EA Engineering, Science,	and Technology, Inc., PBC		
	APPENI	DIX B	
	ANALYTICAL LABOF ectronic Format via CD	RATORY REPORTS Located on Front Cover	of Report)



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

March 24, 2023

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

RE: Sunset Dairy OrderNo.: 2303703

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/14/2023 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

Analytical Report

Lab Order 2303703

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 257- Lagoon

Project: Sunset Dairy **Collection Date:** 3/13/2023 2:55:00 PM 2303703-001 Matrix: AQUEOUS Lab ID: **Received Date:** 3/14/2023 8:47:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	1700	50	*	mg/L	100	3/15/2023 12:12:08 AM	R95284
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/14/2023 11:59:44 PM	R95284
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/14/2023 11:59:44 PM	R95284
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	6500	5000	*D	mg/L	1	3/20/2023 11:39:00 AM	73759
EPA METHOD 365.1: TOTAL PHOSPHOROUS						Analyst	: JMT
Phosphorus, Total (As P)	200	12	D	mg/L	5	3/16/2023 3:33:00 PM	73723
SM 4500 NORG C: TKN						Analyst	: CJS
Nitrogen, Kjeldahl, Total	1200	20	D	mg/L	1	3/23/2023 11:00:00 AM	73861
EPA METHOD 200.7: TOTAL METALS						Analyst	: VP
Sulfur	46	1.0		mg/L	1	3/20/2023 1:58:07 PM	73755

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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303703**

24-Mar-23

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-73755 SampType: MBLK TestCode: EPA Method 200.7: Total Metals
Client ID: PBW Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450810 Units: mg/L

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

Sulfur ND 1.0

Sample ID: LCSLL-73755 SampType: LCSLL TestCode: EPA Method 200.7: Total Metals
Client ID: BatchQC Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450811 Units: mg/L

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

Sulfur 1.0 1.0 1.000 0 102 50 150

Sample ID: LCS-73755 SampType: LCS TestCode: EPA Method 200.7: Total Metals

Client ID: LCSW Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450812 Units: mg/L

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

Sulfur 55 1.0 50.00 0 110 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303703

24-Mar-23

Client: EA Engineering **Project:** Sunset Dairy

Sample ID: MB	SampT	ype: mb	lk	Tes	tCode: EF	PA Method				
Client ID: PBW	Batcl	n ID: R9	5284	F	RunNo: 9	5284				
Prep Date:	Analysis D	Date: 3/1	14/2023	5	SeqNo: 34	146306	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		TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	F	RunNo: 9	5284							
Prep Date:	9	SeqNo: 34	146307							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.1	90	110			
Nitrogen, Nitrite (As N)	0.97	0.10	1.000	0	96.6	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.5	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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303703**

24-Mar-23

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-73723 SampType: MBLK TestCode: EPA Method 365.1: Total Phosphorous

Client ID: PBW Batch ID: 73723 RunNo: 95340

Prep Date: 3/15/2023 Analysis Date: 3/16/2023 SeqNo: 3448266 Units: mg/L

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

Phosphorus, Total (As P) ND 0.050

Sample ID: LCS-73723 SampType: LCS TestCode: EPA Method 365.1: Total Phosphorous

Client ID: LCSW Batch ID: 73723 RunNo: 95340

Prep Date: 3/15/2023 Analysis Date: 3/16/2023 SeqNo: 3448267 Units: mg/L

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

Phosphorus, Total (As P) 0.25 0.050 0.2500 0 99.5 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303703**

24-Mar-23

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-73759 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450111 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73759 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450112 Units: mg/L

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

Total Dissolved Solids 998 50.0 1000 0 99.8 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303703**

24-Mar-23

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-73861 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: **PBW** Batch ID: **73861** RunNo: **95512**

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454695 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-73861 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73861 RunNo: 95512

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454696 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA	Engineering	Work Order Num	ber: 2303703		RcptNo: 1	
Received By: Tr	acy Casarrubias	3/14/2023 8:47:00	AM			
Completed By: Ti	acy Casarrubias	3/14/2023 9:20:42	AM			
Reviewed By:	3-14-23					
Chain of Custod	ly					
1. Is Chain of Custo	dy complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sam	ple delivered?		<u>FedEx</u>			
Log In						
	nade 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 🗹	No 🗌	na 🗆	
5. Sample(s) in prop	er container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample	volume for indicated to	est(s)?	Yes 🗹	No 🗌		
7. Are samples (exce	ept VOA and ONG) pro	pperly 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 🗌	HNO3 NA ☑	
10. Were any sample	containers received b	roken?	Yes	No 🗹		
				_	# of preserved bottles checked	
11. Does paperwork m			Yes 🗹	No 🗆	for pH:	nless noted)
(Note discrepancie 2. Are matrices corre	es on chain of custody		Yes 🗸	No 🗆	Adjusted? (10)	lless noted)
3. Is it clear what ana		· · · · · · · · · · · · · · · · · · ·	res v Yes √	No 🗆	,	
14. Were all holding ti		·	Yes ✓	No 🗆	Checked by:	3/14/
-	mer for authorization.)		103			1, 1,
Special Handling	(if applicable)					
15. Was client notified	d of all discrepancies v	with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Noti	fied:	Date:		CONTRACTOR OF STREET		
By Whom:	Townson,	Via:	eMail P	hone Fax	☐ In Person	
Regarding:				-1	The same of the sa	
Client Instru	ctions:					
16. Additional remark						
Poured off	mL from original u	npreserved volume provide	ed. Added 1.2 ml	of HNQ3 to sai	mple 001B (CHEM# <u>716</u> 34 001A 20PZ (6993) Jn 3	or pH- 2.0m
17. <u>Cooler Informati</u>	on Of H250	y was add	ed to so	ruple o	101A 2012	FurPh
Cooler No T	emp °C Condition	Seal Intact Seal No	Seal Date	Signed By	16993 Ton 2	111/22
1 0.3	Good Good	Not Present Yogi			Coord Jim o	11716)

C	hain	of-Cu	stody Record	Turn-Around	Time:				Mile					w	TD		NI N	A E	NT	AI	
Client:				Standard	□ Rush				=	_									TC		
EA Eng	ineering,	Science,	and Technology	Project Name	e:							v.hall									
Mailing	Address	:		Sunset Dairy				490	01 H	awki	ins N	NE -	Alb	uque	erque	e, NN	VI 87	109			
320 Go	ld Ave S	W Suite		Project #:					el. 50			975	F	ax (505-	345-	4107				
Phone:	# :	505-715-	-4279									A	naly	sis	Requ	uest					
email o	r Fax#:		rmullen@eaest.com	Project Mana	iger:			300		. (4			1								
	Package:		U Lovel 4 (Full Velidation)		Gina Mullen			Nitrate/Nitrites EPA Method	S					g							
□ Stan		= 4 0	☐ Level 4 (Full Validation)	Committee in	Annal N. Dive		-	ĭĕ	S		MOD			9							
Accredi		☐ Az Co	mpliance	Sampler: On Ice:	Angel N. Rive	□ No yaq		EPA	TKN SM 4500 NORG	300	CM	8		Phosphorus EPA 6010B							
	(Type)			# of Coolers:				ites	200	PA	540	A		S E	_						
				Cooler Temp	(including CF): 0 3	3-8=0.3		Nitr	Σ 4	Chloride EPA	SM 2540 C	Sulfate EPA 300		Jol 1	Total Sulfur						
				Container	Preservative	HEAL No.		rate	တ ၁	lori;	SS	<u>fa</u>		dso	園						
Date	Time	Matrix	Sample Name	Type and #	Туре	2303703		ž	关	<u>ပ</u>	TDS	ns		됩	P						
3-13	14:55	Lagoon	257- Lagoon	2		001		X	X	X	X			X	x						
			119031			(
						(
												П									
Date:	Time:	Relinquish	ed by:	Received by:	Via: Feder	Date Time	Rer	nark	s:												
3-13	17:45		Inn.			3/14/23 8:47															
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date Time															
			10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							,											



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

March 24, 2023

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

RE: Bright Star Dairy OrderNo.: 2303702

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/14/2023 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

Analytical Report

Lab Order **2303702**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 340-Lagoon

 Project:
 Bright Star Dairy
 Collection Date: 3/13/2023 12:20:00 PM

 Lab ID:
 2303702-001
 Matrix: AQUEOUS
 Received Date: 3/14/2023 8:47:00 AM

Analyses	Result	RL	Qua	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	NAI
Chloride	3700	250	*	mg/L	500	3/18/2023 2:13:43 PM	R95377
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/15/2023 12:49:22 AM	R95284
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/15/2023 12:49:22 AM	R95284
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	18100	5000	*D	mg/L	1	3/20/2023 11:39:00 AM	73759
SM 4500 NORG C: TKN						Analyst	CJS
Nitrogen, Kjeldahl, Total	1300	20	D	mg/L	1	3/23/2023 11:00:00 AM	73861
EPA METHOD 200.7: TOTAL METALS						Analyst	: VP
Sulfur	180	2.0	D	mg/L	1	3/20/2023 1:55:39 PM	73755

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/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#: **2303702**

24-Mar-23

Client: EA Engineering Alb
Project: Bright Star Dairy

Sample ID: MB-73755 SampType: MBLK TestCode: EPA Method 200.7: Total Metals

Client ID: PBW Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450810 Units: mg/L

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

Sulfur ND 1.0

Sample ID: LCSLL-73755 SampType: LCSLL TestCode: EPA Method 200.7: Total Metals

Client ID: BatchQC Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450811 Units: mg/L

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

Sulfur 1.0 1.0 1.000 0 102 50 150

Sample ID: LCS-73755 SampType: LCS TestCode: EPA Method 200.7: Total Metals

Client ID: LCSW Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450812 Units: mg/L

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

Sulfur 55 1.0 50.00 0 110 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

4.7

0.50

5.000

WO#: 2303702

24-Mar-23

Client: Project:	EA Engineering Alb Bright Star Dairy								
Sample ID: MB	SampType: m l	blk	Tes	tCode: El	PA Method	300.0: Anions			
Client ID: PBW	Batch ID: RS	5284	F	RunNo: 9	5284				
Prep Date:	Analysis Date: 3	14/2023	;	SeqNo: 3	446306	Units: mg/L			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N Nitrogen, Nitrate (As N									
Sample ID: LCS	SampType: Ic:	3	Tes	tCode: El	PA Method	300.0: Anions			
Client ID: LCS\	N Batch ID: RS	5284	F	RunNo: 9	5284				
Prep Date:	Analysis Date: 3	14/2023	;	SeqNo: 3	446307	Units: mg/L			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N		1.000	0	96.6	90	110			
Nitrogen, Nitrate (As N	l) 2.5 0.10	2.500	0	99.5	90	110			
Sample ID: MB	SampType: ml	blk	Tes	tCode: El	PA Method	300.0: Anions			
Client ID: PBW	Batch ID: RS	5377	F	RunNo: 9	5377				
Prep Date:	Analysis Date: 3	18/2023	;	SeqNo: 3	450138	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: Ic :	<u> </u>	Tes	tCode: El	PA Method	300.0: Anions			
Client ID: LCS\	N Batch ID: RS	5377	F	RunNo: 9	5377				
Prep Date:	Analysis Date: 3	18/2023	;	SeqNo: 3	450139	Units: mg/L			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

Chloride

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank

94.2

0

90

110

- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303702**

24-Mar-23

Client: EA Engineering Alb
Project: Bright Star Dairy

Sample ID: MB-73759 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450111 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73759 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450112 Units: mg/L

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

Total Dissolved Solids 998 50.0 1000 0 99.8 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303702**

24-Mar-23

Client: EA Engineering Alb
Project: Bright Star Dairy

Sample ID: MB-73861 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73861 RunNo: 95512

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454695 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-73861 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73861 RunNo: 95512

