Sulfate	Phosph	S lstoT	i i				
215	10:37	30	70-03	2		100	<u>×</u>	X	×							
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Date:	Time:	Relinquished by:	ed by:	Received by:	Via:	Date Time										
													-			1

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 08, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dominguez Dairy 2 OrderNo.: 2202884

## Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/17/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

## Lab Order 2202884

Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-03

**Project:** Dominguez Dairy 2
 Collection Date: 2/16/2022 10:40:00 AM

 **Lab ID:** 2202884-001
 Matrix: AQUEOUS
 Received Date: 2/17/2022 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	1000	50	*	mg/L	100	3/4/2022 2:09:08 PM	R86272
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/17/2022 9:51:56 PM	R85924
Nitrogen, Nitrate (As N)	31	1.0	*	mg/L	10	2/17/2022 9:51:56 PM	R85924
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	3240	20.0	*	mg/L	1	2/25/2022 12:25:00 PM	65749
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/22/2022 1:16:00 PM	65681

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

## Lab Order 2202884

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/8/2022

CLIENT: EA Engineering Alb Client Sample ID: 42-13

**Project:** Dominguez Dairy 2 **Collection Date:** 2/16/2022 12:20:00 PM

**Lab ID:** 2202884-002 **Matrix:** AQUEOUS **Received Date:** 2/17/2022 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	1000	50	*	mg/L	100	3/4/2022 2:21:28 PM	R86272
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/17/2022 10:17:08 PM	R85924
Nitrogen, Nitrate (As N)	16	1.0	*	mg/L	10	2/17/2022 10:17:08 PM	R85924
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	3330	20.0	*	mg/L	1	2/25/2022 12:25:00 PM	65749
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	2/22/2022 1:16:00 PM	65681

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

## Lab Order 2202884

Received Date: 2/17/2022 11:00:00 AM

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering Alb Client Sample ID: 42-02

**Project:** Dominguez Dairy 2 Collection Date: 2/16/2022 3:30:00 PM Matrix: AQUEOUS

**Analyses** Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 520 50 mg/L 100 3/4/2022 2:33:49 PM R86272 Nitrogen, Nitrite (As N) ND 1.0 mg/L 2/17/2022 10:42:52 PM R85924 Nitrogen, Nitrate (As N) 2/17/2022 10:42:52 PM R85924 7.3 1.0 mg/L **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: KS **Total Dissolved Solids** 2850 20.0 2/25/2022 12:25:00 PM 65749 mg/L SM 4500 NORG C: TKN Analyst: EKM ND 2/22/2022 1:16:00 PM 65681 Nitrogen, Kjeldahl, Total 1.0 mg/L

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

Lab ID:

2202884-003

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Estimated value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Limit RL

Page 3 of 6

# Hall Environmental Analysis Laboratory, Inc.

Result

4.7

0.50

5.000

WO#: **2202884** 

08-Mar-22

Client: Project:	EA Engineering Alb Dominguez Dairy 2		
Troject.	Dominiguez Dany 2		
Sample ID: MB	SampType: <b>mblk</b>	TestCode: EPA Method 300.0: Anions	
Client ID: PBW	Batch ID: R85924	RunNo: <b>85924</b>	
Prep Date:	Analysis Date: 2/17/2022	SeqNo: 3026012 Units: mg/L	
Analyte	Result PQL SPK valu	ue SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual
Nitrogen, Nitrite (As N)	ND 0.10		
Nitrogen, Nitrate (As N)	) ND 0.10		
Sample ID: LCS	SampType: <b>Ics</b>	TestCode: EPA Method 300.0: Anions	
Client ID: LCSW	V Batch ID: R85924	RunNo: <b>85924</b>	
Prep Date:	Analysis Date: 2/17/2022	SeqNo: 3026019 Units: mg/L	
Analyte	Result PQL SPK valu	ue SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual
Nitrogen, Nitrite (As N)	0.97 0.10 1.00	00 0 97.3 90 110	
Nitrogen, Nitrate (As N)	) 2.5 0.10 2.50	0 0 99.6 90 110	
Sample ID: MB	SampType: <b>mblk</b>	TestCode: EPA Method 300.0: Anions	
Client ID: PBW	Batch ID: R86272	RunNo: <b>86272</b>	
Prep Date:	Analysis Date: 3/4/2022	SeqNo: 3042009 Units: mg/L	
Analyte	Result PQL SPK valu	ue SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual
Chloride	ND 0.50		
Sample ID: LCS	SampType: Ics	TestCode: EPA Method 300.0: Anions	
Client ID: LCSW	V Batch ID: <b>R86272</b>	RunNo: <b>86272</b>	
Prep Date:	Analysis Date: 3/4/2022	SeqNo: 3042010 Units: mg/L	

SPK value SPK Ref Val %REC LowLimit

93.9

0

HighLimit

110

90

%RPD

**RPDLimit** 

Qual

### Qualifiers:

Analyte

Chloride

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202884** 

08-Mar-22

Client: EA Engineering Alb
Project: Dominguez Dairy 2

Sample ID: MB-65749 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65749 RunNo: 86098

Prep Date: 2/23/2022 Analysis Date: 2/25/2022 SegNo: 3033793 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-65749 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 65749 RunNo: 86098

Prep Date: 2/23/2022 Analysis Date: 2/25/2022 SegNo: 3033794 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

Sample ID: 2202884-001ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 42-03 Batch ID: 65749 RunNo: 86098

Prep Date: 2/23/2022 Analysis Date: 2/25/2022 SeqNo: 3033800 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 3270 20.0 1.04 10 \*

### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202884** 

08-Mar-22

Client: EA Engineering Alb Project: Dominguez Dairy 2

Sample ID: MB-65681 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65681 RunNo: 85998

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3029801 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65681 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65681 RunNo: 85998

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3029802 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: EA Engineering	Work Order Nun	nber: 2202884		RcptNo	o: 1
Received By: Tracy Casarrubias	2/17/2022 11:00:0	0 AM			
Completed By: Tracy Casarrubias	2/17/2022 1:43:07	PM			
Reviewed By: DAD 7/17/22					
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		FedEx			
<u>Log In</u> 3. Was an attempt made to cool the samp	les?	Yes 🗸	No 🗌	NA 🗆	
4. Were all samples received at a tempera	ture of >0° C to 6.0°C	Yes  Samples not	No 🗹	NA 🗆	
5. Sample(s) in proper container(s)?		Yes 🗸	No		
6. Sufficient sample volume for indicated te	est(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) pro	perly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to bottles?		Yes	No 🔽	NA 🗌	
9. Received at least 1 vial with headspace	<1/4" for AQ VOA?	Yes	No 🗌	NA 🗸	
10. Were any sample containers received be	roken?	Yes	No 🗸	# - 6	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🔽	No 🗆	# of preserved bottles checked for pH:	3
12. Are matrices correctly identified on Chair		Yes 🗸	No 🗌	ردی فر Adjusted?	>12 unless noted)
13. Is it clear what analyses were requested?		Yes 🗸	No 🗆	, isjactou.	,,,,
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗆	Checked by:	TO 2/17/27
Special Handling (if applicable)					
15. Was client notified of all discrepancies w	rith this order?	Yes 🗌	No 🗌	NA 🗸	
Person Notified:	Date:		William States Company was		
By Whom:	Via:	eMail P	hone  Fax	In Person	
Regarding: Client Instructions:					
16. Additional remarks:					
17. Cooler Information					
Cooler No Temp °C Condition  1 -1.4 Good	Seal Intact Seal No Not Present	Seal Date	Signed By		

	Chail	n-of-C	Chain-of-Custody Record	Turn-Around Time:	Time:		Г											
Client:	ī.							<b>a</b>	100	§ I		Ž	VTE	HALL ENVIDORMENT			( L	
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EAE	EA Engineering,	ng, Scienc	Science, and Technology	Project Name:	ä			0 kg		Z	ANALYSIS	2	יי מא	LABORATORY	9	Ĕ	2	>
Mall	Mailing Address:	SS:		Dominguez	Dairy 2					<b>*</b>	.halle	nviror	ıment	www.hallenvironmental.com	_			
320 (	Sold Ave	320 Gold Ave SW Suite		Project #:	2 6 10 10 10 10 10 10 10 10 10 10 10 10 10		1	4901	Haw	4901 Hawkins NE	/ - J	Mpndı	nerque	- Albuquerque, NM 87109	87109	•		
Phone #:	e #:	505-715-4279	5-4279					Tel.	505-3	Tel. 505-345-3975	175	Fax	505	505-345-4107	107			
emai	email or Fax#:	gant ex a	rmullen@eaest.com	Project Manager	Jer.				/		Ans	alysis	Analysis Request	rest				
QAVQ	QA/QC Package:	äi			Gina Mullon	AN AN		300										H
□ St	□ Standard	0 2	☐ Level 4 (Full Validation)															
Accreditati	Accreditation:	☐ Az Co☐	mpliance	انا		ivera		•М A ЭЯС		NOD		10109						
	□ EDD (Type)				M Yes	No I				CV	00	<b>∀</b> c						
				# of Coolers:						07	30	43			P			
		9		Cooler Lemp(including CF).	J. T. C. Transport	1-1-20-1				9Z V	A43	snıc						
Date	Time	Matrix	Sample Name	Container Type and #	ervative	HEAL No.	1010		loride	NS S	fate	ydso	ng Je					
2-16	$\overline{}$	$\overline{}$	110.07	T	- Aba	h887.07.7	7:1V	- 1		αŢ	ıns	РР		Ta.				
3 5		$\neg$	720)	8		100	_	$\frac{\times}{\checkmark}$	×	×						T		$\perp$
41.4	14:20	$\rightarrow$	42-13	R		600		>	>	1	+						+	
The	15:30	S S	42-02	0	×	200		_	1	×	+						-	
				3		00>	1	4	X	$\times$								
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	2									-						$\vdash$		
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)ate:	Time:	Relinquished by	10	Received by:	Via: Ped TX	Date Time	Remarks	] ::		-			-			$\vdash$		
		Relindlished by:	7	1		122												
	13:12			Received by:	Via:	Date Time												
	necessary, s	samples subm	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly maked and a subscingulation of the clear maked and a su	racted to other accreo	dited laboratories. T	This serves as notice of this	possibility.	Any sul	o-contra	cted da	ad live	, who colo	100	=				
								•		1	A WILL DO	Cleany	notated c	on the and	alytical n	eport.		