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454696 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering W	ork Order Number:	2303702		RcptNo: 1
Received By: Tracy Casarrubias 3/14	/2023 8:47:00 AM			
	/2023 9:13:32 AM			
Reviewed By: \$\int 3-14-\tau3				
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 samples?		Yes 🔽	No 🗌	NA 🗆
4. Were all samples received at a temperature of >0°	°C to 6.0°C	Yes 🗹	No 🗌	NA \square
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌	
26. No. 10. 10.		_		
6. Sufficient sample volume for indicated test(s)?		Yes 🗹	No 🗌	
7_{\cdot} Are samples (except VOA and ONG) properly prese	erved?	Yes 🗹	No 🗌	
8. Was preservative added to bottles?		Yes 🗹	No 🗆	na 🗌
O Description of the second of	0.10.10	🗆	N: 🗆	HNO3
9. Received at least 1 vial with headspace <1/4" for A	Q VOA?	Yes 🗌	No ∐	NA 🗹
10. Were any sample containers received broken?		Yes \square	No 🗹	# of preserved
11.Does paperwork match bottle labels?		Yes 🗹	No 🗌	bottles checked for pH:
(Note discrepancies on chain of custody)		100 🖭		<2 or >12 unless note
12. Are matrices correctly identified on Chain of Custoo	ly?	Yes 🗹	No 🗌	Adjusted? 495
13. Is it clear what analyses were requested?		Yes 🔽	No 🗌	7 2/11
14. Were all holding times able to be met?		Yes 🗸	No 📙	Checked by: Jn3/14
(If no, notify customer for authorization.)			1	
Special Handling (if applicable)				
15. Was client notified of all discrepancies with this ord	ler?	Yes 🗌	No 🗌	NA 🗹
Person Notified:	Date:			
By Whom:	Via:	eMail 🔲 l	Phone Fax	☐ In Person
Regarding:				to the second se
Client Instructions:				
16. Additional remarks:				
Poured off <u>kx</u> mL from original unpreserved	volume provided. A	Added 1.2m	L of HNO3 to sa	mple 001B (CHEM # 7162) for pHT
17. Cooler Information not Ph. 3.0ml	0+ H25	on w	us add.	ed to sample oul
Cooler No Temp °C Condition Seal Inta		eal Date	Signed By	fer ph22.
1 0.3 Good Not Prese	nt Yogi			7u 3/1

C	hain-	of-Cu	stody Record	Turn-Around	Time:					Sec.	ы	AI	L E	NV	TE	20	NIN	A E I	NT	AI	
Client:				Standard	□ Rush	1				_			LY								
	jineering, Address		and Technology	Project Name									hallen								
viaiiiiy	Address			Bright Star D	airy				490)1 Ha	awkir	s NI	Ξ - Α	lbuqu	erqu	e, Ni	VI 87	109			
	ld Ave S	W Suite		Project #:				MUSIS	Те	l. 50	5-345	5-39	-	Fax				,	1 (Table) -	- North	
Phone	#:	505-715-	4279				<u> </u>				SKAT		Ana	lysis	Req	uest		ACC	8 0.		
email o	r Fax#:		rmullen@eaest.com	Project Mana	iger:				300										1		
	Package:		Colored A (Coll Velidation)		Gina Mullen				thod	၂				B							
□ Star			☐ Level 4 (Full Validation)	ļ					₹			MOD		15							
Accred □ NEL		☐ Az Co☐ Other	mpliance	Sampler: On Ice:	Angel N. Rive	CT NI-	1001		EPA	Š	300	Ž U	ရွ	-A 6							
	(Type)			# of Coolers:			10gi		es	8	₹	2540 C	ဗ္ဂ	l iii							
		Matrix	Sample Name		Preservative Type		_ No.		Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	ige	TDS SM 25	Sulfate EPA 300	Phosphorus EPA 6010B	Total Sulfur						
		_	340-Lagoon	2	,	001	0 4		X	_		X.	"	+-	X		\neg	\dashv	\top	_	
<i>2 1</i> 3	12.20	agoon	340 · Cug00N	1	-	1001		\vdash	/-	_			_		/	\vdash	\dashv	\dashv	\dashv	_	
		ļ		ļ				\sqcup		_		_	_	-	<u> </u>			\dashv	_		-
																		_			
1112																					Т
												\exists									
												\neg									
Date: 3-13	Time: 17:45	Relinquish	ed by:	Received by:	Via: Fed to	Date 3/14	Time 9:47	Ren	narks	S:										•	•
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date	Time														
			······································															1 44 -	- 1		



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

March 24, 2023

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

RE: Mountain View Dairy LLC OrderNo.: 2303701

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/14/2023 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

Analytical Report

Lab Order 2303701

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70- Lagoon

Project:Mountain View Dairy LLCCollection Date: 3/13/2023 11:05:00 AMLab ID:2303701-001Matrix: AQUEOUSReceived Date: 3/14/2023 8:47:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	1200	100	*	mg/L	200	3/18/2023 2:01:18 PM	R95377
Nitrogen, Nitrite (As N)	ND	10		mg/L	100	3/15/2023 2:16:14 AM	A95284
Nitrogen, Nitrate (As N)	ND	10		mg/L	100	3/15/2023 2:16:14 AM	A95284
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	12800	5000	*D	mg/L	1	3/20/2023 11:39:00 AM	73759
EPA METHOD 365.1: TOTAL PHOSPHOROUS						Analyst	: JMT
Phosphorus, Total (As P)	330	25	D	mg/L	10	3/16/2023 3:27:00 PM	73723
SM 4500 NORG C: TKN						Analyst	: CJS
Nitrogen, Kjeldahl, Total	2000	20	D	mg/L	1	3/23/2023 11:00:00 AM	73861
EPA METHOD 200.7: TOTAL METALS						Analyst	: VP
Sulfur	140	5.0		mg/L	5	3/20/2023 1:54:25 PM	73755

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303701**

24-Mar-23

Client: EA Engineering Alb

Project: Mountain View Dairy LLC

Sample ID: MB-73755 SampType: MBLK TestCode: EPA Method 200.7: Total Metals

Client ID: PBW Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450810 Units: mg/L

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

Sulfur ND 1.0

Sample ID: LCSLL-73755 SampType: LCSLL TestCode: EPA Method 200.7: Total Metals

Client ID: BatchQC Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450811 Units: mg/L

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

Sulfur 1.0 1.0 1.000 0 102 50 150

Sample ID: LCS-73755 SampType: LCS TestCode: EPA Method 200.7: Total Metals

Client ID: LCSW Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450812 Units: mg/L

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

Sulfur 55 1.0 50.00 0 110 85 119

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303701**

24-Mar-23

Client: Project:	EA Engineering Alb Mountain View Dairy L	LC							
Project:	Mountain view Dairy L								
Sample ID: MB	SampType:	mblk	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: PBW	Batch ID:	A95284	F	RunNo: 95	5284				
Prep Date:	Analysis Date:	3/15/2023	5	SeqNo: 34	146360	Units: mg/L			
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	-	.10							
Nitrogen, Nitrate (As N)	ND 0.	.10							
Sample ID: LCS	SampType:	lcs	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: LCSW	Batch ID:	A95284	F	RunNo: 95	5284				
Prep Date:	Analysis Date:	3/15/2023	\$	SeqNo: 34	146361	Units: mg/L			
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	0.98 0.	1.000	0	97.5	90	110			
Nitrogen, Nitrate (As N)	2.5 0.	.10 2.500	0	101	90	110			
Sample ID: MB	SampType:	mblk	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: PBW	Batch ID:	R95377	F	RunNo: 95	5377				
Prep Date:	Analysis Date:	3/18/2023	5	SeqNo: 34	150138	Units: mg/L			
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND 0.	.50							
Sample ID: LCS	SampType:	lcs	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: LCSW	Batch ID:	R95377	F	RunNo: 95	5377				
Prep Date:	Analysis Date:	3/18/2023	5	SeqNo: 34	150139	Units: mg/L			
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7 0.	5.000	0	94.2	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303701**

24-Mar-23

Client: EA Engineering Alb

Project: Mountain View Dairy LLC

Sample ID: MB-73723 SampType: MBLK TestCode: EPA Method 365.1: Total Phosphorous

Client ID: PBW Batch ID: 73723 RunNo: 95340

Prep Date: 3/15/2023 Analysis Date: 3/16/2023 SeqNo: 3448266 Units: mg/L

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

Phosphorus, Total (As P) ND 0.050

Sample ID: LCS-73723 SampType: LCS TestCode: EPA Method 365.1: Total Phosphorous

Client ID: LCSW Batch ID: 73723 RunNo: 95340

Prep Date: 3/15/2023 Analysis Date: 3/16/2023 SeqNo: 3448267 Units: mg/L

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

Phosphorus, Total (As P) 0.25 0.050 0.2500 0 99.5 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303701**

24-Mar-23

Client: EA Engineering Alb

Project: Mountain View Dairy LLC

Sample ID: MB-73759 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450111 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73759 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450112 Units: mg/L

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

Total Dissolved Solids 998 50.0 1000 0 99.8 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303701**

24-Mar-23

Client: EA Engineering Alb

Project: Mountain View Dairy LLC

Sample ID: MB-73861 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: **PBW** Batch ID: **73861** RunNo: **95512**

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454695 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-73861 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73861 RunNo: 95512

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454696 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering Work Order Num	nber: 2303701		RcptNo: 1
Received By: Tracy Casarrubias 3/14/2023 8:47:00	AM		
Completed By: Tracy Casarrubias 3/14/2023 9:07:21	AM		
Reviewed By: # 3-14-23			
The vicinical by:			
Chain of Custody			
1. Is Chain of Custody complete?	Yes 🗌	No 🗹	Not Present
2. How was the sample delivered?	<u>FedEx</u>		
Z. How the cample delivered.	<u>r odex</u>		
Log In	- 5	🗀	🗆
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 🗆
T. Profe all samples received at a temperature of 20 0 to 0.0 C	res 💌		INA L
5. Sample(s) in proper container(s)?	Yes 🗹	No 🗌	
C. Cufficient councils volume for indicated to t/o/O	Yes 🗹	No 🗌	
 Sufficient sample volume for indicated test(s)? Are samples (except VOA and ONG) properly preserved? 	Yes ✓	No 🗌	
Ne samples (except vox and one) properly preserved? Was preservative added to bottles?	Yes 🗹	No 🗆	NA 🗆
O. Was preservative added to bottles:	ies 🖭		HNO3
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
		🗖	bottles checked
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 📙	for pH: (<2)or >12 unless noted
2. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted? Yes
3. Is it clear what analyses were requested?	Yes 🗹	No 🗆	
4. Were all holding times able to be met?	Yes 🗹	No 🗌	Checked by: JW3//C
(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	e. [
By Whom: Via:	eMail F	Phone Fax	☐ In Person
Regarding:			Approximation of the second se
Client Instructions:			
16. Additional remarks:			
Poured off OO mL from original unpreserved volume provide	ded. Added 1.2 ml	L of HNO3 to sa	mple 001B (CHEM # <u>7162</u>) for pH- ∠ 2
17. Cooler Information Of H2504 was add. Cooler No Temp °C Condition Seal Intact Seal No.	ed to sa	nole oc	01A2012 Fur pl
Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By	(6843) JU3/14/2

Chain-of-Custody Record Client: EA Engineering, Science, and Technology			Turn-Around Time: Standard □ Rush			HALL ENVIRONMENTAL ANALYSIS LABORATORY														
			Project Name:				www.hallenvironmental.com													
Vailing	Address	•		Mountain View Dairy Project #:				4901 Hawkins NE - Albuquerque, NM 87109												
320 Gol	d Ave S	W Suite						Tel. 505-345-3975 Fax 505-345-4107 Analysis Request												
Phone #	# :	505-715-	4279				18/9					Ana	llysis	Red	uest					
email o	Fax#:		rmullen@eaest.com	Project Mana	iger:		1	300.			1		9 4 8							(8)
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)			Gina Mullen				thod	S				10B								
								ž	RG		MOD		100		1					
Accredi □ NEL		☐ Other	mpliance	Sampler: Angel N. Rivera On Ice: ✓ Yes ✓ No ✓ No				EPA	NORG	300	S O	8	PA							
□ EDD	(Type)			# of Coolers:				tes	4500	EPA	540	A 3	S H							
						3-0-0.3-		Nitrate/Nitrites EPA Method	SM 4	ide E	SM 2540 C	Sulfate EPA 300	Phosphorus EPA 6010B	Total Sulfur						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 3303701		Nitrat	T K	Chloride	TDS	Sulfa	Phos	Total						
3-13	11:05	Lagoon	70- Lagoon	2		001		X	X	X	X		X	X						
														22						
						-														
		<u> </u>																		
- 1 1111																				
		Ì				11														
Date: 3-(3	Time: 17:45	Relinquish	ed by:	Received by:	Via. Red &	3/14/23 E:47	Rer	nark	s:											
Date:	Time:	Relinquish		Received by:	Via:	Date Time														



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

March 28, 2023

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

RE: Del Oro Dairy OrderNo.: 2303705

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/14/2023 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

Analytical Report

Lab Order **2303705**

Date Reported: 3/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-Lagoon

 Project:
 Del Oro Dairy
 Collection Date: 3/13/2023 4:10:00 PM

 Lab ID:
 2303705-001
 Matrix: AQUEOUS
 Received Date: 3/14/2023 8:49:00 AM

Analyses	Result RL (Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst:	NAI	
Chloride	9700	500	*	mg/L	1E+	· 3/18/2023 5:07:26 PM	A95377	
Nitrogen, Nitrite (As N)	ND	10		mg/L	100	3/15/2023 12:36:57 AM	R95284	
Nitrogen, Nitrate (As N)	ND	10		mg/L	100	3/15/2023 12:36:57 AM	R95284	
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS	
Total Dissolved Solids	40700	5000	*D	mg/L	1	3/20/2023 11:39:00 AM	73759	
SM 4500 NORG C: TKN						Analyst	DML	
Nitrogen, Kjeldahl, Total	910	50	D	mg/L	1	3/27/2023 2:40:00 PM	73932	
EPA METHOD 200.7: TOTAL METALS						Analyst	VP	
Sulfur	280	10	D	mg/L	5	3/20/2023 2:12:40 PM	73755	

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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/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#: **2303705**

28-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73755 SampType: MBLK TestCode: EPA Method 200.7: Total Metals

Client ID: PBW Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450810 Units: mg/L

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

Sulfur ND 1.0

Sample ID: LCSLL-73755 SampType: LCSLL TestCode: EPA Method 200.7: Total Metals

Client ID: BatchQC Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450811 Units: mg/L

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

Sulfur 1.0 1.0 1.000 0 102 50 150

Sample ID: LCS-73755 SampType: LCS TestCode: EPA Method 200.7: Total Metals

Client ID: LCSW Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450812 Units: mg/L

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

Sulfur 55 1.0 50.00 0 110 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

0.50

5.000

WO#: **2303705**

28-Mar-23

Client:	EA Engineering								
Project:	Del Oro Dairy								
Sample ID: MB	SampType: mblk	TestCode: EPA Method	300.0: Anions						
Client ID: PBW	Batch ID: R95284	RunNo: 95284							
Prep Date:	Analysis Date: 3/14/2023	SeqNo: 3446306	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								
Sample ID: LCS	SampType: Ics	TestCode: EPA Method	300.0: Anions						
Client ID: LCSW	Batch ID: R95284	RunNo: 95284							
Prep Date:	Analysis Date: 3/14/2023	SeqNo: 3446307	Units: mg/L						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual					
Nitrogen, Nitrite (As N)	0.97 0.10 1.000	0 96.6 90	110						
Nitrogen, Nitrate (As N)	2.5 0.10 2.500	0 99.5 90	110						
Sample ID: MB	SampType: mblk	TestCode: EPA Method	300.0: Anions						
Client ID: PBW	Batch ID: A95377	RunNo: 95377							
Prep Date:	Analysis Date: 3/18/2023	SeqNo: 3450175	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: A95377	RunNo: 95377							
Prep Date:	Analysis Date: 3/18/2023	SeqNo: 3450176	Units: mg/L						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank

95.4

110

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303705**

28-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73759 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450111 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73759 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450112 Units: mg/L

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

Total Dissolved Solids 998 50.0 1000 0 99.8 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303705**

28-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73932 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73932 RunNo: 95587

Prep Date: 3/24/2023 Analysis Date: 3/27/2023 SeqNo: 3458509 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-73932 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73932 RunNo: 95587

Prep Date: 3/24/2023 Analysis Date: 3/27/2023 SeqNo: 3458510 Units: mg/L

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

Nitrogen, Kjeldahl, Total 11 1.0 10.00 0 112 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: E	EA Engineering	Work Order Num	ber: 2303705		RcptNo: 1	
Received By:	Tracy Casarrubias	3/14/2023 8:49:00	AM			
Completed By:	Tracy Casarrubias	3/14/2023 9:35:20	АМ			
Reviewed By:	\$ 3-14-23					
Chain of Custo	ody					
1. Is Chain of Cus			Yes 🗹	No 🗌	Not Present	
2. How was the sa	ample delivered?		<u>FedEx</u>			
Log In						
Control of the second second	t made to cool the samp	les?	Yes 🗹	No 🗌	NA 🗆	
4. Were all sample	es received at a tempera	ature of >0° C to 6.0°C	Yes ⊻	No 🗌	NA 🗆	
5. Sample(s) in pro	oper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sampl	e volume for indicated to	est(s)?	Yes 🗸	No 🗌		
7. Are samples (ex	cept VOA and ONG) pr	operly preserved?	Yes 🗹	No 🗌		
8. Was preservativ	e added to bottles?		Yes 🗹	No 🗌	NA 🗌	
9. Received at leas	st 1 vial with headspace	<1/4" for AQ VOA?	Yes 🗌	No 🗌	HNO3 NA ☑	
10. Were any samp	le containers received b	oroken?	Yes 🗆	No 🗹	# of preserved	
	match bottle labels?	·)	Yes 🗹	No 🗆	bottles checked for pH:	unless noted)
2. Are matrices con	rrectly identified on Chai	n of Custody?	Yes 🗹	No 🗌	Adjusted?	25
3. Is it clear what a	nalyses were requested	?	Yes 🗹	No 🗌	_	$\alpha 1 \cdot 1$
-	times able to be met? tomer for authorization.)		Yes 🗹	No 🗌	Checked by: >r	03/14/2
Special Handlin	g (if applicable)					
15. Was client notif	ied of all discrepancies	with this order?	Yes 🗌	No 🗌	NA 🗹	
Person N	otified:	Date				
By Whom	I.	Via:	eMail P	hone 🗌 Fax	☐ In Person	
Regarding	g: [
Client Inst	tructions:					
16. Additional rema	arks:				1//	
Poured of	f <u>(OO</u> mL from original u	npreserved volume provid	ed. Added <u>1.6 m</u> l	of HNO3 to sa	mple 001B (CHEM# <u>7163</u> sumple 00 It did not C6893) Ju 3	for pH- J+ <
17. <u>Cooler Inform</u>	ation 7 h - 3.00	N 04 H2504	wal ado	led to	sample of	14 201
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By	It did not	Philos
1	0.3 Good	Not Present Yogi			C6893) Tus	114/23

Chain-of-Custody Record			Turn-Around Time:				HALL ENVIRONMENTAL ANALYSIS LABORATORY															
Client: EA Engineering, Science, and Technology		☑ Standard □ Rush																				
		Project Name:				www.hallenvironmental.com											7.6					
	Address		<u> </u>	Del Oro Dair	v			4901 Hawkins NE - Albuquerque, NM 87109														
320 Gc	ld Ave S	W Suite		Project #:			Tel. 505-345-3975 Fax 505-345-4107															
Phone #: 505-715-4279			1						11			Ar	nalys	is F	Requ	ıest					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
email o	r Fax#:		rmullen@eaest.com	Project Manager:				300.							T			П				
QA/QC Package: □ Standard □ Level 4 (Full Validation)			Gina Mullen					ethod 3	O				1	B B								
Accreditation: Az Compliance			Sampler: Angel N. Rivera				1	Ž	NORG		MOD			6010B								
□ NELAC □ Other			On Ice: 1/2 Yes No					EP/	윈	300	ਹ	300		M								
	(Type) ₋			# of Coolers: \				1	tes	200	EPA	54	A 3	'	S.							
				Cooler Temp	(including CF): O	3 -0=	0.3 -		Nitr	₩.	de E	SM 2540 C	EP		힏	Jille Jille						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	13037			Nitrate/Nitrites EPA Method	TKN SM 4500	Chloride	TDS S	Sulfate EPA		Phosphorus EPA	Total Sulfur						
3-13	16:10	Lagor	692-lagoon	2		001			X	X		X				X						
								1														
			•								_			1	\dashv	\dashv	\top			\top	\top	\top
								\Box			\neg				\dashv		+		\dashv		\top	+
		Ť						П						\top	\neg	\dashv						\top
								П			\neg				\dashv							
																		\exists		\top	\top	\top
				y.																		
																						\top
Date:	Time:	Relinquish	ed by:	Received by:	Via: Fed e	Date	Time	Rem	nark	3:												
3-13	17:45	Und	m C				123 8:49															
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date	Time															



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

March 24, 2023

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

RE: Big Sky Dairy OrderNo.: 2303704

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/14/2023 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 2303704

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/24/2023

CLIENT: EA Engineering Client Sample ID: 833- Lagoon

 Project:
 Big Sky Dairy
 Collection Date: 3/13/2023 1:45:00 PM

 Lab ID:
 2303704-001
 Matrix: AQUEOUS
 Received Date: 3/14/2023 8:47:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	680	50	*	mg/L	100	3/14/2023 11:47:19 PM	R95284
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/14/2023 11:34:55 PM	R95284
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/14/2023 11:34:55 PM	R95284
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	ND	5000	D	mg/L	1	3/20/2023 11:39:00 AM	73759
EPA METHOD 365.1: TOTAL PHOSPHOROUS						Analyst	: JMT
Phosphorus, Total (As P)	450	25	D	mg/L	10	3/16/2023 3:35:00 PM	73723
SM 4500 NORG C: TKN						Analyst	: CJS
Nitrogen, Kjeldahl, Total	1800	20	D	mg/L	1	3/23/2023 11:00:00 AM	73861
EPA METHOD 200.7: TOTAL METALS						Analyst	: VP
Sulfur	33	1.0		mg/L	1	3/20/2023 2:00:38 PM	73755

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303704**

24-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73755 SampType: MBLK TestCode: EPA Method 200.7: Total Metals

Client ID: PBW Batch ID: 73755 RunNo: 95389

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450810 Units: mg/L

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

Sulfur ND 1.0

Sample ID: LCSLL-73755 SampType: LCSLL TestCode: EPA Method 200.7: Total Metals

Client ID: BatchQC Batch ID: 73755 RunNo: 95389

1.0

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450811 Units: mg/L

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

102

150

Sample ID: LCS-73755 SampType: LCS TestCode: EPA Method 200.7: Total Metals

1.000

Client ID: LCSW Batch ID: 73755 RunNo: 95389

1.0

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450812 Units: mg/L

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

Sulfur 55 1.0 50.00 0 110 85 115

Qualifiers:

Sulfur

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 Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303704**

24-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW RunNo: 95284 Batch ID: **R95284** Prep Date: Analysis Date: 3/14/2023 SeqNo: 3446306 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	Type: Ics		Tes	tCode: EF	PA Method	300.0: Anions	3		
Client ID: LCSW	Batcl	h ID: R9	5284	F	RunNo: 9	5284				
Prep Date:	Analysis D	Date: 3/	14/2023	5	SeqNo: 34	146307	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	94.1	90	110			
Nitrogen, Nitrite (As N)	0.97	0.10	1.000	0	96.6	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	•	99.5	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303704**

24-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73723 SampType: MBLK TestCode: EPA Method 365.1: Total Phosphorous

Client ID: PBW Batch ID: 73723 RunNo: 95340

Prep Date: 3/15/2023 Analysis Date: 3/16/2023 SeqNo: 3448266 Units: mg/L

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

Phosphorus, Total (As P) ND 0.050

Sample ID: LCS-73723 SampType: LCS TestCode: EPA Method 365.1: Total Phosphorous

Client ID: LCSW Batch ID: 73723 RunNo: 95340

Prep Date: 3/15/2023 Analysis Date: 3/16/2023 SeqNo: 3448267 Units: mg/L

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

Phosphorus, Total (As P) 0.25 0.050 0.2500 0 99.5 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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.