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 08, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dominguez Dairy 2 OrderNo.: 2202914

#### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 5 sample(s) on 2/18/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### Lab Order 2202914

Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-08

 Project:
 Dominguez Dairy 2
 Collection Date: 2/17/2022 10:38:00 AM

 Lab ID:
 2202914-001
 Matrix: GROUNDWA
 Received Date: 2/18/2022 9:32:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	270	50	*	mg/L	100	2/18/2022 6:37:31 PM	R85947
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/18/2022 5:58:55 PM	R85947
Nitrogen, Nitrate (As N)	25	1.0	*	mg/L	10	2/18/2022 5:58:55 PM	R85947
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	1830	20.0	*	mg/L	1	2/24/2022 11:30:00 AM	65719
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/23/2022 1:34:00 PM	65718

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 9

#### Lab Order 2202914

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-06

 Project:
 Dominguez Dairy 2
 Collection Date: 2/17/2022 11:50:00 AM

 Lab ID:
 2202914-002
 Matrix: GROUNDWA
 Received Date: 2/18/2022 9:32:00 AM

**Analyses** Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride 570 50 mg/L 100 2/18/2022 7:28:57 PM R85947 Nitrogen, Nitrite (As N) ND 1.0 mg/L 2/18/2022 7:16:05 PM R85947 Nitrogen, Nitrate (As N) 10 100 2/18/2022 7:28:57 PM R85947 170 mg/L **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: KS **Total Dissolved Solids** 3510 20.0 2/24/2022 11:30:00 AM 65719 mg/L SM 4500 NORG C: TKN Analyst: EKM ND 5.0 2/23/2022 1:34:00 PM 65718 Nitrogen, Kjeldahl, Total D mg/L

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 9

### Lab Order **2202914**

Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-11

 Project:
 Dominguez Dairy 2
 Collection Date: 2/17/2022 2:21:00 PM

 Lab ID:
 2202914-003
 Matrix: GROUNDWA
 Received Date: 2/18/2022 9:32:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: MRA
Chloride	380	50	*	mg/L	100	2/18/2022 7:54:40 PM	R85947
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/18/2022 7:41:48 PM	R85947
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	2/18/2022 7:41:48 PM	R85947
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	1410	20.0	*	mg/L	1	2/24/2022 11:30:00 AM	65719
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/23/2022 1:34:00 PM	65718

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 9

### Lab Order **2202914**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/8/2022

CLIENT: EA Engineering Alb Client Sample ID: 42-12

 Project:
 Dominguez Dairy 2
 Collection Date: 2/17/2022 3:15:00 PM

 Lab ID:
 2202914-004
 Matrix: GROUNDWA
 Received Date: 2/18/2022 9:32:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	270	50	*	mg/L	100	2/18/2022 8:20:24 PM	R85947
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/18/2022 8:07:32 PM	R85947
Nitrogen, Nitrate (As N)	1.9	1.0		mg/L	10	2/18/2022 8:07:32 PM	R85947
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	1090	20.0	*	mg/L	1	2/24/2022 11:30:00 AM	65719
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/23/2022 1:34:00 PM	65718

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 9

#### Lab Order 2202914

Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-10

**Project:** Dominguez Dairy 2
 Collection Date: 2/15/2022 3:55:00 PM

 **Lab ID:** 2202914-005
 Matrix: GROUNDWA
 Received Date: 2/18/2022 9:32:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	MRA
Chloride	410	50	*	mg/L	100	2/18/2022 8:46:09 PM	R85947
Nitrate+Nitrite as N	6.1	1.0		mg/L	5	3/4/2022 11:23:41 PM	R86255
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	KS
Total Dissolved Solids	1590	20.0	*	mg/L	1	2/24/2022 11:30:00 AM	65719
SM 4500 NORG C: TKN						Analyst:	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/23/2022 1:34:00 PM	65718

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 9

**Client:** 

# Hall Environmental Analysis Laboratory, Inc.

EA Engineering Alb

WO#: **2202914** 

08-Mar-22

Project: D	ominguez Dairy 2											
Sample ID: MB	SampT	ype: <b>ml</b>	olk	Tes	tCode: El	PA Method	300.0: Anions	S				
Client ID: PBW	Batch	n ID: R8	5947	F	RunNo: 8	5947						
Prep Date:	Analysis D	oate: 2/	18/2022	8	SeqNo: 30	027084	Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride	ND	0.50										
Nitrogen, Nitrite (As N)	ND	0.10										
Nitrogen, Nitrate (As N)	ND	0.10										
Sample ID: LCS	SampT	ype: <b>Ics</b>	3	Tes	tCode: El	PA Method	300.0: Anions	5				
Client ID: LCSW	Batch	Batch ID: <b>R85947</b> RunNo: <b>85947</b>										
Prep Date:	Analysis D	Date: 2/	18/2022	5	SeqNo: 30	027086	Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride	4.6	0.50	5.000	0	92.1	90	110					
Nitrogen, Nitrite (As N)	0.96	0.10	1.000	0	96.1	90	110					
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.0	90	110					
Sample ID: 2202914-0	001AMS SampT	ype: ms	S	Tes	tCode: El	PA Method	300.0: Anions	S				
Client ID: 42-08	Batch	n ID: <b>R8</b>	5947	F	RunNo: 8	5947						
Prep Date:	Analysis D	ate: <b>2/</b>	18/2022	5	SeqNo: 30	027102	Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Nitrogen, Nitrite (As N)	9.5	1.0	10.00	0	94.8	83.4	105					
Nitrogen, Nitrate (As N)	51	1.0	25.00	24.70	106	93.5	110					
Sample ID: 2202914-0	001AMSD SampT	ype: ms	sd	Tes	tCode: El	PA Method	300.0: Anions	S				
Client ID: 42-08	Batch	n ID: <b>R8</b>	5947	F	RunNo: 8	5947						
Prep Date:	Analysis D	oate: 2/	18/2022	S	SeqNo: 30	027103	Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Nitrogen, Nitrite (As N)	9.4	1.0	10.00	0	94.3	83.4	105	0.613	20			
Nitrogen, Nitrate (As N)	51	1.0	25.00	24.70	105	93.5	110	0.527	20			
Sample ID: MB	SampT	ype: ml	olk	Tes	tCode: El	PA Method	300.0: Anions	s				
Client ID: PBW	Batch	n ID: <b>R8</b>	6255	F	RunNo: 80	6255						
Prep Date:	Analysis D	ate: 3/	4/2022	SeqNo: <b>3041637</b> Units: <b>mg/L</b>								

#### Qualifiers:

Nitrate+Nitrite as N

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference

ND

0.20

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202914** 

08-Mar-22

Client: EA Engineering Alb
Project: Dominguez Dairy 2

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R86255 RunNo: 86255

Prep Date: Analysis Date: 3/4/2022 SeqNo: 3041638 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrate+Nitrite as N 3.5 0.20 3.500 0 101 90 110

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 9

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202914** 

08-Mar-22

Client: EA Engineering Alb
Project: Dominguez Dairy 2

Sample ID: MB-65719 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65719 RunNo: 86053

Prep Date: 2/22/2022 Analysis Date: 2/24/2022 SegNo: 3032046 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-65719 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 65719 RunNo: 86053

Prep Date: 2/22/2022 Analysis Date: 2/24/2022 SeqNo: 3032047 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 998 20.0 1000 0 99.8 80 120

Sample ID: 2202914-004ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 42-12 Batch ID: 65719 RunNo: 86053

Prep Date: 2/22/2022 Analysis Date: 2/24/2022 SeqNo: 3032067 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1090 20.0 0.0916 10 \*

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202914** 

08-Mar-22

Client: EA Engineering Alb Project: Dominguez Dairy 2

Sample ID: MB-65718 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65718 RunNo: 86031

Prep Date: 2/22/2022 Analysis Date: 2/23/2022 SeqNo: 3031262 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65718 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65718 RunNo: 86031

Prep Date: 2/22/2022 Analysis Date: 2/23/2022 SeqNo: 3031263 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 9 of 9



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients hallenvironmental of

# Sample Log-In Check List

			is.naitenvironmenia	ai.com		
Client Name:	EA Engineering	Work Order Num	nber: 2202914		RcptNo: 1	
Received By:	Cheyenne Cason	2/18/2022 9:32:00	АМ	Chul		
Completed By:	Cheyenne Cason	2/18/2022 9:38:47	AM	Chul		
Reviewed By:	JK2/18/22			Quic		
Chain of Cus	stody					
1. Is Chain of C	ustody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the	sample delivered?		<u>FedEx</u>			
Log In						
	npt made to cool the sample	es?	Yes 🗸	No 🗌	NA 🗆	
4. Were all samp	oles received at a temperatu	re of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗌	
	proper container(s)?		Yes 🗸	No 🗌	NA L	
6. Sufficient sam	ple volume for indicated tes	t(s)?	Yes 🗸	No 🗆		
	except VOA and ONG) prop		Yes 🗸	No 🗌		
	tive added to bottles?		Yes	No 🗹	NA 🗆	
9. Received at lea	ast 1 vial with headspace <	1/4" for AQ VOA?	Yes	No 🗌	NA 🗸	
	nple containers received bro		Yes	No 🗹	NA 💌	
					# of preserved	
	rk match bottle labels? ncies on chain of custody)		Yes 🗸		bottles checked for pH:	unless noted)
2. Are matrices co	orrectly identified on Chain	of Custody?	Yes 🗸	No 🗌	Adjusted?	1
	analyses were requested?		Yes 🗸	No 🗌		
	ig times able to be met?		Yes 🗸	No 🗆	Checked by: W	1 2/18
	stomer for authorization.)  ng (if applicable)					
	ified of all discrepancies wit	h this order?	Yes			
				No 📙	NA 🗹	
Person N	,	Date:		WALL STREET, S		
By Whor	,	Via:	eMail P	hone Fax	In Person	
Regardin	- /				TO THE REAL PROPERTY.	
	structions:				The state of the s	
<ol><li>16. Additional rem</li></ol>	narks:					
7. Cooler Inform	nation					

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good	Not Present			- ·gcu _,

Chain-of-Custody Record	Turn-Around Time:	HALL ENVIRONMENTAL
EA Engineering, Science, and Technology	]	ANALYSIS LABORATORY
	Dominguez Dairy 2	4901 Hawkins NE Albustons All STAGE
320 Gold Ave SW Suite	Project #:	wibudu Fax
Phone #: 505-715-4279		
email or Fax#: rmullen@eaest.com	Project Manager:	
QA/QC Package:		(
1: D Az Cor	Sampler: Angel Nieto Rivera	OD 3C (
		0 C W 200
EDD (Type)		9 V 30
	Cooler Temp(including CF): 1,3_0,1=1,2	EPA N 25 EFP N 45
Date Time Matrix Sample Name	Container Preservative HEAL No.  Type and # Type	Vitrate/ TKN SI Chlorid Phosph Sulfate
10:38 GW	8	- ×
2-17 11:50 GW 42-06		
14:21 GW	2 (203	
217 15:15 Gw 42-12		XXXX
(5.55 Gw 42-10	2 005	X
	Received by: Via: Date Time	Remarks:
0	Com Jules 2/18/10 0432	
Time: Relinquished by:		

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 01, 2022

Regina Mullen
EA Engineering Alb
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dominguez Dairy 1 OrderNo.: 2202950

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 5 sample(s) on 2/19/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order **2202950**

Date Reported: 3/1/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 624-11

 Project:
 Dominguez Dairy 1
 Collection Date: 2/18/2022 10:19:00 AM

 Lab ID:
 2202950-001
 Matrix: GROUNDWA
 Received Date: 2/19/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	1100	50	*	mg/L	100	2/22/2022 5:05:53 PM	R86015
Nitrate+Nitrite as N	9.7	1.0		mg/L	5	2/22/2022 5:18:17 PM	R86015
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3220	100	*D	mg/L	1	2/28/2022 6:29:00 PM	65776
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	1.1	1.0		mg/L	1	2/25/2022 9:19:00 AM	65781

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

Lab Order **2202950** 

Date Reported: 3/1/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 624-01

 Project:
 Dominguez Dairy 1
 Collection Date: 2/18/2022 11:45:00 AM

 Lab ID:
 2202950-002
 Matrix: GROUNDWA
 Received Date: 2/19/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	670	50	*	mg/L	100	2/22/2022 7:22:21 PM	A86015
Nitrate+Nitrite as N	6.1	1.0		mg/L	5	2/23/2022 2:24:09 AM	A86015
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2340	20.0	*	mg/L	1	2/28/2022 6:29:00 PM	65776
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/25/2022 9:19:00 AM	65781

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2202950**Date Reported: **3/1/2022** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 624-02