WO#: **2303704**

24-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73759 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450111 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73759 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450112 Units: mg/L

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

Total Dissolved Solids 998 50.0 1000 0 99.8 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303704**

24-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73861 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73861 RunNo: 95512

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454695 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-73861 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73861 RunNo: 95512

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454696 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

E	nebsite. www.natienv	ir onmemur.com		
Client Name: EA Engineering Wo	ork Order Number: 230	03704	Rc	ptNo: 1
7				
Received By: Tracy Casarrubias 3/14/2	2023 8:47:00 AM			
Completed By: Tracy Casarrubias 3/14/2	2023 9:26:47 AM			
Reviewed By: \$3-14-23				
Chain of Custody				
1. Is Chain of Custody complete?	Ye	s 🗹 No	Not Present	
2. How was the sample delivered?	<u>Fe</u> c	<u>dEx</u>		
Log In 3. Was an attempt made to cool the samples?	Voc	s 🗸 No	□ NA	
o. was an attempt made to cool the samples?	res	S W NO	L NA	
4. Were all samples received at a temperature of >0°	C to 6.0°C Yes	s ☑ No	□ NA	
·			_	
5. Sample(s) in proper container(s)?	Yes	s ✓ No		
6. Sufficient sample volume for indicated test(s)?	Yes	. ✓ No		
7. Are samples (except VOA and ONG) properly prese				
8. Was preservative added to bottles?		— No	□ NA I	
1.37			н	NO3
9. Received at least 1 vial with headspace <1/4" for AC			□ NA [✓
10. Were any sample containers received broken?	Yes	_s 🗆 No	# of preserved	
11 5			bottles checked	2
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes	No No	for pH:	2 gr >12 unless noted)
12. Are matrices correctly identified on Chain of Custody	/? Yes	☑ No	Adjusted?	yes
13. Is it clear what analyses were requested?	Yes	✓ No		
14. Were all holding times able to be met?	Yes	✓ No	Checked b	y: JN3/14/2
(If no, notify customer for authorization.)				
Special Handling (if applicable)				
15. Was client notified of all discrepancies with this order	er? Yes	s 🗌 No	□ NA	\checkmark
Person Notified:	Date:		NAME OF THE PARTY	
By Whom:	Via: ☐ eM	/lail Phone	Fax In Person	
Regarding:				
Client Instructions:				
16. Additional remarks:		-		
Poured off 60 mL from original unpreserved	volume provided. Adde	ed 💯 mL of HNC	3 to sample 001B (CHE	M#7162 for pH- 2.0%
Poured off <u>@O</u> mL from original unpreserved。 17. <u>Cooler Information</u> ひんり250 4 Wa	s added f	o Sampl	e 00117 2	of 2 for pho
Cooler No Temp °C Condition Seal Intac	t Seal No Seal D			Ju3/14/23.
1 0.3 Good Not Presen	t Yogi			N. 7/19/6 7.

hain-	of-Cu	stody Record	Turn-Around	Time:					-	A		EN	w	TD	O	NIN	4 E	NT	ΔI	
			Standard	□ Rush		. -		=	-		No.									,
		and Technology	,) :						wwv	v.hall	envir	onn	nent	al.co	m				
Address	•					_	490	01 H	awki	ins N	1E -	Albı	ıque	erque	e, NN	VI 87	109			
ld Ave S	W Suite		Project #:				Te	el. 50	5-34	15-3						_	7	W. 62 (c)		
#:	505-715-	4279									A	nalys	SIS	Req	uest					
r Fax#:		rmullen@eaest.com	Project Mana	ger:		9	30													
Package:				Gina Mullen			g g						_	Ì						
ndard		☐ Level 4 (Full Validation)				_	let			Ö			<u>ള</u>						1	
							PA	N N	g	MC:			A 60							
	□ Other				No your		I III	Z	3	00	8	- 1	Ⅱ				- 1			
(Type) _	1				× = 0.27		<u></u>	150	A.	254	४		SD	5						
Time	Matrix	Sample Name	Container	Preservative	HEAL No.		Nitrate/Nit	TKN SM	Chloride F	TDS SM	Sulfate El		Phosphor	Total Sulf						
13:45	Lasan	833- Lagoon	2		The state of the s		X	X	X	X			X	X						
	1/40.0							100										\neg		
				<u> </u>		+	\vdash	\vdash			\vdash	\dashv	_	-			\dashv	_	_	
						_	_	-	\vdash		\vdash	-	\dashv	-	-		-	-+	_	-
							_					_	_			_	_		_	-
															Щ		_	\dashv		
1																				
						_	 		_	_	\Box	\dashv	_			\neg			\neg	
						_		 		_	\vdash	\dashv				\dashv		\dashv	13,4	177
-				-				 		-	\vdash				\vdash	-	\dashv	\dashv		
	-					+	\vdash	_	-	_		\dashv		_	\vdash		\dashv	\dashv		-
T:	Delle min	ad bur	Bossived by	Viol IF-Ad -	Date Time	Da		<u> </u>	<u></u>											
Time: 17:45	Relinquish	ed by: Ihr	Received by:	Via Tect 6	3/N/23 9 47	- Kei	mark	S.												
Time:	Relinquish	ed by:	Received by:	— Via:	Date Time															
	ineering, Address Id Ave S' #: r Fax#: Package: Idard	ineering, Science, Address: Id Ave SW Suite #: 505-715- r Fax#: Package: Idard Idarion:	ineering, Science, and Technology Address: Id Ave SW Suite #: 505-715-4279 r Fax#: rmullen@eaest.com Package: Idard	Standard Ineering, Science, and Technology Address: Id Ave SW Suite #: 505-715-4279 r Fax#: rmullen@eaest.com Package: Idard	ineering, Science, and Technology Address: Id Ave SW Suite #: 505-715-4279 r Fax#: rmullen@eaest.com Package: Idard	Cartainer Cooler Cooler	Standard Rush Project Name: Big Sky Dairy Project #: S05-715-4279 Fax#: rmullen@eaest.com Project Manager: Gina Mullen Gina Mullen	Standard	Standard	Standard	Standard Rush Project Name: ANA ANA	Standard Rush Project Name: Www.hall A901 Hawkins NE - Tel. 505-345-3975 A104 A2 Compliance AC Other Other Other Type and # Project Name Other Oth	Standard Rush Project Name: ANALYS Address: Big Sky Dairy Address: Big Sky Dairy Address: Big Sky Dairy Agot Hawkins NE - Albu Tel. 505-345-3975 Tel. 505-345-345-345-345-345-345-345-345-345-34	Standard Rush Project Name: Www.hallenviron. Address: Big Sky Dairy Hakkins NE - Albuque Tel. 505-345-3975 Fax #: 505-715-4279 Fax#: mullen@eaest.com Project Manager: Gina Mullen Gard Level 4 (Full Validation) Az Compliance Sampler: Angel N. Rivera On Ice: Yes No Uool Gard On Ice: Yes No Uool Gard Gard	Standard Rush Project Name:	Standard Rush Rus	Standard Rush Rus	Standard Rush Project Name: Name N	Standard Rush Project Name: Waw.hallenvironmental.com Application Applicat	Action Container Project Name Project #:



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

September 08, 2022

Sam Carver Glorieta GeoScience P.O. Box 5727 Santa Fe, NM 87502

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

RE: Organ Dairy OrderNo.: 2208B58

Dear Sam Carver:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/18/2022 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 **2208B58**

Date Reported: 9/8/2022

Hall Environmental Analysis Laboratory, Inc.

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

 Project:
 Organ Dairy
 Collection Date: 8/17/2022 8:30:00 AM

 Lab ID:
 2208B58-001
 Matrix: AQUEOUS
 Received Date: 8/18/2022 10:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	690	50	*	mg/L	100	8/29/2022 1:29:17 PM	R90644
Nitrogen, Nitrate (As N)	14	1.0	*	mg/L	10	8/18/2022 7:09:26 PM	R90384
Sulfate	770	50	*	mg/L	100	8/29/2022 1:29:17 PM	R90644
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3210	40.0	*D	mg/L	1	8/19/2022 2:58:00 PM	69623
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	8/24/2022 10:20:00 AM	69692

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 **2208B58**

Date Reported: 9/8/2022

Hall Environmental Analysis Laboratory, Inc.

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

 Project:
 Organ Dairy
 Collection Date: 8/17/2022 10:30:00 AM

 Lab ID:
 2208B58-002
 Matrix: AQUEOUS
 Received Date: 8/18/2022 10:35:00 AM

Analyses	Result	RL	Qual	Units	DF :	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	NAI
Chloride	410	50	*	mg/L	100	8/18/2022 8:36:21 PM	R90384
Nitrogen, Nitrate (As N)	3.8	1.0		mg/L	10	8/18/2022 7:59:06 PM	R90384
Sulfate	560	50	*	mg/L	100	8/18/2022 8:36:21 PM	R90384
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	2200	20.0	*	mg/L	1	8/19/2022 2:58:00 PM	69623
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	8/24/2022 10:20:00 AM	69692

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 2208B58

Date Reported: 9/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Glorieta GeoScience Client Sample ID: LRG-4585

Project: Organ Dairy
 Collection Date: 8/17/2022 11:20:00 AM

 Lab ID: 2208B58-003
 Matrix: AQUEOUS
 Received Date: 8/18/2022 10:35:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	62	5.0	mg/L	10	8/18/2022 8:48:46 PM	R90384
Nitrogen, Nitrate (As N)	ND	1.0	mg/L	10	8/18/2022 8:48:46 PM	R90384
Sulfate	86	5.0	mg/L	10	8/18/2022 8:48:46 PM	R90384
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst	KS
Total Dissolved Solids	469	20.0	mg/L	1	8/19/2022 2:58:00 PM	69623
SM 4500 NORG C: TKN					Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	8/24/2022 10:20:00 AM	69692

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

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208B58**

08-Sep-22

Client: Glorieta GeoScience

Project: Organ Dairy

Sample ID: MB	Samp	Type: m k	olk	Tes	tCode: El	PA Method	300.0: Anions	6		
Client ID: PBW	Batc	h ID: R9	0384	F	lunNo: 9	0384				
Prep Date:	Analysis D	Date: 8/	18/2022	S	SeqNo: 3	226354	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	Samp	Гуре: Ісѕ	.	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: LCSW	Batc	h ID: R9	0384	F	lunNo: 9	0384				
Prep Date:	Analysis [Date: 8/	18/2022	S	SeqNo: 3	226356	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.9	0.50	5.000	0	97.3	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	105	90	110			
Sulfate	10	0.50	10.00	0	105	90	110			
Sample ID: 2208B58-002AMS	Samp	Гуре: ms	<u> </u>	Tes	tCode: El	PA Method	300.0: Anions	3		
) · · · · · · · · · · · · · · · · · · ·								

Client ID: MW 126 -12	Batch ID: R90384			R	RunNo: 90	0384				
Prep Date:	Analysis D	ate: 8/	18/2022	S	SeqNo: 3	226388	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	28	1.0	25.00	3.840	96.2	93.5	110			

Sample ID: 2208B58-002AMSI) SampT	ype: ms	d	Tes	tCode: El	PA Method	300.0: Anion	5			
Client ID: MW 126 -12	Batch	ID: R9	0384	F	RunNo: 90	0384					
Prep Date:	Analysis D	ate: 8/	18/2022	8	SeqNo: 3	226390	Units: mg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Nitrogen Nitrate (Ac N)	28	1.0	25.00	3 840	96.8	03.5	110	0.501	20		

Sample ID: MB	SampT	ype: m k	olk	Tes	tCode: El	PA Method	300.0: Anions	:		
Client ID: PBW	Batch	ID: R9	0644	F	RunNo: 9	0644				
Prep Date:	Analysis D	ate: 8/	29/2022	9	SeqNo: 3	239252	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: R90644	RunNo: 90644	
Prep Date:	Analysis Date: 8/29/2022	SeqNo: 3239253 Units: mg/L	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	

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#: **2208B58**

08-Sep-22

Client: Glorieta GeoScience

Project: Organ Dairy

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

Client ID: LCSW Batch ID: R90644 RunNo: 90644

Prep Date: Analysis Date: 8/29/2022 SeqNo: 3239253 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	93.4	90	110				
Sulfate	9.6	0.50	10.00	0	95.6	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