 Project:
 Dominguez Dairy 1
 Collection Date: 2/18/2022 1:20:00 PM

 Lab ID:
 2202950-003
 Matrix: GROUNDWA
 Received Date: 2/19/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	830	50	*	mg/L	100	2/22/2022 7:47:09 PM	A86015
Nitrate+Nitrite as N	12	1.0	*	mg/L	5	2/23/2022 2:36:34 AM	A86015
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3240	20.0	*	mg/L	1	2/28/2022 6:29:00 PM	65776
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	2/25/2022 9:19:00 AM	65781

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 2202950 Date Reported: 3/1/2022

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering Alb Client Sample ID: 624-10

**Project:** Dominguez Dairy 1 **Collection Date:** 2/18/2022 2:24:00 PM Lab ID: 2202950-004 Matrix: GROUNDWA Received Date: 2/19/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	390	50	*	mg/L	100	2/22/2022 8:36:48 PM	A86015
Nitrate+Nitrite as N	14	1.0	*	mg/L	5	2/23/2022 2:48:59 AM	A86015
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2200	100	*D	mg/L	1	2/28/2022 6:29:00 PM	65776
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	2/25/2022 9:19:00 AM	65781

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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### Lab Order **2202950**

Date Reported: 3/1/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 624-09

 Project:
 Dominguez Dairy 1
 Collection Date: 2/18/2022 3:35:00 PM

 Lab ID:
 2202950-005
 Matrix: GROUNDWA
 Received Date: 2/19/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	310	50	*	mg/L	100	2/22/2022 9:01:37 PM	A86015
Nitrate+Nitrite as N	1.6	1.0		mg/L	5	2/23/2022 3:01:23 AM	A86015
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	1880	200	*D	mg/L	1	2/28/2022 6:29:00 PM	65776
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	1.1	1.0		mg/L	1	2/25/2022 9:19:00 AM	65781

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

4.6

3.4

0.50

0.20

5.000

3.500

WO#: **2202950** 

01-Mar-22

Client: Project:	EA Engineering Alb Dominguez Dairy 1			
Sample ID: MB	SampType: mblk	TestCode: EPA Method	d 300.0: Anions	
Client ID: PBW	Batch ID: R86015	RunNo: <b>86015</b>		
Prep Date:	Analysis Date: 2/22/2022	SeqNo: 3030702	Units: mg/L	
Analyte	Result PQL SPK va	lue SPK Ref Val %REC LowLimit	t HighLimit %RPD	RPDLimit Qual
Chloride Nitrate+Nitrite as N	ND 0.50 ND 0.20			
Sample ID: LCS	SampType: <b>Ics</b>	TestCode: EPA Method	d 300.0: Anions	
Client ID: LCSW	Batch ID: <b>R86015</b>	RunNo: <b>86015</b>		
Prep Date:	Analysis Date: 2/22/2022	SeqNo: <b>3030703</b>	Units: mg/L	
Analyte	Result PQL SPK va	lue SPK Ref Val %REC LowLimit	t HighLimit %RPD	RPDLimit Qual
Chloride		000 0 92.1 90	-	
Nitrate+Nitrite as N	3.4 0.20 3.	0 98.3 90	110	
Sample ID: MB	SampType: <b>mblk</b>	TestCode: EPA Method	d 300.0: Anions	
Client ID: PBW	Batch ID: A86015	RunNo: <b>86015</b>		
Prep Date:	Analysis Date: 2/22/2022	SeqNo: <b>3030740</b>	Units: mg/L	
Analyte	Result PQL SPK va	lue SPK Ref Val %REC LowLimit	t HighLimit %RPD	RPDLimit Qual
Chloride	ND 0.50			
Nitrate+Nitrite as N	ND 0.20			
Sample ID: LCS	SampType: Ics	TestCode: EPA Method	d 300.0: Anions	
Client ID: LCSW	Batch ID: <b>A86015</b>	RunNo: <b>86015</b>		
Prep Date:	Analysis Date: 2/22/2022	SeqNo: <b>3030741</b>	Units: mg/L	
Analyte	Result PQL SPK va	lue SPK Ref Val %REC LowLimit	t HighLimit %RPD	RPDLimit Qual

#### Qualifiers:

Chloride

Nitrate+Nitrite as N

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

92.2

98.5

0

0

110

110

90

90

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202950** 

01-Mar-22

Client: EA Engineering Alb
Project: Dominguez Dairy 1

Sample ID: MB-65776 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65776 RunNo: 86140

Prep Date: 2/25/2022 Analysis Date: 2/28/2022 SeqNo: 3035672 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-65776 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 65776 RunNo: 86140

Prep Date: 2/25/2022 Analysis Date: 2/28/2022 SeqNo: 3035673 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202950** 

01-Mar-22

Client: EA Engineering Alb
Project: Dominguez Dairy 1

Sample ID: MB-65781 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: **PBW** Batch ID: **65781** RunNo: **86090** 

Prep Date: 2/24/2022 Analysis Date: 2/25/2022 SeqNo: 3033339 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65781 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65781 RunNo: 86090

Prep Date: 2/24/2022 Analysis Date: 2/25/2022 SeqNo: 3033340 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.8 1.0 10.00 0 98.0 80 120

Sample ID: 2202950-002AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: 624-01 Batch ID: 65781 RunNo: 86090

Prep Date: 2/24/2022 Analysis Date: 2/25/2022 SeqNo: 3033350 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.7 1.0 10.00 0 96.6 75 125

Sample ID: 2202950-002AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: 624-01 Batch ID: 65781 RunNo: 86090

Prep Date: 2/24/2022 Analysis Date: 2/25/2022 SeqNo: 3033351 Units: mg/L

Analyte **PQL** SPK Ref Val %REC %RPD **RPDLimit** Qual Result SPK value LowLimit HighLimit Nitrogen, Kjeldahl, Total 9.5 10.00 95.2 125 1.46

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 8



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name:	EA Engineering	Work Order Num	ber: 2202950		RcptNo: 1	
Received By:	Kasandra Payan	2/19/2022 10:15:00	) AM	14/2-		
Completed By:	Sean Livingston	2/21/2022 8:21:15	AM	He Sala	7	
Reviewed By:	484 2/2	1/22		Salin	of	
Chain of Custo	<u>ody</u>					
1. Is Chain of Cus	tody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sa	ample delivered?		FedEx			
<u>Log In</u>			_	_		
o. Was an attempt	made to cool the sample	s?	Yes 🗸	No 🗌	NA 🗌	
4. Were all sample	s received at a temperate	re of >0° C to 6.0°C	Yes 🗌	No 🔽	NA 🗆	
5. Sample(s) in pro	oper container(s)?		Yes ✓	No 🗌		
6. Sufficient sample	e volume for indicated tes	t(s)?	Yes 🗸	No 🗌		
7. Are samples (ex	cept VOA and ONG) prop	erly preserved?	Yes 🗸	No 🗌		
8. Was preservative	e added to bottles?		Yes	No 🗸	NA 🗌	Ð.
	t 1 vial with headspace <		Yes 🗌	No 🗆	NA 🗸	
10. Were any sampl	le containers received bro	ken?	Yes	No 🗸	# of preserved	
11. Does paperwork (Note discrepand	match bottle labels? sies on chain of custody)		Yes 🗹		bottles checked for pH:	nless noted)
	rectly identified on Chain	of Custody?	Yes 🗸	No 🗌	Adjusted?	
	nalyses were requested?		Yes 🗸	No 🗌		01 1
	times able to be met? omer for authorization.)		Yes 🗸	No 🗆	Checked by: J/	2211
Special Handling	g (if applicable)					
15. Was client notifie	ed of all discrepancies wi	h this order?	Yes	No 🗌	NA 🗹	
Person No	tified:	Date:		en e		
By Whom:		Via:	eMail Ph	one Fax	In Person	
Regarding	, f			Medical Composition of the	HATTING THE CHIEF CO. THE STATE CO.	
Client Instr					And the second s	
16. Additional remai	rks:					
17. Cooler Informa	The second secon					
	Temp °C Condition  0.5 Good	Seal Intact Seal No	Seal Date S	Signed By		
	0.5 Good					

	HALL ENVIRONMENTAL	WWW hallenvironmental com	4901 Hawkins NE - Alburanorm NIM 02400	nhnair -	345-5975 Fax 505-345-4107				OW C	300 10 C	SPA EPA	Sulfate   Sulfate   Dhospho	×									1 Frozen		
· · · · · · · · · · · · · · · · · · ·			4901 Hav	Tel 505	Tel. 303-	00	)& bo		OBG	1 00	)97 V	Nitrate/I TKN S/I	×	XXX	X	X   X   X	× ×	<u> </u>				Remarks: Not	Ž	
Turn-Around Time:	☑ Standard □ Rush	j.,	Dominguez Dairy 1	Project #:		Project Manager:	Gina Mullen		Sampler: Angel Nieto Rivera	olers: 1	Cooler Temp(including cF): -() -( -() - 0.1 = -0.5	Container Preservative HEAL No. Type and # Type			803					7		Received by: Via: Date Time R	Received by: Via: Date Time	- 1
Shain-of-Custody Record	Client:	Science, and Technology		320 Gold Ave SW Suite	5-4279	en@eaest.com	ige:	☐ Standard ☐ Level 4 (Full Validation)	☐ Az Compliance ☐ Other			Date Time Matrix Sample Name	2-18 10:19 GW 624-11	2-18 11:45 GW 624-01	2-18 13:20 Gw 624-02	2-18 14:24 GW 624-10	2-18 15:35 Gw 624-09					Time: Relinquished by:	Relinquished by:	

ntal may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 10, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX

RE: Big Sky Dairy OrderNo.: 2203014

#### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/1/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order **2203014**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/10/2022

CLIENT: EA Engineering Client Sample ID: 833-10

**Project:** Big Sky Dairy
 Collection Date: 2/28/2022 11:36:00 AM

 **Lab ID:** 2203014-001
 Matrix: GROUNDWA
 Received Date: 3/1/2022 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF Date Analyzed B	Batch
EPA METHOD 300.0: ANIONS					Analyst: C	CAS
Chloride	890	50	*	mg/L	100 3/1/2022 11:42:14 PM R	R86178
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 3/1/2022 11:03:37 PM R	R86178
Nitrogen, Nitrate (As N)	1.0	1.0		mg/L	10 3/1/2022 11:03:37 PM R	R86178
Sulfate	570	50	*	mg/L	100 3/1/2022 11:42:14 PM R	R86178
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: <b>K</b>	(S
Total Dissolved Solids	2830	20.0	*	mg/L	1 3/8/2022 1:34:00 PM 6	55954
SM 4500 NORG C: TKN					Analyst: E	EKM
Nitrogen, Kjeldahl, Total	1.1	1.0		mg/L	1 3/4/2022 10:36:00 AM 6	55921

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

EA Engineering

**Client:** 

Nitrogen, Nitrate (As N)

Sulfate

# Hall Environmental Analysis Laboratory, Inc.

2.5

10

0.10

0.50

2.500

10.00

WO#: **2203014** 

10-Mar-22

Project:	Big Sky Dairy									
Sample ID: MB	Samp	Type: <b>m</b> k	olk	Tes	tCode: El	PA Method	300.0: Anions	}		
Client ID: PBW	Bat	ch ID: R8	6178	F	RunNo: 80	6178				
Prep Date:	Analysis	Date: 3/	1/2022	S	SeqNo: 30	037561	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								
Sample ID: LCS	Samp	Type: Ics	3	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: LCSW	Bat	ch ID: R8	6178	F	RunNo: 80	6178				
Prep Date:	Analysis	Date: 3/	1/2022	9	SeqNo: 30	037562	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.0	90	110			
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	97.6	90	110			