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208B58**

08-Sep-22

Client: Glorieta GeoScience

Project: Organ Dairy

Sample ID: MB-69623 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 69623 RunNo: 90429

Prep Date: 8/18/2022 Analysis Date: 8/19/2022 SeqNo: 3227045 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-69623 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 69623 RunNo: 90429

Prep Date: 8/18/2022 Analysis Date: 8/19/2022 SeqNo: 3227046 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#: **2208B58**

08-Sep-22

Client: Glorieta GeoScience

Project: Organ Dairy

Sample ID: MB-69692 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 69692 RunNo: 90524

Prep Date: 8/23/2022 Analysis Date: 8/24/2022 SeqNo: 3232747 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-69692 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 69692 RunNo: 90524

Prep Date: 8/23/2022 Analysis Date: 8/24/2022 SeqNo: 3232748 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

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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Glor	ieta GeoScience	Work Order Nun	nber: 2208B58		RcptNo:	1
Received By: Kas	sandra Payan	8/18/2022 10:35:0	0 AM	He		
Completed By: Tra	cy Casarrubias	8/18/2022 1:19:13	PM	′/		
Reviewed By:	8-18-ZZ					
Chain of Custody						
1. Is Chain of Custody	/ complete?		Yes 🗸	No 🗌	Not Present	
2. How was the samp	le delivered?		Client			
<u>Log In</u>						
3. Was an attempt ma	de to cool the samples?		Yes 🗸	No 🗌	NA 🗌	
4. Were all samples re	ceived 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 vo	lume for indicated test(s)?	Yes 🗸	No 🗌		
	VOA and ONG) properl		Yes 🗸	No 🗌		
8. Was preservative ac			Yes	No 🗸	NA 🗆	
9. Received at least 1 v	vial with headspace <1/4	" for AQ VOA?	Yes 🗸	No 🗌	NA 🗌	
10. Were any sample co	ontainers received broke	n?	Yes	No 🗸	# of preserved	
11. Does paperwork ma (Note discrepancies			Yes 🗸	No 🗆	bottles checked for pH:	12 unless noted)
12. Are matrices correct	ly identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what analy			Yes 🗸	No 🗌		
Were all holding time (If no, notify custome			Yes 🗸	No 🗆	Checked by: 5	a 8 (18/12
Special Handling (i						
15. Was client notified o		his order?	Yes	No 🗌	NA 🗹	
Person Notifie	d: [Date	. [
By Whom:		Via:	eMail	Phone Fax	☐ In Person	
Regarding:					A	
Client Instructi	ons:					
16. Additional remarks:						
17. Cooler Information	1					
		al Intact Seal No	Seal Date	Signed By		
2.1	Good Not	Present				

onam-or-oustody Necord				Turn-Around	Time:	Salah Sa Salah Salah Sa				_										n.	
Client:	α		Greoschen we	-	d □ Rush	1													NT		
	0, 10.	, w.	120000	Project Nam												al.co			210		
Mailing	Address	;; ₁₄	23 2 ^{wd} St.	0	gan Da	ad		40	01 LI									7400			
San	<u></u>		NM, 87505	Project #:	Jan Jan		1		el. 50					8		e, NI 345-					
Phone		,	835446	1				16	a. 50	13-34	.J-38	-	PERSONAL PROPERTY.	The second second	and the control of th	uest	-		8.96		
email o			, , , , ,	Project Mana	ager:		_	<u></u>					SO ₄			distant			0.27.00		
QA/QÇ	Package:			1			3021	MR	PCB's		S			0		pser					
Star	dard		☐ Level 4 (Full Validation)	50	em Carve	r	TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	В		8270SIMS		, PO ₄ ,			Total Coliform (Present/Absent)					
Accred			ompliance		JStar	es sum segne ses	TME	빕	8081 Pesticides/8082	<u>=</u>	827		NO ₂ ,			ese.	504	Noz			
□ NEL	AC (Type)	□ Othe	r	On Ice: # of Coolers:	☐ Yes	□ No	_	88	les/8	EDB (Method 504.1)	PAHs by 8310 or	SE	NO ₃ , I		8270 (Semi-VOA)	P.	3				
	(Type)_	Ī			O(including CF): Z	1-0=71 (°C)	MTBE	0)05	ticid	thod	831			<u>A</u>	i -i	form	- 1	>			
							-	8015	Pes	(Me	b b	A 8 I	Ŗ,	8	(Se	S	TD5,	7			
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2208BSB	втех /	P.H.	081	BE	Ä.	S	CI, F,	8260 (VOA)	270	otal	H	-			
8/17/22		Ag	Tarana di La Carana	1x500 WL	1/2504		Ш		- W	<u>"</u>	╫	-		ω	ω .		×	У	+	+	+
1	0,	1	MW 126-13	1	, ,	001			-1		+				-			7	+		+
+	1030		MW 176-17			002	\vdash	\vdash	\dashv	\dashv	\dashv	-	\dashv	-	-	-	+	+		+	+
+	10000		1,40,44,440			-003			\dashv	\dashv	\dashv	_	-	\dashv			\perp	+	+	+-	+
4	1120	*	LRG-4585	#	4	003			_	\dashv	\dashv	\dashv	\dashv	-			•	*	+	+	+
				-					_	\dashv	-	-	\dashv	\dashv			-	\dashv	\dashv	_	+
								_	_	\dashv	\dashv	-	\dashv	_		_	_	\dashv	+	_	+
									_	_	4	_	_	_				\dashv	\perp		_
					1				_	\dashv	_	\dashv	\dashv					\dashv	_		_
										\dashv	\dashv	_	_				_	_	\dashv		╄
										\dashv	4	\dashv					_	\dashv	_	_	_
										\dashv	_	_	_			_		_	\perp		_
Date:	Time:	Relinquish	od by:	Pagained him	Via:	Date Time												-			
1 1	_	ار بر	eu by.	Received by:		8-18-22 10-35	Rem	narks	5.												
8 \ 1 \ Z Date:	\0 55 Time:	Relinquish	ed by:	Received by:	Via:	Date Time															
			5																		
		l .		L			l.														



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

March 30, 2023

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

RE: Dominguez Dairy 1 OrderNo.: 2303766

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/15/2023 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 **2303766**

Date Reported: 3/30/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: LRG-00591-5

 Project:
 Dominguez Dairy 1
 Collection Date: 3/14/2023 3:25:00 PM

 Lab ID:
 2303766-001
 Matrix: GROUNDWA
 Received Date: 3/15/2023 9:20:00 AM

Analyses	Result	esult RL Qual Units				Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	1100	50	*	mg/L	100	3/15/2023 3:38:13 PM	R95304
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/15/2023 3:25:49 PM	R95304
Nitrogen, Nitrate (As N)	27	1.0	*	mg/L	10	3/15/2023 3:25:49 PM	R95304
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3500	50.0	*	mg/L	1	3/22/2023 10:14:00 AM	73803
SM 4500 NORG C: TKN						Analyst	: DML
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/29/2023 12:33:00 PM	73931

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303766

Date Reported: 3/30/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: LRG-00591-5-2

 Project:
 Dominguez Dairy 1
 Collection Date: 3/14/2023 3:50:00 PM

 Lab ID:
 2303766-002
 Matrix: GROUNDWA
 Received Date: 3/15/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	1200	50	*	mg/L	100	3/15/2023 4:03:02 PM	R95304
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/15/2023 3:50:38 PM	R95304
Nitrogen, Nitrate (As N)	27	1.0	*	mg/L	10	3/15/2023 3:50:38 PM	R95304
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3470	50.0	*	mg/L	1	3/22/2023 10:14:00 AM	73803
SM 4500 NORG C: TKN						Analyst	: DML
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/29/2023 12:33:00 PM	73931

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303766

30-Mar-23

Client: EA Engineering Alb **Project:** Dominguez Dairy 1

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: **R95304** RunNo: 95304 Prep Date: Analysis Date: 3/15/2023 SeqNo: 3447029 Units: mg/L Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result 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: **R95304** RunNo: 95304 Prep Date: Analysis Date: 3/15/2023 SeqNo: 3447030 Units: mg/L SPK value SPK Ref Val %RFC Analyta Pocult Lowl imit Highl imit %PPD **RPDLimit** Qual

Allalyto	rtcsuit	ı QL	Of It value	Of ICICCI vai	/orkEO	LOWLIIIII	riigiiLiiiit	701 XI D	171
Chloride	4.8	0.50	5.000	0	95.0	90	110		
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	97.7	90	110		
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	100	90	110		

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RLReporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303766**

30-Mar-23

Client: EA Engineering Alb
Project: Dominguez Dairy 1

Sample ID: MB-73803 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73803 RunNo: 95453

Prep Date: 3/20/2023 Analysis Date: 3/22/2023 SeqNo: 3452934 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73803 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73803 RunNo: 95453

Prep Date: 3/20/2023 Analysis Date: 3/22/2023 SeqNo: 3452935 Units: mg/L

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

Total Dissolved Solids 1010 50.0 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: 2303766 RcptNo: 1 Received By: Joseph Alderette 3/15/2023 9:20:00 AM Completed By: **Tracy Casarrubias** 3/15/2023 9:31:16 AM Reviewed By: KPG 3.15.23 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? No 🔲 Yes 🗸 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 NA 🗌 Yes 🗸 Sample(s) in proper container(s)? No 🗆 Yes 🔽 No \square Sufficient sample volume for indicated test(s)? Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? Yes 🔽 8. Was preservative added to bottles? No 🔽 Yes 🗌 NA 🗆 9. Received at least 1 vial with headspace <1/4" for AQ VOA? NA 🔽 Yes 🗌 No 🗔 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) (<2)or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Yes 🔽 No \square 13. Is it clear what analyses were requested? No 🗌 Yes 🗹 Checked by: 7 3 15 2 3 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: 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 Good Not Present

Onam-or-oustody record				Turn-Around	Time:										<i>,</i>					
Client:				- │ ☑ Standard	□ Rush	า			1					EN' YSI						
	ineering Address		, and Technology	Project Name	e :				40	01 11		www	v.halle	enviror	mer	ntal.co	om		.	` .
320 Go	ld Ave S	W Suite		Project #:	ur Dain	1				el. 50				Albuqı Fax	-	ue, ivi 5-345-				
Phone	#:	505-715	-4279										An	alysis	Red	quest				All S
email o	r Fax#:		rmullen@eaest.com	Project Mana	ager:	í			300.											
QA/QC □ Stan	Package: idard		☐ Level 4 (Full Validation)		Gina Mullen				ethod 3	O				98						
Accredi		☐ Az Co	ompliance	Sampler: On Ice:	Angel N. Riv	era			EPA M	NORG	300	СМОР	0	A 6010B						
	(Type)			# of Coolers:			You.		tes	8	Ä	94	A 300	S E	_					
Date	Time	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type	Though the same of the same of	No.		Nitrate/Nitrites EPA Method 300	TKN SM 4500 NORG	Chloride EPA	TDS SM 2540 C	Sulfate EPA	Phosphorus EPA	Total Sulfur					
3-14	15:25	Gw	LRG-00591-S	2		100			$\overline{}$	×		_			Ť				_	
3-14	15:50	1	LRG-00591-5-2	2		200				-	X									
																			+	
																П				
										_										
										_	_									
										_		_	_	-	_		_	_	<u> </u>	
									_		_			_	_	$\left \cdot \right $			+	
	<u> </u>								\dashv	\dashv	-		+		-	\vdash			+	
Date: 344	Time:	Relinquish	l ed by: Lan	Received by:	Via: Fed &	Date 3/5-23	Time 9:70	Rem	nark	l s:									1	<u> </u>
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date	Time													
	If nonconner	complete sub	mitted to Hall Environmental may be out	contracted to other -	annedited leberates	as This server		!	t- 1114 .	A	.b .a.a.:-	4	-1 -1 - 4	- ام حا ال			Ala a a : :	ن اممالا ا		



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

March 28, 2023

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

RE: Bright Star Dairy OrderNo.: 2303768

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/15/2023 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 **2303768**

Date Reported: 3/28/2023

Hall Environmental Analysis Laboratory, Inc.

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

 Project:
 Bright Star Dairy
 Collection Date: 3/14/2023 1:05:00 PM

 Lab ID:
 2303768-001
 Matrix: GROUNDWA
 Received Date: 3/15/2023 9:20:00 AM

Analyses	Result	Result RL Qual Units				Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	800	50	*	mg/L	100	3/15/2023 4:22:53 PM	R95311
Nitrogen, Nitrate (As N)	15	1.0	*	mg/L	10	3/15/2023 3:44:41 PM	R95311
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2720	50.0	*	mg/L	1	3/22/2023 10:14:00 AM	73803
SM 4500 NORG C: TKN						Analyst	: DML
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/24/2023 2:00:00 PM	73885

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Result

40

PQL

1.0

WO#: 2303768

28-Mar-23

Client: Project:	EA Engin Bright Sta	_	b											
Sample ID:	МВ	SampT	ype: mb	lk	Tes	tCode: EP	A Method	300.0: Anions						
Client ID:	PBW	Batch	ID: R9	5311	F	RunNo: 95	311							
Prep Date:		Analysis D	ate: 3/	15/2023	9	SeqNo: 34	47306	Units: mg/L						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Chloride		ND	0.50											
Nitrogen, Nitrat	e (As N)	ND	0.10											
Sample ID:	LCS	SampT	ype: Ics		Tes	tCode: EP	A Method	300.0: Anions						
Client ID:	LCSW	Batch	ID: R9	5311	F	RunNo: 95	311							
Prep Date:		Analysis D	ate: 3/	15/2023	023 SeqNo: 3447307 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	94.4	90	110						
Nitrogen, Nitrat	e (As N)	2.5	0.10	2.500	0	100	90	110						
Sample ID:	2303768-001AMS	SampT	ype: ms	1	Tes	tCode: EP	A Method	300.0: Anions						
Client ID:	LRG-00953	Batch	ID: R9	5311	F	RunNo: 95	311							
Prep Date:		Analysis D	ate: 3/	15/2023	5	SeqNo: 34	47311	Units: mg/L						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Nitrogen, Nitrat	e (As N)	40	1.0	25.00	14.86	102	87.7	111						
Sample ID:	2303768-001AMSD	SampT	ype: ms	d	Tes	tCode: EP	A Method	300.0: Anions						
Client ID:	LRG-00953	Batch	ID: R9	5311	F	RunNo: 95	311							
Prep Date:		Analysis D	ate: 3/	15/2023	2023 SeqNo: 3447312 Units: mg/L									

SPK value SPK Ref Val

14.86

25.00

Qualifiers:

Analyte

Nitrogen, Nitrate (As N)

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value

%REC

101

LowLimit

87.7

HighLimit

111

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

RPDLimit

20

Qual

%RPD

0.233

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303768

28-Mar-23

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

Sample ID: MB-73803 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73803 RunNo: 95453

Prep Date: 3/20/2023 Analysis Date: 3/22/2023 SeqNo: 3452934 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73803 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73803 RunNo: 95453

Prep Date: 3/20/2023 Analysis Date: 3/22/2023 SeqNo: 3452935 Units: mg/L

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

Total Dissolved Solids 1010 50.0 1000 101 120

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RLReporting Limit Page 3 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303768

28-Mar-23

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

Sample ID: MB-73885 SampType: MBLK TestCode: SM 4500 Norg C: TKN

PBW Client ID: Batch ID: 73885 RunNo: 95550

Prep Date: 3/23/2023 Analysis Date: 3/24/2023 SeqNo: 3456321 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-73885 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73885 RunNo: 95550

Prep Date: 3/23/2023 Analysis Date: 3/24/2023 SeqNo: 3456322 Units: mg/L

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

Nitrogen, Kjeldahl, Total 9.9 1.0 10.00 99.4 80 120

Sample ID: 2303768-001AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: LRG-00953 Batch ID: 73885 RunNo: 95550

Prep Date: Analysis Date: 3/24/2023 SeqNo: 3456324 Units: mg/L 3/23/2023

SPK value SPK Ref Val Analyte Result PQL %REC LowLimit HighLimit %RPD **RPDLimit** Qual Nitrogen, Kjeldahl, Total 20.00 D 2.0

Sample ID: 2303768-001AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: Batch ID: 73885 RunNo: 95550 LRG-00953

2.0

15

Analysis Date: 3/24/2023 Prep Date: 3/23/2023 SeqNo: 3456325 Units: mg/L

20.00

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

74.2

75

125

31.7

20

RSD

Qualifiers:

Nitrogen, Kjeldahl, Total

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Е Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name: EA Engineering	Work Order Num	nber: 2303768		RcptNo:	1
Received By: Joseph Alderette	3/15/2023 9:20:00	АМ	· gt		
Completed By: Tracy Casarrubias	3/15/2023 9:34:54	AM	-		
Reviewed By: WPC1 3.13	5.23				
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 sales.	amples?	Yes 🗹	No 🗌	na 🗆	
4. Were all samples received at a tem	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 headsp	ace <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
0. Were any sample containers receive	ed broken?	Yes	No 🗹	# of preserved	
11. Does paperwork match bottle labels (Note discrepancies on chain of cus		Yes 🗹	No 🗆	bottles checked for pH:	>12 unless noted)
2. Are matrices correctly identified on 0	Chain of Custody?	Yes 🗹	No 🗆	Adjusted?	40
3. Is it clear what analyses were reque		Yes 🗹	No 🗌		4. 21.1-
Were all holding times able to be me (If no, notify customer for authorizati		Yes 🗹	No 🗌	Checked by:	JN 2117
Special Handling (if applicable)				
15. Was client notified of all discrepand	ies with this order?	Yes	No 🗌	na 🗹	
Person Notified: By Whom:	Date Via:	f	Phone Fax	☐ In Person	
Regarding: Client Instructions:					
16. Additional remarks:					
17. Cooler Information Cooler No Temp °C Condit	ion Seal Intact Seal No	Seal Date	Signed By		
1 1.0 Good	Not Present Yogi				

Cham-or-oustody Necord			Turn-Around	Time:				350	A					NI NA	TE	0		4=	NT	- 4 1	E	
Client:				✓ Standard	□ Rush	າ			\vdash											TC		
EA Enc	ineerina.	Science.	and Technology	Project Name		A a	,						w.hal									
	Address		J,	Bright	Stur Da	im			4	1901	- Hawk	kins I	NE -	Alb	uque	erqu	e, Ni	VI 87	109			
320 Gc	ld Ave S	W Suite		Project #:	Stur Da					Tel. 5							345-					
Phone	#:	505-715	-4279										A	naly	sis l	Req	uest					
email o	r Fax#:		rmullen@eaest.com	Project Mana	iger:				8	300			i i					-				
QA/QC	Package:				Gina Mullen										_							
□ Star	ndard		☐ Level 4 (Full Validation)					_				2			5							
			mpliance	Sampler: On Ice:	Angel N. Riv	era □ No				Nitrate/Nitrites EPA inethod TKN SM 4500 NORG C	300	MOD			Phosphorus EPA 6010B							
O NEL	(Type) _	□ Other						4			A 3	000	8		品							
	/ (1906) <u>-</u>	1		Cooler Temp	(including CF): 1.0	7 - 65	100	-		11116 	EPA	SM 2540 C	<u>H</u>		SILIS	真						
				1							ig	SM	[면 면		ohd	Sul						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	Commence of the con-	13768			Nitrat TK at	Chloride	TDS	Sulfate EPA 300		hos	Total Sulfur						
3-14	13:05	· · · · · · · · · · · · · · · · · · ·	LRG-00953	2	.,,,,,		13740	50	\neg	L X	100	10000000	0)	\dashv	-	_	\dashv	\dashv	\dashv	\dashv	-	\dashv
0.1	10.03	Cloo	- Fac (0 1) 5			001			+		_	^		-			\dashv	\dashv	\dashv	\dashv	-	
	-					N.			_	4	╄			_			\square			\dashv	_	_
						- 0-			_	_	<u> </u>								\rightarrow	_	_	
												ļ								\dashv	\perp	
																		\Box	\Box			
						1																
																						76
									Т													
Date:	Time:	Relinquish		Received by:	Via:	D: 3:15	ate Time	R	ema	rks:												
3-14 Date:	17:50	Chil	nn	1	fed ex			U														
Date:	Time:	Relinquish	ed by:	Received by:	Via:	D	ate Time															



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

March 30, 2023

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

TEL: FAX:

RE: Sunset Dairy OrderNo.: 2303839

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/16/2023 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 2303839

Date Reported: 3/30/2023

Hall Environmental Analysis Laboratory, Inc.

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

Project: Sunset Dairy Collection Date: 3/15/2023 1:28:00 PM 2303839-001 Lab ID: Matrix: GROUNDWA **Received Date:** 3/16/2023 8:40:00 AM

Analyses	Result	Result RL Qual Units				Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	340	50	*	mg/L	100	3/16/2023 8:46:22 PM	R95351
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/16/2023 8:33:30 PM	R95351
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/16/2023 8:33:30 PM	R95351
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	:: RBC
Total Dissolved Solids	1360	50.0	*	mg/L	1	3/23/2023 3:37:00 PM	73857
SM 4500 NORG C: TKN						Analyst	: DML
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/28/2023 10:36:00 AM	73948

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303839

Date Reported: 3/30/2023

Hall Environmental Analysis Laboratory, Inc.

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

Project: Sunset Dairy Collection Date: 3/15/2023 2:20:00 PM 2303839-002 Lab ID: Matrix: GROUNDWA **Received Date:** 3/16/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	730	50	*	mg/L	100	3/16/2023 9:12:06 PM	R95351
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/16/2023 8:59:14 PM	R95351
Nitrogen, Nitrate (As N)	8.3	1.0		mg/L	10	3/16/2023 8:59:14 PM	R95351
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	:: RBC
Total Dissolved Solids	2480	50.0	*	mg/L	1	3/23/2023 3:37:00 PM	73857
SM 4500 NORG C: TKN						Analyst	: DML
Nitrogen, Kjeldahl, Total	1.8	1.0		mg/L	1	3/28/2023 10:36:00 AM	73948

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303839

30-Mar-23

Client: EA Engineering **Project:** Sunset Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: **R95351** RunNo: 95351 Prep Date: Analysis Date: 3/16/2023 SeqNo: 3448954 Units: mg/L Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result 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: **R95351** RunNo: 95351 Prep Date: Analysis Date: 3/16/2023 SeqNo: 3448955 Units: mg/L SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL SPK value LowLimit HighLimit Qual Chloride 4.8 0.50 5.000 0 96.7 90 110 Nitrogen, Nitrite (As N) 0.99 0.10 1.000 0 99.2 90 110 Nitrogen, Nitrate (As N) 0 101 2.5 0.10 2.500 90 110

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303839**

30-Mar-23

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-73857 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73857 RunNo: 95520

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454955 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73857 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73857 RunNo: 95520

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454956 Units: mg/L

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

Total Dissolved Solids 995 50.0 1000 0 99.5 80 120

Sample ID: 2303839-001ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: **LRG-3348-B** Batch ID: **73857** RunNo: **95520**

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454958 Units: mg/L

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

Total Dissolved Solids 1370 50.0 0.733 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303839**

30-Mar-23

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-73948 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73948 RunNo: 95610

Prep Date: 3/27/2023 Analysis Date: 3/28/2023 SegNo: 3459907 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-73948 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73948 RunNo: 95610