Sample ID: 2203014-001AMS	SampT	ype: <b>ms</b>	<b>;</b>	Tes	tCode: El	PA Method	300.0: Anions	6		
Client ID: 833-10	Batch	1D: <b>R8</b>	6178	F	RunNo: 8	6178				
Prep Date:	Analysis D	ate: 3/	1/2022	8	SeqNo: 3	037610	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	9.6	1.0	10.00	0.1540	94.5	83.4	105			
Nitrogen, Nitrate (As N)	26	1.0	25.00	1.034	101	93.5	110			

0

0

100

100

90

90

110

110

Sample ID: 2203014-001AMSD	SampT	ype: <b>ms</b>	sd	Tes	tCode: El	PA Method	300.0: Anions	;		
Client ID: 833-10	Batch	ID: <b>R8</b>	6178	F	RunNo: 8	6178				
Prep Date:	Analysis D	ate: 3/	1/2022	8	SeqNo: 3	037611	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	9.5	1.0	10.00	0.1540	93.6	83.4	105	0.889	20	
Nitrogen, Nitrate (As N)	26	1.0	25.00	1.034	100	93.5	110	0.509	20	

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203014** 

10-Mar-22

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-65954 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65954 RunNo: 86313

Prep Date: 3/4/2022 Analysis Date: 3/8/2022 SeqNo: 3043808 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-65954 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 65954 RunNo: 86313

Prep Date: 3/4/2022 Analysis Date: 3/8/2022 SegNo: 3043809 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1030 20.0 1000 0 103 80 120

Sample ID: 2203014-001ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 833-10 Batch ID: 65954 RunNo: 86313

Prep Date: 3/4/2022 Analysis Date: 3/8/2022 SeqNo: 3043815 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 2820 20.0 0.354 10 \*

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203014** 

10-Mar-22

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-65921 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65921 RunNo: 86251

Prep Date: 3/3/2022 Analysis Date: 3/4/2022 SeqNo: 3040891 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65921 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65921 RunNo: 86251

Prep Date: 3/3/2022 Analysis Date: 3/4/2022 SeqNo: 3040892 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: EA Engineer	ring Work O	rder Number: 220	3014		RcptNo	: 1
Received By: Kasandra F	Payan 3/1/2022 9	9:45:00 AM		Heft-		
Completed By: Sean Living	gston 3/1/2022 1	10:01:35 AM		4/h S.L.	/	
Reviewed By: JR 3 (1)	122			Dr-U1	731-	
Chain of Custody						
1. Is Chain of Custody comple	te?	Yes	<b>V</b>	No 🗌	Not Present	
2. How was the sample deliver	red?	Fed	<u>IEx</u>			
Log In						
3. Was an attempt made to co	ol the samples?	Yes	· 🗸	No 🗌	NA 🗌	
4. Were all samples received a	at a temperature of >0° C to	6.0°C Yes	<b>~</b>	No 🗌	NA 🗆	
5. Sample(s) in proper contained	er(s)?	Yes	✓	No 🗌		
6. Sufficient sample volume for	indicated test(s)?	Yes	<b>V</b>	No 🗌		
7. Are samples (except VOA ar	nd ONG) properly preserved?	Yes	<b>✓</b>	No 🗌		
8. Was preservative added to b	pottles?	Yes		No 🔽	NA 🗌	
9. Received at least 1 vial with	headspace <1/4" for AQ VOA	A? Yes		No 🗌	NA 🗸	
10. Were any sample containers	s received broken?	Yes		No 🗹	# of preserved	
11. Does paperwork match bottle		Yes	<b>~</b>	No 🗆	bottles checked for pH:	1
(Note discrepancies on chair 2. Are matrices correctly identif		Yes		No 🗆	Adjusted?	>12 unless noted)
3. Is it clear what analyses were	**************************************	Yes		No 🗆		My SI
4. Were all holding times able to (If no, notify customer for aut	o be met?	Yes		No 🗆	Checked by:	KRG 21
Special Handling (if appli	00 (1990 )					3/1/22
15. Was client notified of all disc		Yes		No 🗌	NA 🗹	
Person Notified:		Date:		SHARING AND ADDRESS OF THE PARTY OF THE PART		
By Whom:	ALL TRANSPORTED AND ADDRESS OF THE PROPERTY OF	Via: eM	lail 🗌 P	none 🗌 Fax	☐ In Person	
Regarding: Client Instructions:						
16. Additional remarks:						
17. Cooler Information Cooler No Temp °C	Condition Seal Intact S	Seal No Seal D	Pate	Signed By		

S	hain	-ot-C	Chain-of-Custody Record	Turn-Around Time:	Time:												
Client:				- □-Standard	l Rush				Y Z	_     		HALL ENVIRONMENTAL	N		F	A G	
EA Eng	EA Engineering,	3, Science	Science, and Technology	Project:								WANTE TOTAL LABORALORY WANTE POLICY COMMON P		Y	9	¥	
Mailing	Mailing Address:	S:		Big Sky Dair	_		490.	T Z	kins	7 - HZ		4901 Hawkins NE - Albiranarana NM 82400	NIM 87	200			
320 Gol	d Ave S	320 Gold Ave SW Suite		Project #:			<u>a</u>	505	505-345-3975	975	Fav	EI que, ININI 07	7 7 7	2 2			
Phone #:	<del>;;</del> .	505-715-4279	5-4279							An		Reguest	st				
email or Fax#:	r Fax#:		rmullen@eaest.com	Project Manager:	iger:		.00										
QA/QC Package:	Package.		7 - 11 - 12 - 12 - 13 - 13 - 13 - 13 - 13		Gina Mullen		E bod				8						
	מומ		☐ Level 4 (rull validation)					) 5	О		101						
Accreditation:	tation: 4C	□ Az Co □ Other	mpliance	Sampler: On Ice:	Angel Nieto Rivera	Rivera				C	∙09 ∀						
□ EDD (Type)	(Type)			# of Coolers:						300	EΕ						
				Cooler Temp(including CF):	(including CF): 0.9	10:10-				Aq:	rus	fur					
				Container	Preservative	HEAL No		V SM oride	WS S	ate E	oyds	lus le					
Date	Time	Matrix	Sample Name	Type and #	Type	7203014				lluS	оча	stoT					
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Date: T	Time:	Relinquíshed by:	-	Received by:	Via:	Date											
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 23, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Sunset Dairy OrderNo.: 2203016

#### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/1/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2203016** 

Date Reported: 3/23/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 257-01

 Project:
 Sunset Dairy
 Collection Date: 2/28/2022 1:45:00 PM

 Lab ID:
 2203016-001
 Matrix: GROUNDWA
 Received Date: 3/1/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	870	50	*	mg/L	100	3/2/2022 12:01:52 PM	R86219
Sulfate	660	50	*	mg/L	100	3/2/2022 12:01:52 PM	R86219
Nitrate+Nitrite as N	35	2.0	*	mg/L	10	3/16/2022 10:27:37 AM	R86543
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	3400	100	*D	mg/L	1	3/8/2022 1:34:00 PM	65954
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/5/2022 8:20:00 AM	65957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
  - S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

Lab Order **2203016** 

Date Reported: 3/23/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 257-02

 Project:
 Sunset Dairy
 Collection Date: 2/28/2022 2:40:00 PM

 Lab ID:
 2203016-002
 Matrix: GROUNDWA
 Received Date: 3/1/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	600	50	*	mg/L	100	3/2/2022 12:27:37 PM	R86219
Sulfate	420	50	*	mg/L	100	3/2/2022 12:27:37 PM	R86219
Nitrate+Nitrite as N	9.4	1.0		mg/L	5	3/11/2022 1:12:57 PM	R86442
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	2440	40.0	*D	mg/L	1	3/8/2022 1:34:00 PM	65954
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/5/2022 8:20:00 AM	65957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2203016** 

Date Reported: 3/23/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: MW-4

 Project:
 Sunset Dairy
 Collection Date: 2/28/2022 3:58:00 PM

 Lab ID:
 2203016-003
 Matrix: GROUNDWA
 Received Date: 3/1/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	MRA
Chloride	1300	50	*	mg/L	100	3/2/2022 1:19:06 PM	R86219
Sulfate	940	50	*	mg/L	100	3/2/2022 1:19:06 PM	R86219
Nitrate+Nitrite as N	1.3	1.0		mg/L	5	3/11/2022 1:25:22 PM	R86442
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	4150	100	*D	mg/L	1	3/8/2022 1:34:00 PM	65954
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/5/2022 8:20:00 AM	65957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
  - S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

EA Engineering

**Client:** 

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2203016** 

23-Mar-22

Project:	Sunset Dairy							
Sample ID: MB	SampType: mblk TestCode: EPA Method 300.0: Anions							
Client ID: PBW	Batch ID: <b>R86219</b> RunNo: <b>86219</b>							
Prep Date:	Analysis Date: 3/2/2022 SeqNo: 3039048 Units: mg/L							
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual							
Chloride	ND 0.50							
Sulfate	ND 0.50							
Sample ID: LCS	SampType: Ics TestCode: EPA Method 300.0: Anions							
Client ID: LCSW	Batch ID: <b>R86219</b> RunNo: <b>86219</b>							
Prep Date:	Analysis Date: 3/2/2022 SeqNo: 3039049 Units: mg/L							
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual							
Chloride	4.7 0.50 5.000 0 93.3 90 110							
Sulfate	9.9 0.50 10.00 0 99.4 90 110							
Sample ID: MB	SampType: mblk TestCode: EPA Method 300.0: Anions							
Client ID: PBW	Batch ID: <b>R86442</b> RunNo: <b>86442</b>							
Prep Date:	Analysis Date: 3/11/2022 SeqNo: 3049631 Units: mg/L							
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual							
Nitrate+Nitrite as N	ND 0.20							
Sample ID: LCS	SampType: Ics TestCode: EPA Method 300.0: Anions							
Client ID: LCSW	Batch ID: <b>R86442</b> RunNo: <b>86442</b>							
Prep Date:	Analysis Date: 3/11/2022 SeqNo: 3049632 Units: mg/L							
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual							
Nitrate+Nitrite as N	3.6 0.20 3.500 0 102 90 110							
Sample ID: MB	SampType: mblk TestCode: EPA Method 300.0: Anions							
Client ID: PBW	Batch ID: <b>R86543</b> RunNo: <b>86543</b>							
Prep Date:	Analysis Date: 3/16/2022 SeqNo: 3054394 Units: mg/L							
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual							
Nitrate+Nitrite as N	ND 0.20							
Sample ID: LCS	SampType: Ics TestCode: EPA Method 300.0: Anions							
Client ID: LCSW	Batch ID: <b>R86543</b> RunNo: <b>86543</b>							
Prep Date:	Analysis Date: 3/16/2022 SeqNo: 3054395 Units: mg/L							
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual							
Nitrate+Nitrite as N	3.5 0.20 3.500 0 101 90 110							

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
  - RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

1030

WO#: 2203016

23-Mar-22

**Client:** EA Engineering **Project:** Sunset Dairy

**Total Dissolved Solids** 

Sample ID: MB-65954 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 65954 RunNo: 86313

Prep Date: 3/4/2022 Analysis Date: 3/8/2022 SeqNo: 3043808 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-65954 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

1000

Client ID: LCSW Batch ID: 65954 RunNo: 86313

20.0

Prep Date: 3/4/2022 Analysis Date: 3/8/2022 SeqNo: 3043809 Units: mg/L

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result PQL HighLimit Qual 0

103

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 5 of 6

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203016** 

23-Mar-22

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-65957 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65957 RunNo: 86281