Prep Date: 3/27/2023 Analysis Date: 3/28/2023 SeqNo: 3459908 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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	EA Engineeri	no	Work	Order Number	er: 230	3839			RcptNo:	1
	g		175110	Trace Hamb	<u></u>	2000			Nopito.	-
Received By:	Sean Living	ston	3/16/20	23 8:40:00 A	М		Sa	_L	not	
Completed By:	Desiree Dor	ninguez	3/16/20	23 8:54:12 A	М		D	>		
Reviewed By:	ff 3-16-1	13					-			
Chain of Cus	tody									
1. Is Chain of C		e?			Yes	V	No		Not Present	
2. How was the	sample deliver	ed?			Fed	<u>Ex</u>				
Log In										
3. Was an atter	npt made to co	ol the samp	oles?		Yes	V	No		NA 🗌	
4. Were all samp	ples received a	t a tempera	ature of >0°C	to 6.0°C	Yes		No	V	NA 🗆	
.							not frozen	r		
5. Sample(s) in	proper containe	er(s)?			Yes	V	No	Ш		
6. Sufficient sam	ple volume for	indicated t	est(s)?		Yes	V	No			
7. Are samples (except VOA an	d ONG) pr	operly preserve	ed?	Yes	V	No			
8. Was preserva	tive added to b	ottles?			Yes		No	V	NA 🗆	
9. Received at le	east 1 vial with l	neadspace	<1/4" for AQ V	OA?	Yes		No		NA 🗹	
10. Were any san	nple containers	received b	oroken?		Yes		No	Y		
						_		_	# of preserved bottles checked	,
11. Does paperwo	ork match bottle ancies on chain		Λ		Yes	✓	No		for pH:	>12 unless noted)
2. Are matrices of		=	•		Yes	V	No		Adjusted?	JB
3. Is it clear what					Yes	V	No			
4. Were all holdin	ng times able to ustomer for aut				Yes	V	No		Checked by:	1 3.16.20
Special Handl		•	•							
15. Was client no	Street Market		with this order?	•	Yes		No		NA 🗹	
Person	Notified:			Date:						
By Who	om: 🗀			Via:	eM	ail [] Phone [Fax	☐ In Person	
Regardi	ing:		***********							
Client Ir	nstructions:									
16. Additional rei	marks:									
17. Cooler Infor	mation									
Cooler No		Condition	Seal Intact	Seal No	Seal D	ate	Signed E	Зу	· ·	
1	-1.8	Good	Not Present							

C	hain-	of-Cu	stody Record	Turn-Around	Time:					H	IA	LL	EN	W	TR	20	NN	1F	NT	Δ.	
Client:				☑ Standard	□ Rush							AL'									
EA Eng	ineering,	Science,	and Technology	Project Name	e :						www	v.halle	envi	ronn	nent	al.cc	m				
Mailing	Address	•		Sunset Dairy				490)1 H	awki	ns N	1E -	Albı	uque	erque	e, Ni	vi 87	109			
320 Gol	ld Ave S	W Suite		Project #:		Î		Те	I. 50	5-34	5-39	-		M 1000	and the same of the	4000	4107	7			
Phone #	# :	505-715-	4279									Ar	nalys	sis F	₹eq	uest					
email o	r Fax#:		rmullen@eaest.com	Project Mana	ger:			300.													
	Package:				Gina Mullen			thod	ان					<u>۾</u>							
□ Stan			☐ Level 4 (Full Validation)					Σ			8			6010B							
Accredi □ NEL		☐ Az Co☐ Other	mpliance	Sampler: On Ice:	Angel N. Rive	era □ No		EPA Method	N P	300	Σ O	8		EPA 6							
	(Type)			# of Coolers:	1	Your		es	8	۲	40	A 3(SE							
		Matrix	Sample Name	Cooler Temp Container Type and #	(Including CF): — Preservative Type	2 0 +0.5=-1×=-		Nitrate/Nitrites	TKN SM 4500 NORG	Chloride EPA 300	TDS SM 2540 C MOD	Sulfate EPA 300		Phosphorus	Total Sulfur						
			LRG-3348-B	2		-001									_						
	200 200	l .	LRG- 3348-AS	2		-002				X	- 05										
								te													
	Λ.																				
																				_	
													_	_				_	_		
																			_	_	\perp
																			\dashv		
										_		_		_		\vdash	_				
	-						-					\square	_	_						_	
							-					\vdash				_			\rightarrow	_	
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date Time	Ren	nark	<u> </u>		01-4	not		No. 1		501	0/:				
	17:55	1 .	l hn	Sec.	Feder	3/16/10 8:40	1.00	i ici N	٠. ر	۱۲۲۰۰۰ د	ir Hes	1101	[-1	020	n	J674	3/1	p/23			
3-15 Date:	Time:	Relinquish		Received by:	Via:	Date Time															



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

March 30, 2023

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

RE: Del Oro Dairy OrderNo.: 2303852

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/16/2023 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 2303852

Date Reported: 3/30/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-05

Project: Del Oro Dairy Collection Date: 3/15/2023 4:05:00 PM 2303852-001 Lab ID: Matrix: GROUNDWA **Received Date:** 3/16/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: CAS
Chloride	510	50	*	mg/L	100	3/16/2023 7:27:10 PM	R95353
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/16/2023 6:49:56 PM	R95353
Nitrogen, Nitrate (As N)	15	1.0	*	mg/L	10	3/16/2023 6:49:56 PM	R95353
Sulfate	270	5.0	*	mg/L	10	3/16/2023 6:49:56 PM	R95353
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: RBC
Total Dissolved Solids	1800	50.0	*	mg/L	1	3/23/2023 3:37:00 PM	73857
SM 4500 NORG C: TKN						Analyst	: DML
Nitrogen, Kjeldahl, Total	14	2.0	D	mg/L	1	3/28/2023 10:36:00 AM	73948

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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303852

Date Reported: 3/30/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: LRG-5820

 Project:
 Del Oro Dairy
 Collection Date: 3/15/2023 4:45:00 PM

 Lab ID:
 2303852-002
 Matrix: GROUNDWA
 Received Date: 3/16/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: CAS
Chloride	360	50	*	mg/L	100	3/16/2023 7:51:59 PM	R95353
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/16/2023 7:39:35 PM	R95353
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: RBC
Total Dissolved Solids	1310	50.0	*	mg/L	1	3/23/2023 3:37:00 PM	73857
SM 4500 NORG C: TKN						Analyst	: DML
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/28/2023 10:36:00 AM	73948

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303852**

30-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions PBW Client ID: Batch ID: R95353 RunNo: 95353 Prep Date: Analysis Date: 3/16/2023 SeqNo: 3449085 Units: mg/L **PQL** SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result %REC LowLimit HighLimit 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 TestCode: EPA Method 300.0: Anions SampType: Ics Client ID: LCSW Batch ID: **R95353** RunNo: 95353 Prep Date: Analysis Date: 3/16/2023 SeqNo: 3449086 Units: mq/L PQI SPK Ref Val %REC HighLimit %RPD RPDI imit Analyte Result SPK value LowLimit Qual Chloride 4.8 0.50 5.000 0 95.6 90 110 Nitrogen, Nitrite (As N) 0 0.96 0.10 1.000 96.3 90 110 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 100 90 110 0 Sulfate 96.0 9.6 0.50 10.00 90 110

Sample ID: 2303852-001AMS SampType: ms TestCode: EPA Method 300.0: Anions Client ID: EW-05 Batch ID: **R95353** RunNo: 95353 Prep Date: Analysis Date: 3/16/2023 SeqNo: 3449088 Units: mg/L %RPD SPK Ref Val %REC **RPDLimit** Analyte Result **PQL** SPK value LowLimit HighLimit Qual Nitrogen, Nitrite (As N) 8.2 1.0 10.00 0 82.2 83 110 S Nitrogen, Nitrate (As N) 40 1.0 25.00 14.63 101 89.8 110 Sulfate 370 5.0 100.0 269 1 100 110 84.9

Sample ID: 2303852-001AMSD TestCode: EPA Method 300.0: Anions SampType: msd Client ID: EW-05 Batch ID: **R95353** RunNo: 95353 Prep Date: Analysis Date: 3/16/2023 SeqNo: 3449089 Units: mg/L %RPD Analyte POL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Result Nitrogen, Nitrite (As N) 8.3 1.0 10.00 0 82.8 81 110 0.788 20 Nitrogen, Nitrate (As N) 25.00 87.7 40 1.0 14.63 102 111 0.487 20 Sulfate 370 5.0 100.0 269.1 100 84.9 111 0.0561 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303852**

30-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73857 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73857 RunNo: 95520

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454955 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73857 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73857 RunNo: 95520

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454956 Units: mg/L

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

Total Dissolved Solids 995 50.0 1000 0 99.5 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303852**

30-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73948 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73948 RunNo: 95610

Prep Date: 3/27/2023 Analysis Date: 3/28/2023 SeqNo: 3459907 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-73948 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73948 RunNo: 95610

Prep Date: 3/27/2023 Analysis Date: 3/28/2023 SeqNo: 3459908 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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\(\sigma 505-345-4107\)
Website: www.hallenvironmental.com

Sample Log-In Check List

Website: www.hallenvironmental.com Client Name: **EA Engineering** Work Order Number: 2303852 RcptNo: 1 -logot Received By: Sean Livingston 3/16/2023 8:40:00 AM Desiree Dominguez Completed By: 3/16/2023 9:56:50 AM Reviewed By: Chain of Custody No 🗌 Not Present 1. Is Chain of Custody complete? Yes 🔽 2. How was the sample delivered? <u>FedEx</u> Log In No 🗌 3. Was an attempt made to cool the samples? NA 🗌 Yes 🗸 No 🗸 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗌 NA 🗌 Samples not frozen No 🗌 Sample(s) in proper container(s)? Yes 🗹 No 🗀 Yes 🔽 Sufficient sample volume for indicated test(s)? Yes 🗸 No 7. Are samples (except VOA and ONG) properly preserved? No 🗸 NA 🗌 8. Was preservative added to bottles? Yes 🗌 NA 🗸 No 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 Yes \square No 🔽 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗹 No 🗌 for pH: 11. Does paperwork match bottle labels? (<2)or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 Yes 🗹 12. Are matrices correctly identified on Chain of Custody? No 🗌 13. Is it clear what analyses were requested? Yes 🗸 14. Were all holding times able to be met? Yes 🗹 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) NA 🗹 15. Was client notified of all discrepancies with this order? Yes 🗌 No 🗌 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

Not Present Yogi

C	hain	of-Cu	stody Record	Turn-Around	Time:					_											
Client:				Standard	□ Rush	1													NT		,
			, and Technology	Project Name		1										tal.co					
Mailing	Address	:		Del Oro Dair	y			490)1 H	awk	ins 1	NE -	Albi	uque	erqu	e, NN	Л 87′	109			
320 Go	ld Ave S	W Suite		Project #:										-		345-4					
Phone:	#:	505-715	-4279									A	naly	sis I	Req	uest					
email o	r Fax#:		rmullen@eaest.com	Project Mana	ager:			300.													\top
QA/QC I □ Stan	Package:		□ Level 4 (Full Validation)		Gina Mullen			ethod 3	O		0		į	98							
		□ Az Co	mpliance	Sampler:	Angel N. Rive	era	1	Ž	RG		MOD			EPA 6010B							
□ NEL		□ Other	•	On Ice:	Yes Yes	□ No		di l	일	300	()	ွ	ĺ	χ							
	(Type)		H-M-	# of Coolers:		4062		es [8	Ϋ́	2540	30									
				Cooler Temp	(including CF):	2.010.2=1.50		<u> </u>	45	山	25	EP/		SIZ	ᆲ						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type			Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA	TDS SM	Sulfate EPA 300		Phosphorus	Total Sulfur						
3-15	11290	Ew	•	2		-001	П	<u>-</u> 火	_	<u>,</u>	-	X				\top		\top		\top	+
3-15	16:45		LRG-5820	2		No.		X	-	X		\neg	\neg				\top	\top		\top	\top
<u> </u>												\dashv		_	\dashv	\neg	_	+			+
							\vdash		\dashv	-	- 3	\dashv	+	\dashv			\dashv	\dashv	_		+-
									\dashv			\dashv	\dashv		\dashv	\dashv	\dashv	+	+	+	+
									\dashv	\neg	_	\dashv	_				+	+	+	+	+
							Н					\dashv	\neg	\neg				\top		+	+
								\neg			_	\dashv		\neg	\exists	\neg	\dashv	十		+	+
												\neg	\neg			\top	\top	\top			\top
							П											\top			\top
																					\top
																		\exists			\top
Date:	Time:	Relinquish		Received by:	Via:	Date Time	Ren	narks	 3:												
3-15	17:55	al	nn	Suc	teden	3/10/23 8:40															
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date Time															



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

March 31, 2023

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

RE: Buena Vista Dairy 2 OrderNo.: 2303854

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/16/2023 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 2303854

Date Reported: 3/31/2023

Hall Environmental Analysis Laboratory, Inc.