Prep Date: 3/4/2022 Analysis Date: 3/5/2022 SeqNo: 3042092 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65957 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65957 RunNo: 86281

Prep Date: 3/4/2022 Analysis Date: 3/5/2022 SeqNo: 3042093 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: **EA** Engineering Work Order Number: 2203016 RcptNo: 1 Her Son Logot Received By: Kasandra Payan 3/1/2022 9:45:00 AM Completed By: Sean Livingston 3/1/2022 10:12:52 AM Reviewed By: Jn 3/1/22 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No  $\square$ Not Present 2. How was the sample delivered? FedEx Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA  $\square$ 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗸 NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 8. Was preservative added to bottles? Yes No 🗸 NA  $\square$ 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA 🗸 Yes 10. Were any sample containers received broken? No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) unless noted) Adjusted No  $\square$ 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 14. Were all holding times able to be met? No 🗌 Yes 🗸 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 0.7 Good

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Client:				- □-∕Standard	□ Rush				I		HALL ENVIRONMENTA	<b>5</b> !	2 <u>5</u>	Z	M 2		¥ 5	. 3	
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email (	email or Fax#:		rmullen@eaest.com	Project Manager:	ger:		.00											_	100
QA/QC	QA/QC Package:				Gina Mullen		)6 bc												
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				Cooler Temp(including CF):	including CF). O.S	3-0.1-0.7	Vitrite	97 1					ınıır						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO.	Nitrate/I	TKN SI	Chloride	TDS SN Sulfate		ydsoy <sub>C</sub>	Total Su						
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 15, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Del Oro Dairy OrderNo.: 2203097

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/2/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2203097** 

Date Reported: 3/15/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-02

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2022 11:10:00 AM

 Lab ID:
 2203097-001
 Matrix: AQUEOUS
 Received Date: 3/2/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	MRA
Chloride	300	50	*	mg/L	100	3/2/2022 10:02:46 PM	R86219
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/2/2022 9:50:26 PM	R86219
Nitrogen, Nitrate (As N)	5.0	1.0		mg/L	10	3/2/2022 9:50:26 PM	R86219
Sulfate	140	5.0		mg/L	10	3/2/2022 9:50:26 PM	R86219
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	1060	20.0	*	mg/L	1	3/9/2022 6:51:00 PM	66018
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/5/2022 8:20:00 AM	65957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

Lab Order **2203097** 

Date Reported: 3/15/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-04

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2022 12:35:00 PM

 Lab ID:
 2203097-002
 Matrix: AQUEOUS
 Received Date: 3/2/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	570	50	*	mg/L	100	3/2/2022 10:28:31 PM	R86219
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/2/2022 10:15:38 PM	R86219
Nitrogen, Nitrate (As N)	29	1.0	*	mg/L	10	3/2/2022 10:15:38 PM	R86219
Sulfate	380	5.0	*	mg/L	10	3/2/2022 10:15:38 PM	R86219
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	2460	100	*D	mg/L	1	3/9/2022 6:51:00 PM	66018
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/5/2022 8:20:00 AM	65957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Lab Order **2203097** 

Date Reported: 3/15/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-09

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2022 2:50:00 PM

 Lab ID:
 2203097-003
 Matrix: AQUEOUS
 Received Date: 3/2/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	MRA
Chloride	360	50	*	mg/L	100	3/2/2022 10:54:15 PM	R86219
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/2/2022 10:41:23 PM	R86219
Nitrogen, Nitrate (As N)	8.5	1.0		mg/L	10	3/2/2022 10:41:23 PM	R86219
Sulfate	210	5.0		mg/L	10	3/2/2022 10:41:23 PM	R86219
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	1460	20.0	*	mg/L	1	3/9/2022 6:51:00 PM	66018
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/5/2022 8:20:00 AM	65957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203097** 

15-Mar-22

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB	SampT	ype: <b>mb</b>	lk	Tes	tCode: <b>EF</b>	PA Method	300.0: Anions			
Client ID: PBW	Batch	n ID: <b>R8</b>	6219	F	RunNo: 80	6219				
Prep Date:	Analysis D	ate: <b>3/</b> 2	2/2022	8	SeqNo: 30	039048	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								

Sample ID: LCS	SampT	ype: Ics	;	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: LCSW	Batch	n ID: <b>R8</b>	6219	F	RunNo: 80	6219				
Prep Date:	Analysis D	ate: 3/	2/2022	9	SeqNo: 30	039049	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	93.3	90	110			
Nitrogen, Nitrite (As N)	0.97	0.10	1.000	0	97.1	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.2	90	110			
Sulfate	9.9	0.50	10.00	0	99.4	90	110			

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203097** 

15-Mar-22

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-66018 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66018 RunNo: 86362

Prep Date: 3/8/2022 Analysis Date: 3/9/2022 SeqNo: 3045880 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66018 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66018 RunNo: 86362

Prep Date: 3/8/2022 Analysis Date: 3/9/2022 SeqNo: 3045881 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1040 20.0 1000 0 104 80 120

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203097** 

15-Mar-22

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-65957 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65957 RunNo: 86281

Prep Date: 3/4/2022 Analysis Date: 3/5/2022 SeqNo: 3042092 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65957 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65957 RunNo: 86281

Prep Date: 3/4/2022 Analysis Date: 3/5/2022 SeqNo: 3042093 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

Sample ID: 2203097-003AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: 692-09 Batch ID: 65957 RunNo: 86281

Prep Date: 3/4/2022 Analysis Date: 3/5/2022 SeqNo: 3042105 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.8 1.0 10.00 0 98.0 75 125

Sample ID: 2203097-003AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: 692-09 Batch ID: 65957 RunNo: 86281

Prep Date: 3/4/2022 Analysis Date: 3/5/2022 SeqNo: 3042106 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.5 1.0 10.00 0 95.2 75 125 2.90 20

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: EA Engineering	Work Order Number:	220	3097		RcptNo:	1
Received By: Cheyenne Cason	3/2/2022 9:30:00 AM			Chul		
Completed By: Tracy Casarrubias	3/2/2022 11:30:54 AM					
Reviewed By: Jn 3/2/22						
Chain of Custody						
1. Is Chain of Custody complete?		Yes	<b>✓</b>	No 🗌	Not Present	
2. How was the sample delivered?		Fedl	<u>Ex</u>			
<u>Log In</u>						
3. Was an attempt made to cool the samples?		Yes	<b>✓</b>	No 🗌	NA 🗌	
4. Were all samples received at a temperature of	of >0° C to 6.0°C	Yes	<b>✓</b>	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?		Yes	V	No 🗌		
6. Sufficient sample volume for indicated test(s)	?	Yes	<b>✓</b>	No 🗌		
7. Are samples (except VOA and ONG) properly	preserved?	Yes	<b>✓</b>	No 🗌		
8. Was preservative added to bottles?		Yes		No 🗸	NA 🗆	
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes		No 🗌	NA 🗹	
10. Were any sample containers received broker	1?	Yes		No 🔽	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	,	Yes	<b>V</b>	No 🗆	bottles checked for pH:	12 unless noted)
12. Are matrices correctly identified on Chain of C	Custody?	Yes	<b>✓</b>	No 🗌	Adjusted? No	1
13. Is it clear what analyses were requested?	,	Yes	<b>✓</b>	No 🗆		
14. Were all holding times able to be met? (If no, notify customer for authorization.)	3	Yes	<b>✓</b>	No 🗌	Checked by: CM	c 3/2/a
Special Handling (if applicable)						
15. Was client notified of all discrepancies with the	nis order?	Yes		No 🗌	NA 🗹	
Person Notified:	Date:	NIO GROSTA		openional social		
By Whom:	Via:	еМа	ail 🗌 Phoi	ne 🗌 Fax	☐ In Person	
Regarding: Client Instructions:		in makening				
16. Additional remarks:						
17. Cooler Information  Cooler No Temp °C Condition Se.	al Intact   Seal No   Se	al Da	ate Si	gned By		
	Present	ai De	310	gried by		

	Chair	1-of-C	Chain-of-Custody Record	Turn-Around Time:											
Client:	نب			Standard Bush	sh					M	HALL ENVIRONMENTAL	M	Z	AL	
EAE	EA Engineering,	g, Science	Science, and Technology								AINAIL TSIS LABORATORY	0,	D L	R	
Mailir	Mailing Address:	.ss:		Del Oro Dairy		4901	Howe	4901 Hawkins NE				1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
320 G	320 Gold Ave SW Suite	SW Suite		Project #:			FOF 2	FOE 24E 207E	י ו	dnerd	- Albuquerque, NINI 87109	301.78	_		
Phone #:	e #:	505-715-4279	-4279			<u>.</u>	S-COC	180-04	Analy	Analysis Regulest	505-345-4107 Regulast	10/			
email	email or Fax#:		rmullen@eaest.com	Project Manager:		.00				200	למבפו	_			
QA/Q	QA/QC Package:	'n:		Gina Mullen	_	9E P									
□ St	□ Standard		☐ Level 4 (Full Validation)			_	_	(		80					
Accreditation NELAC	Accreditation:	□ Az Co □ Other	mpliance	Sampler: Angel Nieto Rivera	S Rivera					)109 A					
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Date:	Time:	Relinquished by:		Received by:											
3-(	16:40		2	Ę)	17:17.7 (930)	Remarks:									
)ate:	Time:	Relinquished by:		Received by: Via:	1										
	If necessary,	samples subn	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	ntracted to other accredited laboratori	ies. This serves as notice of this	possibility. Any	sub-contr	acted data	will be cl	early nota	ited on the	analytica	l report.		



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 22, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX

RE: Del Oro Dairy OrderNo.: 2203237

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/3/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order 2203237

Date Reported: 3/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-05

 Project:
 Del Oro Dairy
 Collection Date: 3/2/2022 10:10:00 AM

 Lab ID:
 2203237-001
 Matrix: AQUEOUS
 Received Date: 3/3/2022 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	400	50	*	mg/L	100	3/4/2022 3:38:29 AM	R86224
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/4/2022 3:26:04 AM	R86224
Nitrogen, Nitrate (As N)	16	1.0	*	mg/L	10	3/4/2022 3:26:04 AM	R86224
Sulfate	270	5.0	*	mg/L	10	3/4/2022 3:26:04 AM	R86224
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	1550	40.0	*D	mg/L	1	3/10/2022 2:14:00 PM	66053
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/8/2022 10:31:00 AM	65990

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

### Lab Order 2203237

Date Reported: 3/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-06

 Project:
 Del Oro Dairy
 Collection Date: 3/2/2022 11:55:00 AM

 Lab ID:
 2203237-002
 Matrix: AQUEOUS
 Received Date: 3/3/2022 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	400	50	*	mg/L	100	3/4/2022 4:03:17 AM	R86224
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/4/2022 3:50:53 AM	R86224
Nitrogen, Nitrate (As N)	3.7	1.0		mg/L	10	3/4/2022 3:50:53 AM	R86224
Sulfate	200	5.0		mg/L	10	3/4/2022 3:50:53 AM	R86224
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	1380	40.0	*D	mg/L	1	3/10/2022 2:14:00 PM	66053
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/8/2022 10:31:00 AM	65990

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

### Lab Order 2203237

Date Reported: 3/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-07

 Project:
 Del Oro Dairy
 Collection Date: 3/2/2022 2:20:00 PM

 Lab ID:
 2203237-003
 Matrix: AQUEOUS
 Received Date: 3/3/2022 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LRN
Chloride	510	50	*	mg/L	100	3/4/2022 4:28:06 AM	R86224
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/4/2022 4:15:42 AM	R86224
Nitrogen, Nitrate (As N)	2.5	1.0		mg/L	10	3/4/2022 4:15:42 AM	R86224
Sulfate	200	5.0		mg/L	10	3/4/2022 4:15:42 AM	R86224
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	1530	100	*D	mg/L	1	3/10/2022 2:14:00 PM	66053
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/8/2022 10:31:00 AM	65990

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

Lab Order 2203237

Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/22/2022

**CLIENT:** EA Engineering Client Sample ID: 692-08

Del Oro Dairy Collection Date: 3/2/2022 4:35:00 PM Project: 2203237-004 Matrix: AQUEOUS Received Date: 3/3/2022 9:55:00 AM Lab ID:

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	390	50	*	mg/L	100	3/4/2022 4:52:54 AM	R86224
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/4/2022 4:40:30 AM	R86224
Nitrogen, Nitrate (As N)	5.0	1.0		mg/L	10	3/4/2022 4:40:30 AM	R86224
Sulfate	190	5.0		mg/L	10	3/4/2022 4:40:30 AM	R86224
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	1370	20.0	*	mg/L	1	3/10/2022 2:14:00 PM	66053
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/8/2022 10:31:00 AM	65990

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203237** 

22-Mar-22

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: R86224 RunNo: 86224 Analysis Date: 3/3/2022 Prep Date: SeqNo: 3040704 Units: mg/L Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Chloride ND 0.50 Nitrogen, Nitrite (As N) ND 0.10 Nitrogen, Nitrate (As N) ND 0.10 Sulfate 0.50 ND

Sample ID: LCS	SampT	ype: <b>Ics</b>	i	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: LCSW	Batch	n ID: <b>R8</b>	6224	F	RunNo: 8	6224				
Prep Date:	Analysis D	ate: 3/3	3/2022	S	SeqNo: 3	040705	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	96.4	90	110			
Nitrogen, Nitrite (As N)	1.0	0.10	1.000	0	102	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	103	90	110			
Sulfate	9.6	0.50	10.00	0	96.2	90	110			

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203237** 

22-Mar-22

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-66053 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66053 RunNo: 86390

Prep Date: 3/9/2022 Analysis Date: 3/10/2022 SeqNo: 3047071 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66053 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66053 RunNo: 86390

Prep Date: 3/9/2022 Analysis Date: 3/10/2022 SeqNo: 3047072 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1030 20.0 1000 0 103 80 120

Sample ID: 2203237-004ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 692-08 Batch ID: 66053 RunNo: 86390

Prep Date: 3/9/2022 Analysis Date: 3/10/2022 SeqNo: 3047091 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1370 20.0 0.219 10 \*

### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 7

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203237** 

22-Mar-22

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-65990 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 65990 RunNo: 86319

Prep Date: 3/7/2022 Analysis Date: 3/8/2022 SeqNo: 3043961 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-65990 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 65990 RunNo: 86319

Prep Date: 3/7/2022 Analysis Date: 3/8/2022 SeqNo: 3043962 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 80 120

Sample ID: 2203237-002AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: 692-06 Batch ID: 65990 RunNo: 86319

Prep Date: 3/7/2022 Analysis Date: 3/8/2022 SeqNo: 3043966 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Attalyte
 Result
 FQL
 SPR value
 SPR value
 OREC
 LowLittle
 Ingricitie
 WRFD
 REDLITIE
 Qual

 Nitrogen, Kjeldahl, Total
 9.5
 1.0
 10.00
 0
 95.2
 75
 125

Sample ID: 2203237-002AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: 692-06 Batch ID: 65990 RunNo: 86319

Prep Date: 3/7/2022 Analysis Date: 3/8/2022 SeqNo: 3043967 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 0 99.4 75 125 4.32 20

### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 7



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

TEL: 505-345-3975 FAX: 505-345-4107

		Website: clients.h	allenvironment	al.com		
Client Name:	EA Engineering	Work Order Numbe	r: 2203237		RcptNo: 1	
Received By:	Tracy Casarrubias	3/3/2022 9:55:00 AM				
Completed By:	Tracy Casarrubias	3/3/2022 11:59:45 AM	1			
Reviewed By:	ove	3/3/22				
Chain of Cus	tody					
1. Is Chain of C	ustody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the	sample delivered?		Client			
Log In	npt made to cool the sampl				_	
o. was an allen	ipt made to cool the sampl	es?	Yes 🗸	No 🗌	NA 🗌	
4. Were all samp	oles received at a temperat	cure of >0° C to 6.0°C	Yes  Samples No	No 🗹	NA 🗆	
5. Sample(s) in p	proper container(s)?		Samples No Yes ✓	No		
6. Sufficient sam	ple volume for indicated te	st(s)?	Yes 🗸	No 🗌		
7. Are samples (	except VOA and ONG) pro	perly preserved?	Yes 🗸	No 🗌		
8. Was preservat	tive added to bottles?		Yes	No 🔽	NA 🗆	
9. Received at lea	ast 1 vial with headspace <	<1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any sam	nple containers received br	oken?	Yes	No 🗸		
	rk match bottle labels? ncies on chain of custody)		Yes 🗸	No 🗆	# of preserved bottles checked for pH:	*
	orrectly identified on Chain	of Custody?	Yes 🗹	No 🗆	<b>•</b> ,	nless noted)
	analyses were requested?	-	Yes ✓ Yes ✓	No 🗌	Adjusted?	
14. Were all holdin	g times able to be met? stomer for authorization.)		Yes ✓	No 🗆	Checked by: 7	3/3/22
Special Handli	ng (if applicable)					
	ified of all discrepancies w	ith this order?	Yes	No 🗌	NA 🗸	
Person N	Notified:	Date:				
By Whor	m: [	Via:	eMail F	Phone  Fax	In Person	
Regardir	ng:		out the court of t		STATE OF THE PROPERTY OF THE P	
Client Ins	structions:			THE STATE OF SALES AND SALES AND ADDRESS.	AND THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY.	
16. Additional rem	narks:					
17. <u>Cooler Inforn</u>	nation					
Cooler No	Temp °C Condition	Seal Intact   Seal No   Seal No   Seal Intact   Seal No   Seal No	eal Date	Signed By		

Signed By

-0.7

Good

Not Present

	Chair	2-o-c	Chain-of-Custody Record	Turn-Around Time:	ime:				1								
Client:	اير			Standard     Standard	□ Rush				I			HALL ENVIRONMENTAL	ZZ	AEN A	L	4	
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320 G	Sold Ave	320 Gold Ave SW Suite		Project #:			1084	בו וס	VKINS	NE - P	nbnar	Albuquerque, NM 87109	NM 87	109			
Phone #:	e #:	505-715-4279	5-4279					21. 000	000-040-000	Ans	Wafa	Analysis Regulest	5-4107				1100
email	email or Fax#:		rmullen@eaest.com	Project Manager:	er:		.00						;	_		_	100
QA/QC	QA/QC Package:	à:		,	Gina Mullen		9E P										
□ St	□ Standard		☐ Level 4 (Full Validation)				оцзе	2	(		80						
Accre	Accreditation:		mpliance	Sampler: A	Angel Nieto Rivera	Rivera	M Aq			(	)109 A						
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				Cooler Temp(including CF):	cluding CF): -G	7-80-7	Vitrite			AG	orus	lfur					
Date	Time	Matrix	Sample Name	Container P	Preservative Type	HEAL NO.	Vitrate/N	KN SV	.DS SN	ulfate l	ydsoy	otal Su					
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Date:	Time:	Relinquished by		Received by:	Via:	Date Time											
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 25, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies OrderNo.: 2203335

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/4/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order **2203335**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/25/2022

CLIENT: EA Engineering Client Sample ID: DAD-01

 Project:
 Dona Ana Dairies
 Collection Date: 3/3/2022 11:52:00 AM

 Lab ID:
 2203335-001
 Matrix: GROUNDWA
 Received Date: 3/4/2022 9:00:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	420	50	*	mg/L	100	3/4/2022 7:17:45 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/4/2022 7:05:25 PM
Nitrogen, Nitrate (As N)	20	1.0	*	mg/L	10	3/4/2022 7:05:25 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: CJS
Total Dissolved Solids	1750	40.0	*D	mg/L	1	3/11/2022 3:36:00 PM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/11/2022 3:23:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Lab Order **2203335**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/25/2022

CLIENT: EA Engineering Client Sample ID: DAD-12

 Project:
 Dona Ana Dairies
 Collection Date: 3/3/2022 2:05:00 PM

 Lab ID:
 2203335-002
 Matrix: GROUNDWA
 Received Date: 3/4/2022 9:00:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	950	50	*	mg/L	100	3/4/2022 7:42:27 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/4/2022 7:30:06 PM
Nitrogen, Nitrate (As N)	12	1.0	*	mg/L	10	3/4/2022 7:30:06 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: CJS
Total Dissolved Solids	3240	40.0	*D	mg/L	1	3/11/2022 3:36:00 PM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/11/2022 3:23:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Lab Order **2203335**

Date Reported: 3/25/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-13

 Project:
 Dona Ana Dairies
 Collection Date: 3/3/2022 3:25:00 PM

 Lab ID:
 2203335-003
 Matrix: GROUNDWA
 Received Date: 3/4/2022 9:00:00 AM

Analyses	Result RL C		ual Uni	s DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	740	50	* mg/	L 100	3/4/2022 8:31:51 PM
Nitrogen, Nitrite (As N)	ND	1.0	mg/	L 10	3/4/2022 8:19:30 PM
Nitrogen, Nitrate (As N)	9.0	1.0	mg/	L 10	3/4/2022 8:19:30 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: CJS
Total Dissolved Solids	2500	40.0	*D mg/	L 1	3/11/2022 3:36:00 PM
SM 4500 NORG C: TKN					Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	1.0	mg/	L 1	3/11/2022 3:23:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203335** 

25-Mar-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBW Batch ID: R86272 RunNo: 86272

Prep Date: Analysis Date: 3/4/2022 SeqNo: 3042009 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Chloride
 ND
 0.50

 Nitrogen, Nitrite (As N)
 ND
 0.10

 Nitrogen, Nitrate (As N)
 ND
 0.10

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R86272 RunNo: 86272

Prep Date: Analysis Date: 3/4/2022 SeqNo: 3042010 Units: mg/L

SPK value SPK Ref Val %REC %RPD Analyte Result PQL LowLimit HighLimit **RPDLimit** Qual Chloride 0.50 5.000 0 93.9 90 110 4.7 Nitrogen, Nitrite (As N) 0.98 0.10 1.000 0 97.6 90 110 0 100 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203335** 

25-Mar-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66093 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66093 RunNo: 86422

Prep Date: 3/10/2022 Analysis Date: 3/11/2022 SeqNo: 3048802 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66093 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66093 RunNo: 86422

Prep Date: 3/10/2022 Analysis Date: 3/11/2022 SeqNo: 3048803 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1000 20.0 1000 0 100 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203335** 

25-Mar-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66095 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66095 RunNo: 86438

Prep Date: 3/10/2022 Analysis Date: 3/11/2022 SeqNo: 3049608 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66095 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66095 RunNo: 86438

Prep Date: 3/10/2022 Analysis Date: 3/11/2022 SeqNo: 3049609 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 10 1.0 10.00 0 101 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: EA Engineering Work Order Number: 2203335 RcptNo: 1 Harring) Received By: Juan Rojas 3/4/2022 9:00:00 AM Completed By: Tracy Casarrubias 3/4/2022 11:32:02 AM Reviewed By: 3.4.22 IO Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? **FedEx** Log In 3. Was an attempt made to cool the samples? Yes 🗸 No  $\square$ NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗸 NA  $\square$ 5. Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No  $\square$ 7. Are samples (except VOA and ONG) properly preserved? ~ No 🗆 Yes 8. Was preservative added to bottles? No 🗸 Yes NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA 🗸 10. Were any sample containers received broken? Yes No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 Adjusted? 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 14. Were all holding times able to be met? Checked by: 1 3/4/22 Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 0.4 Good Not Present

	HALL ENVIRONMENTAL	www.hallenvironmental.com	4901 Hawkins NF - Albirulardia NM 87100	Tel 505-345-3075	Ina		. ;	D	00 00 00	00 40 00 30	1 254 1 254 2 EPA	Nitrate/N Chloride TDS SM Sulfate I Phospho	× × ×	X X X X X X X X X X X X X X X X X X X	XXX							Remarks:	
Turn-Around Time:	☑ Standard □ Rush		Dona Ana Dairies (DAD'S)	Project #:		Project Manager:	Gina Mullen		Sampler: Angel Nieto Rivera On Ice:	olers: /	Cooler Temp(including CF): (), b C. 2 - C	Container Preservative HEAL No. Type and # Type	2 000	200								Received by: Via: Date Time Rem	Date
Chain-of-Custody Record		Science, and Technology			505-715-4279	rmullen@eaest.com		☐ Level 4 (Full Validation)	☐ Az Compliance ☐ Other			Matrix Sample Name	6w DAD-01	6w DAD-12	GW DAD-13							Reinquished by:  (MML M.	Relinquished by:
Chain	Client:	EA Engineering,	Mailing Address:	320 Gold Ave SW Suite	Phone #:	email or Fax#:	QA/QC Package:	□ Standard	Accreditation:	☐ EDD (Type)_		Date Time	3.3 11:52	3-3 14:05	3-3 15:25				0	14	i	17:15	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 21, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Big Sky Dairy OrderNo.: 2203675

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/11/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2203675** 

Date Reported: 3/21/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-08

**Project:** Big Sky Dairy
 Collection Date: 3/10/2022 10:10:00 AM

 **Lab ID:** 2203675-001
 Matrix: AQUEOUS
 Received Date: 3/11/2022 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF 1	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	CAS
Chloride	1600	50	*	mg/L	100	3/11/2022 2:50:20 PM	R86436
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/11/2022 1:58:21 PM	R86436
Nitrogen, Nitrate (As N)	45	1.0	*	mg/L	10	3/11/2022 1:58:21 PM	R86436
Sulfate	600	50	*	mg/L	100	3/11/2022 2:50:20 PM	R86436
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	KS
Total Dissolved Solids	4200	40.0	*D	mg/L	1	3/18/2022 10:53:00 AM	66181
SM 4500 NORG C: TKN						Analyst:	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/18/2022 10:16:00 AM	66248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Lab Order **2203675** 

Date Reported: 3/21/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-05

**Project:** Big Sky Dairy
 Collection Date: 3/10/2022 11:30:00 AM

 **Lab ID:** 2203675-002
 Matrix: AQUEOUS
 Received Date: 3/11/2022 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	1200	50	*	mg/L	100	3/11/2022 4:07:06 PM	R86436
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/11/2022 3:54:14 PM	R86436
Nitrogen, Nitrate (As N)	45	1.0	*	mg/L	10	3/11/2022 3:54:14 PM	R86436
Sulfate	520	50	*	mg/L	100	3/11/2022 4:07:06 PM	R86436
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	3490	40.0	*D	mg/L	1	3/18/2022 10:53:00 AM	66181
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/18/2022 10:16:00 AM	66248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
  - S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2203675** 

Date Reported: 3/21/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-07

**Project:** Big Sky Dairy
 Collection Date: 3/10/2022 2:07:00 PM

 **Lab ID:** 2203675-003
 Matrix: AQUEOUS
 Received Date: 3/11/2022 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF I	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	1100	50	*	mg/L	100	3/11/2022 4:32:49 PM	R86436
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/11/2022 4:19:58 PM	R86436
Nitrogen, Nitrate (As N)	66	10	*	mg/L	100	3/11/2022 4:32:49 PM	R86436
Sulfate	590	50	*	mg/L	100	3/11/2022 4:32:49 PM	R86436
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	3580	40.0	*D	mg/L	1	3/18/2022 10:53:00 AM	66181
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/18/2022 10:16:00 AM	66248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

Lab Order **2203675** 

Date Reported: 3/21/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-09

**Project:** Big Sky Dairy
 Collection Date: 3/10/2022 3:22:00 PM

 **Lab ID:** 2203675-004
 Matrix: AQUEOUS
 Received Date: 3/11/2022 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF 1	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	CAS
Chloride	910	50	*	mg/L	100	3/11/2022 4:58:35 PM	R86436
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/11/2022 4:45:43 PM	R86436
Nitrogen, Nitrate (As N)	120	10	*	mg/L	100	3/11/2022 4:58:35 PM	R86436
Sulfate	830	50	*	mg/L	100	3/11/2022 4:58:35 PM	R86436
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	KS
Total Dissolved Solids	4160	40.0	*D	mg/L	1	3/18/2022 10:53:00 AM	66181
SM 4500 NORG C: TKN						Analyst:	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/18/2022 10:16:00 AM	66248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2203675** 

21-Mar-22

Client:	EA Engineering
Project:	Big Sky Dairy

Big Sky i	Jany									
Sample ID: MB	Sampl	Гуре: <b>mt</b>	olk	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: PBW	Batcl	h ID: <b>R8</b>	6436	F	RunNo: 8	6436				
Prep Date:	Analysis D	Date: <b>3/</b>	11/2022	5	SeqNo: 3	049547	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								
Sample ID: LCS	Sampl	Гуре: Ісѕ	•	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: LCSW	Batcl	h ID: <b>R8</b>	6436	F	RunNo: 8	6436				
Prep Date:	Analysis D	Date: <b>3/</b>	11/2022	9	SeqNo: 3	049548	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.7	90	110			
Nitrogen, Nitrite (As N)	0.99	0.10	1.000	0	98.9	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	101	90	110			
Sulfate	10	0.50	10.00	0	101	90	110			
Sample ID: 2203675-001AMS	Samp1	Гуре: т	<b>5</b>	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: 833-08	Batcl	h ID: <b>R8</b>	6436	F	RunNo: 8	6436				
Prep Date:	Analysis D	Date: <b>3/</b>	11/2022	9	SeqNo: 3	049557	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	9.2	1.0	10.00	0	91.6	83.4	105			
Nitrogen, Nitrate (As N)	71	1.0	25.00	45.14	105	93.5	110			
Sample ID: 2203675-001AMSI	D Samp1	Гуре: т	sd	Tes	tCode: EI	PA Method	300.0: Anions	3		
Client ID: 833-08	Batcl	h ID: <b>R8</b>	6436	F	RunNo: 8	6436				
Prep Date:	Analysis D	Date: <b>3/</b>	11/2022	5	SeqNo: 3	049558	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	9.1	1.0	10.00	0	90.9	83.4	105	0.734	20	
Nitrogen, Nitrate (As N)	71	1.0	25.00	45.14	102	93.5	110	1.11	20	

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2203675

21-Mar-22

**Client:** EA Engineering **Project:** Big Sky Dairy

**Total Dissolved Solids** 

Sample ID: MB-66181 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66181 RunNo: 86569

Prep Date: 3/16/2022 Analysis Date: 3/18/2022 SeqNo: 3055374 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66181 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

1000

Client ID: LCSW Batch ID: 66181 RunNo: 86569

20.0

1050

Prep Date: 3/16/2022 Analysis Date: 3/18/2022 SeqNo: 3055375 Units: mg/L

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Result PQL HighLimit Qual Analyte 0

105

80

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 6 of 7

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2203675

21-Mar-22

**Client:** EA Engineering **Project:** Big Sky Dairy

Nitrogen, Kjeldahl, Total

Sample ID: MB-66248 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66248 RunNo: 86574

Prep Date: 3/17/2022 Analysis Date: 3/18/2022 SeqNo: 3055683 Units: mg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66248 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66248 RunNo: 86574

1.0

9.7

Prep Date: 3/17/2022 Analysis Date: 3/18/2022 SeqNo: 3055684 Units: mg/L

10.00

PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte HighLimit Qual 0

96.6

80

120

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 7 of 7



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name:	EA Engineering	Work Order Numbe	r: 2203675		RcptNo: 1
Received By:	Kasandra Payan	3/11/2022 9:34:00 AN	1	Hift-	
Completed By:	Tracy Casarrubias	3/11/2022 9:54:00 AN		1/	
Reviewed By:	Cre	Blula	•		
Chain of Cus	tody				
1. Is Chain of C	ustody complete?		Yes 🗸	No 🗌	Not Present
. How was the	sample delivered?		<u>FedEx</u>		
Log In	npt made to cool the sample	•			_
vvas an atten	ipt made to cool the sample	S?	Yes 🗸	No 📙	NA 🗌
1. Were all samp	oles received at a temperatu	re of >0° C to 6.0°C	Yes	No 🗸	NA 🗆
5. Sample(s) in p	proper container(s)?		Samples not Yes ✓	No 🗌	
	ple volume for indicated tes		Yes 🗸	No 🗌	
	except VOA and ONG) prop	erly preserved?	Yes 🗸	No 🗌	
3. Was preservat	ive added to bottles?		Yes	No 🔽	NA 🗆
Received at lea	ast 1 vial with headspace <	/4" for AQ VOA?	Yes	No 🗌	NA 🗹
0. Were any sam	ple containers received bro	ken?	Yes	No 🗹	# of
1. Does paperwor (Note discrepa	rk match bottle labels?		Yes 🗸	No 🗌	# of preserved bottles checked for pH:  (<) or >12 unless noted
	orrectly identified on Chain	of Custody?	Yes 🗸	No 🗌	Adjusted?
	analyses were requested?		Yes 🗸	No 🗌	
Were all holding. (If no, notify cu	g times able to be met? stomer for authorization.)		Yes 🗸	No 🗌	Checked by: KVG S
	ng (if applicable)				
5. Was client noti	ified of all discrepancies wit	n this order?	Yes 🗌	No 🗌	NA 🗹
Person N	Notified:	Date:		CONTROL OF STREET STREET, CONTROL OF STREET, CONTRO	
By Whon		Via:	eMail P	hone  Fax	☐ In Person
Regardin		A CONTRACTOR OF THE PARTY OF TH			THE STANDARD STANDARD STANDARD STANDARD STANDARD
	structions:				THE STATE OF THE PARTY OF THE STATE OF THE S
6. Additional rem					
Cooler Inform		L. J. W. Wilson - Francisco -			
Cooler No	Temp °C Condition	Seal Intact Seal No Se	eal Date	Signed By	

Client:		HALL ENVIRONMENTAL
Clicile	⊡ Standard □ Rush	-
EA Engineering, Science, and Technology		O .
Mailing Address:	Big Sky Dairy	4901 Hawkins NE - Albuquerque, NM 87109
320 Gold Ave SW Suite	Project #:	01
Phone #: 505-715-4279		Anal
email or Fax#: rmullen@eaest.com	Project Manager:	
QA/QC Package:	Gina Mullen	
☐ Standard ☐ Level 4 (Full Validation)		D C
Accreditation:   Az Compliance	Sampler: Angel Nieto Rivera	DRG MOI
□ NELAC □ Other	On Ice: No INO	300 C 00
☐ EDD (Type)	# of Coolers: \	600 PA 640 A 30
	Cooler Temp(including CF): -0, 6 -0:-0.6	M 45 e EF M 25 EP/
	Preservative	rate/l N SM loridd S SM lfate
	1980 200 1980 19	C T S
10.10	28	\(\gamma\) \(\times\)
200	807	× × × ×
3-10 14:07 60 833-07	2 003	XXXXX
3-10 15:22 Ew 833-09	<i>\$</i> 0√	× × × × ×
Ties		
0 17:00	Received by Via: Date Time Via: Fedex 3/11/22 9:34	Remarks:
Date: Time: Relinquished by:	Date	

**Chain-of-Custody Record** 

Turn-Around Time:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 28, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX

RE: Dona Ana Dairies OrderNo.: 2203854

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/16/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order 2203854

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/28/2022

CLIENT: EA Engineering Client Sample ID: DAD-11

 Project:
 Dona Ana Dairies
 Collection Date: 3/15/2022 11:20:00 AM

 Lab ID:
 2203854-001
 Matrix: GROUNDWA
 Received Date: 3/16/2022 9:00:00 AM

Analyses	Result	PQL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	640	50	*	mg/L	100	3/16/2022 3:49:54 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/16/2022 3:12:51 PM
Nitrogen, Nitrate (As N)	11	1.0	*	mg/L	10	3/16/2022 3:12:51 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2850	20.0	*	mg/L	1	3/23/2022 11:39:00 AM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/24/2022 10:22:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Lab Order 2203854

Date Reported: 3/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-14

 Project:
 Dona Ana Dairies
 Collection Date: 3/15/2022 12:45:00 PM

 Lab ID:
 2203854-002
 Matrix: GROUNDWA
 Received Date: 3/16/2022 9:00:00 AM

Analyses	Result	PQL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	620	50	*	mg/L	100	3/16/2022 4:14:35 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/16/2022 4:02:14 PM
Nitrogen, Nitrate (As N)	17	1.0	*	mg/L	10	3/16/2022 4:02:14 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2670	100	*D	mg/L	1	3/23/2022 11:39:00 AM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/24/2022 10:22:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

porting Limit Page 2 of 6

### Lab Order 2203854

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/28/2022

CLIENT: EA Engineering Client Sample ID: DAD-23

 Project:
 Dona Ana Dairies
 Collection Date: 3/15/2022 3:00:00 PM

 Lab ID:
 2203854-003
 Matrix: GROUNDWA
 Received Date: 3/16/2022 9:00:00 AM

Analyses	Result	PQL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	620	50	*	mg/L	100	3/16/2022 4:39:17 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/16/2022 4:26:55 PM
Nitrogen, Nitrate (As N)	15	1.0	*	mg/L	10	3/16/2022 4:26:55 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2550	200	*D	mg/L	1	3/23/2022 11:39:00 AM
SM 4500 NORG C: TKN						Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/24/2022 10:22:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

1.0

25.00

11.02

WO#: **2203854** 

28-Mar-22

Client: Project:	EA Engineering Dona Ana Dairie	es								
Sample ID: MB	Sar	npType: <b>m</b> l	blk	Tes	tCode: El	PA Method	300.0: Anions	5		
Client ID: PBW	В	atch ID: R8	86543	F	RunNo: 8	6543				
Prep Date:	Analys	is Date: 3/	16/2022	5	SeqNo: 3	054394	Units: mg/L			
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	N	0.50								
Nitrogen, Nitrite (As N)	N	0.10								
Nitrogen, Nitrate (As N)	NE	0.10								
Sample ID: LCS	Sar	npType: Ics	<u> </u>	Tes	tCode: El	PA Method	300.0: Anions	\$		
Client ID: LCSW	В	atch ID: R8	86543	F	RunNo: 8	6543				
Prep Date:	Analys	is Date: 3/	16/2022	S	SeqNo: 3	054395	Units: mg/L			
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	8 0.50	5.000	0	95.7	90	110			
Nitrogen, Nitrite (As N)	0.98	8 0.10	1.000	0	98.5	90	110			
Nitrogen, Nitrate (As N)	2.0	6 0.10	2.500	0	103	90	110			
Sample ID: 2203854	<b>4-001AMS</b> Sar	mpType: <b>m</b> :	S	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: DAD-11	В	atch ID: R8	86543	F	RunNo: 8	6543				
Prep Date:	Analys	is Date: 3/	16/2022	5	SeqNo: 3	054418	Units: mg/L			
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	8.8	8 1.0	10.00	0	88.3	83.4	105			
Nitrogen, Nitrate (As N)	30	6 1.0	25.00	11.02	99.4	93.5	110			
Sample ID: 2203854	4-001AMSD Sar	трТуре: т	sd	Tes	tCode: El	PA Method	300.0: Anions	<u> </u>		
Client ID: DAD-11	В	atch ID: R8	86543	F	RunNo: 8	6543				
Prep Date:	Analys	is Date: 3/	16/2022	\$	SeqNo: 3	054419	Units: mg/L			
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	8.9	9 1.0	10.00	0	89.3	83.4	105	1.16	20	

#### Qualifiers:

Nitrogen, Nitrate (As N)

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

102

93.5

110

1.89

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

20

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203854** 

28-Mar-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66294 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66294 RunNo: 86672

Prep Date: 3/21/2022 Analysis Date: 3/23/2022 SegNo: 3060074 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66294 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66294 RunNo: 86672

Prep Date: 3/21/2022 Analysis Date: 3/23/2022 SegNo: 3060075 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1070 20.0 1000 0 107 80 120

Sample ID: 2203854-001ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: **DAD-11** Batch ID: **66294** RunNo: **86672** 

Prep Date: 3/21/2022 Analysis Date: 3/23/2022 SeqNo: 3060077 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 2850 20.0 0.0702 10 \*

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203854** 

28-Mar-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66347 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66347 RunNo: 86711

Prep Date: 3/23/2022 Analysis Date: 3/24/2022 SeqNo: 3061504 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66347 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66347 RunNo: 86711

Prep Date: 3/23/2022 Analysis Date: 3/24/2022 SeqNo: 3061505 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.7 1.0 10.00 0 96.6 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: EA Engineering Work Order Number: 2203854 RcptNo: 1 Received By: Salzota Sean Livingston 3/16/2022 9:00:00 AM Completed By: Tracy Casarrubias 3/16/2022 11:06:58 AM 3/16/22 Reviewed By: Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? **FedEx** Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗸 NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No  $\square$ 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 8. Was preservative added to bottles? No 🔽 Yes 🗌 NA  $\square$ 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🔲 NA V 10. Were any sample containers received broken? Yes No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Yes 🗸 No Checked by: Sec 3/16/22 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 2.2 Good Not Present

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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 29, 2022

Regina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies OrderNo.: 2203938

### Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/17/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order **2203938**

Date Reported: 3/29/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-02

 Project:
 Dona Ana Dairies
 Collection Date: 3/16/2022 10:55:00 AM

 Lab ID:
 2203938-001
 Matrix: GROUNDWA
 Received Date: 3/17/2022 9:00:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: <b>LRN</b>
Chloride	300	50 *	mg/L	100	3/17/2022 4:33:21 PM
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/17/2022 4:20:56 PM
Nitrogen, Nitrate (As N)	8.8	1.0	mg/L	10	3/17/2022 4:20:56 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: KS
Total Dissolved Solids	1230	40.0 *D	mg/L	1	3/24/2022 5:38:00 PM
SM 4500 NORG C: TKN					Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/28/2022 1:40:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

### Lab Order **2203938**

Date Reported: 3/29/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-03

 Project:
 Dona Ana Dairies
 Collection Date: 3/16/2022 11:50:00 AM

 Lab ID:
 2203938-002
 Matrix: GROUNDWA
 Received Date: 3/17/2022 9:00:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	330	50 *	mg/L	100	3/17/2022 5:23:01 PM
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/17/2022 5:10:36 PM
Nitrogen, Nitrate (As N)	ND	1.0	mg/L	10	3/17/2022 5:10:36 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: KS
Total Dissolved Solids	2070	200 *D	mg/L	1	3/24/2022 5:38:00 PM
SM 4500 NORG C: TKN					Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/28/2022 1:40:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Lab Order **2203938**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/29/2022

CLIENT: EA Engineering Client Sample ID: DAD-04

 Project:
 Dona Ana Dairies
 Collection Date: 3/16/2022 1:15:00 PM

 Lab ID:
 2203938-003
 Matrix: GROUNDWA
 Received Date: 3/17/2022 9:00:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: <b>LRN</b>
Chloride	500	50 *	mg/L	100	3/17/2022 5:47:50 PM
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/17/2022 5:35:25 PM
Nitrogen, Nitrate (As N)	2.3	1.0	mg/L	10	3/17/2022 5:35:25 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: KS
Total Dissolved Solids	2510	40.0 *D	mg/L	1	3/24/2022 5:38:00 PM
SM 4500 NORG C: TKN					Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	1.3	1.0	mg/L	1	3/28/2022 1:40:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Lab Order **2203938**

Date Reported: 3/29/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-16

 Project:
 Dona Ana Dairies
 Collection Date: 3/16/2022 2:53:00 PM

 Lab ID:
 2203938-004
 Matrix: GROUNDWA
 Received Date: 3/17/2022 9:00:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: <b>LRN</b>
Chloride	490	50 *	mg/L	100	3/17/2022 6:12:40 PM
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/17/2022 6:00:15 PM
Nitrogen, Nitrate (As N)	ND	1.0	mg/L	10	3/17/2022 6:00:15 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: KS
Total Dissolved Solids	2100	40.0 *[	D mg/L	1	3/24/2022 5:38:00 PM
SM 4500 NORG C: TKN					Analyst: <b>EKM</b>
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/28/2022 1:40:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203938** 

29-Mar-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: R86579 RunNo: 86579 Prep Date: Analysis Date: 3/17/2022 SeqNo: 3055837 Units: mg/L Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result ND 0.50

 Chloride
 ND
 0.50

 Nitrogen, Nitrite (As N)
 ND
 0.10

 Nitrogen, Nitrate (As N)
 ND
 0.10

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: LCSW Batch ID: R86579 RunNo: 86579 Prep Date: Analysis Date: 3/17/2022 SeqNo: 3055838 Units: mg/L SPK value SPK Ref Val %REC %RPD Analyte Result PQL LowLimit HighLimit **RPDLimit** Qual Chloride 0.50 5.000 0 95.3 90 110 4.8 Nitrogen, Nitrite (As N) 0.98 0.10 1.000 0 98.3 90 110 0 101 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 90 110

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203938** 

29-Mar-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66350 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 66350 RunNo: 86728

Prep Date: 3/23/2022 Analysis Date: 3/24/2022 SeqNo: 3062125 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-66350 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 66350 RunNo: 86728

Prep Date: 3/23/2022 Analysis Date: 3/24/2022 SeqNo: 3062126 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 7

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203938** 

29-Mar-22

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-66405 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 66405 RunNo: 86787

Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3064556 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-66405 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 66405 RunNo: 86787

Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3064557 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Nitrogen, Kjeldahl, Total 9.8 1.0 10.00 0 98.0 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: **EA** Engineering Work Order Number: 2203938 RcptNo: 1 Received By: Juan Rojas 3/17/2022 9:00:00 AM Completed By: **Desiree Dominguez** 3/17/2022 9:43:36 AM Reviewed By: JU3/17/22 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? FedEx Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗸 NA 🗌 Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? ~ Yes No 8. Was preservative added to bottles? Yes No V NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No NA 🗸 10. Were any sample containers received broken? No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 Adjusted2 No 🗌 13. Is it clear what analyses were requested? Checked by: KPG 3/17/22 Yes 🗸 No 14. Were all holding times able to be met? Yes 🗸 No (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 0.7 Good

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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.