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

Project: Buena Vista Dairy 2 Collection Date: 3/15/2023 10:45:00 AM

Lab ID: 2303854-001 **Matrix:** GROUNDWA **Received Date:** 3/16/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	370	50	*	mg/L	100	3/16/2023 8:41:39 PM	R95353
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/16/2023 8:29:14 PM	R95353
Nitrogen, Nitrate (As N)	2.8	1.0		mg/L	10	3/16/2023 8:29:14 PM	R95353
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	RBC
Total Dissolved Solids	1460	50.0	*	mg/L	1	3/23/2023 3:00:00 PM	73856
SM 4500 NORG C: TKN						Analyst	: DML
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/29/2023 2:44:00 PM	73974

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303854**

31-Mar-23

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: R95353 RunNo: 95353

Prep Date: Analysis Date: 3/16/2023 SeqNo: 3449085 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: R95353 RunNo: 95353

Prep Date: Analysis Date: 3/16/2023 SeqNo: 3449086 Units: mg/L

SPK value SPK Ref Val %REC %RPD Analyte Result PQL LowLimit HighLimit **RPDLimit** Qual Chloride 0.50 5.000 0 95.6 90 110 4.8 Nitrogen, Nitrite (As N) 0.96 0.10 1.000 0 96.3 90 110 0 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 100 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303854

31-Mar-23

Client: EA Engineering Alb
Project: Buena Vista Dairy 2

Sample ID: MB-73856 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73856 RunNo: 95516

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454760 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73856 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73856 RunNo: 95516

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454761 Units: mg/L

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

Total Dissolved Solids 980 50.0 1000 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303854**

31-Mar-23

Client: EA Engineering Alb
Project: Buena Vista Dairy 2

Sample ID: MB-73974 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73974 RunNo: 95667

Prep Date: 3/28/2023 Analysis Date: 3/29/2023 SeqNo: 3462181 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-73974 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73974 RunNo: 95667

Prep Date: 3/28/2023 Analysis Date: 3/29/2023 SeqNo: 3462182 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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

Sample Log-In Check List

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com Client Name: **EA Engineering** Work Order Number: 2303854 RcptNo: 1 -lost Received By: Sean Livingston 3/16/2023 8:40:00 AM Completed By: **Desiree Dominguez** 3/16/2023 9:59:25 AM Reviewed By: Chain of Custody No 🗌 1. Is Chain of Custody complete? Yes 🗹 Not Present 2. How was the sample delivered? **FedEx** Log In No 🗌 3. Was an attempt made to cool the samples? NA 🗌 Yes 🔽 No 🗹 NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C Yes 🗌 Samples not frozen 5. Sample(s) in proper container(s)? Yes 🗹 No 🗌 No 🗀 Yes 🗸 6. Sufficient sample volume for indicated test(s)? No 🗌 Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? No 🗸 NA 🗌 Yes 🗌 8. Was preservative added to bottles? NA 🗹 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 No 🗌 Yes No 🗸 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗹 No 🗌 for pH: 11. Does paperwork match bottle labels? <2)or >12 unless noted) (Note discrepancies on chain of custody) Yes 🔽 No 🗌 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Checked by: 11 3.16.2023 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 discrepancie	es with this order?	Yes [□ No □	NA 🗹
Person Notified:	Dat	e: [
By Whom:	Via	eMail	☐ Phone ☐ Fax	☐ In Person
Regarding:			CONTRACTOR DESCRIPTION OF THE PARTY OF THE P	
Client Instructions:				

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	-1.8	Good	Not Present	Yogi		

	hain	of-Cu	stody Record	Turn-Around	Time:						_											
Client:				Standard	l □ Rush	1		L		H										TO.		,
	ineering Address		, and Technology	Project Name	e :	V						ww	v.hall	envi	ronn	nent	al.co	m			K	Į.
iviaiiiig	Address	·•		Buena Vista	Dairy 2			4	49	01 H	lawk	ins I	NE -	Albu	ıque	erqu	e, NN	/I 87	109			
	ld Ave S			Project #:					Te	el. 50)5-3 ₄	45-3	975	1000	111111111111111111111111111111111111111		345-	4107				
Phone		505-715	······································					KW.					A	nalys	sis l	Req	uest					
	r Fax#:	_	rmullen@eaest.com	Project Mana	•				300				1		- 1	Ì						
QA/QC Star	Package: idard		☐ Level 4 (Full Validation)		Gina Mullen				ethod	၁		۵			0B							
		□ Az Co	mpliance	Sampler:	Angel N. Rive	era			Α)RG		MOD			EPA 6010B							
□ NEL		□ Other		On Ice:	'⊠' Yes				H H	ž	300	ပ	300		<u>M</u>					1		
	(Type) ₋		T	# of Coolers:			YOUT		rites	1200	ΕPA	54(×			<u> </u>						
Date	Time	Matrix	Sample Name	Container	Preservative Type		HEAL No.		Nitrate/Nitrites EPA Method 300	TKN SM 4500 NORG	Chloride EPA	TDS SM 2540 (Sulfate EPA		Phosphorus	Total Sulfur						
3-15	10:45	Gw	CRG-01876	2		_	-001		Х	Х	X	X										T
																\neg			\neg			1
													\dashv	\dashv	\dashv		\dashv	\dashv	_	_	┪	+
								+						\dashv		\neg	\dashv	\dashv	\dashv	_	+	+
								+					-	\neg	+				\dashv	+	_	+
						1	·	\vdash					\neg	\dashv		_		\dashv	_	+	+	+
								-					\dashv	\dashv	\neg	_	\dashv	\neg	+	+	+	+
								 						\dashv	\dashv		\dashv	\neg			+	+
								1						_	\dashv	\dashv	\neg		\dashv		-	+
														\dashv			\neg	\dashv	\neg		+	T
<u></u>							· · · · · · · · · · · · · · · · · · ·	\vdash						$\neg \dagger$					\top	\top	_	\dagger
														\dashv				\top				1
Date: 3-15	Time:	Relinquish	ed by:	Received by:	Via: Tedy	1	Pate Time		nark	 S:											<u>I.</u>	
Date:	Time:	Relinquish	ed by:	Received by:	Via:	D	ate Time															



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

March 31, 2023

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

RE: Big Sky Dairy OrderNo.: 2303851

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/16/2023 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 2303851

Date Reported: 3/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: LRG-4116

 Project:
 Big Sky Dairy
 Collection Date: 3/15/2023 12:30:00 PM

 Lab ID:
 2303851-001
 Matrix: GROUNDWA
 Received Date: 3/16/2023 8:40:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride 400 50 mg/L 100 3/16/2023 4:28:52 PM R95351 Nitrogen, Nitrite (As N) ND 1.0 mg/L 3/16/2023 4:16:26 PM R95351 Nitrogen, Nitrate (As N) R95351 ND 1.0 mg/L 3/16/2023 4:16:26 PM SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: RBC **Total Dissolved Solids** 1440 250 *D 3/23/2023 3:37:00 PM 73857 mg/L 1 SM 4500 NORG C: TKN Analyst: **DML** ND 3/29/2023 2:44:00 PM 73974 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:

- * 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/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#: **2303851**

31-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

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

Client ID: PBW Batch ID: R95351 RunNo: 95351

Prep Date: Analysis Date: 3/16/2023 SeqNo: 3448954 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: R95351 RunNo: 95351

Prep Date: Analysis Date: 3/16/2023 SeqNo: 3448955 Units: mg/L

SPK value SPK Ref Val %REC %RPD Analyte Result PQL LowLimit HighLimit **RPDLimit** Qual Chloride 0.50 5.000 0 96.7 90 110 4.8 Nitrogen, Nitrite (As N) 0.99 0.10 1.000 0 99.2 90 110 0 101 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303851**

31-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73857 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73857 RunNo: 95520

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454955 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73857 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73857 RunNo: 95520

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454956 Units: mg/L

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

Total Dissolved Solids 995 50.0 1000 0 99.5 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303851**

31-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73974 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73974 RunNo: 95667

Prep Date: 3/28/2023 Analysis Date: 3/29/2023 SeqNo: 3462181 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-73974 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73974 RunNo: 95667

Prep Date: 3/28/2023 Analysis Date: 3/29/2023 SeqNo: 3462182 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com Client Name: **EA Engineering** Work Order Number: 2303851 RcptNo: 1 -lost Received By: Sean Livingston 3/16/2023 8:40:00 AM Completed By: **Desiree Dominguez** 3/16/2023 9:54:56 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 No 🗌 3. Was an attempt made to cool the samples? NA 🗌 Yes 🔽 No 🗹 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗌 NA 🗌 Samples not frozen Sample(s) in proper container(s)? Yes 🗹 No 🗔 Yes 🗹 No 🗌 6. Sufficient sample volume for indicated test(s)? No 🗌 Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? No V NA 🗌 8. Was preservative added to bottles? Yes NA 🗹 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 No 🗌 Yes 🗌 No 🗹 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗸 No 🗌 for pH: 11. Does paperwork match bottle labels? (<2) or >12 unless noted) (Note discrepancies on chain of custody) Yes 🗸 No 🗌 12. Are matrices correctly identified on Chain of Custody? No 🗌 Yes 🗸 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? Yes 🗹 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 NA 🗹 15. Was client notified of all discrepancies with this order? No 🗌 Person Notified: Date: By Whom: 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 Not Present Yogi

Chain-of-Custody Record			Turn-Around	Time:																		
Client:				- │ ☑ Standard	□ Rush)				\exists										NT.		
	ineering Address		and Technology	Project Nam	e:								v.hall									
	Address			Big Sky Dair	У				490)1 Ha	awki	ns N	۱E -	Albu	ıque	erque	e, NN	/I 87	109			
320 Gc	ld Ave S	W Suite		Project #:					Те	l. 50	5-34	5-39			_		345-4	4107				
Phone	#:	505-715	-4279									Sortie.	Ar	nalys	sis I	Requ	uest					
email o	r Fax#:		rmullen@eaest.com	Project Mana	ager:				300.													
QA/QC ☐ Star	Package:		☐ Level 4 (Full Validation)		Gina Mullen				thod	ان					<u>_</u>							
		- A- O-	· · · · · · · · · · · · · · · · · · ·	0	AIN Di-				Me			MOD			8							
Accred NEL		☐ Other	mpliance	Sampler: On Ice:	Angel N. Rive ✓ Yes	era □ No			FPA	8	300	S	0		9 A 6							
	(Type)			# of Coolers:		100	i.		es	8	₹	9	300					1				
Date	Time	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type	10 to .z = -	1.800		Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA	TDS SM 2540 C	Sulfate EPA		Phosphorus EPA 6010B	Total Sulfur						
3-15	12:30		LR6-4116	2		-001			$\overline{}$	又		-	"	_	-	ᅱ	\dashv	_	\dashv	\dashv	+	十
	N. 2000					700(1	- 			\dashv	\dashv	\neg				\dashv		+	+
								\vdash	\dashv	-	\dashv	\dashv	\dashv	_	\dashv		-	\dashv	\dashv	_	+	+
										-	\dashv	\dashv	\dashv	-	\dashv	\rightarrow	\dashv	\dashv	-			+-
								\vdash		_	-	\dashv		\dashv	\dashv	\dashv	\dashv	-	\dashv	-	+	+
								\vdash	\dashv	-				-		\dashv	-	-	-		+	+
		1								\dashv	-	-		+	\dashv	-	-		\dashv	_	+	+-
									\dashv	-	-	-		-	-		-	-	-	+	-	+
									-+	\dashv	-	\dashv	_	\dashv	\dashv			-	\dashv	_	-	+
									-	\dashv		\dashv	-	\dashv	\dashv				\dashv	_	+	-
					-			\vdash		\dashv	-				-		\dashv	\dashv	\dashv	\dashv	+	+
	-							$\vdash\vdash$	\dashv	_	-	\dashv	_	-	_			-			_	-
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date Tim	ne	Rem	narke													
3-15	17:55	Olu	lan	Se	Via: Keov	3/14/23		1 (6)1	iai Na	,.												
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date Tim	ne															
	<u> </u>	<u></u>																				



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

April 24, 2023

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

RE: Mountain View Dairy LLC OrderNo.: 2303776

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/15/2023 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued March 30, 2023.

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 2303776

Received Date: 3/15/2023 9:20:00 AM

Date Reported: 4/24/2023

Hall Environmental Analysis Laboratory, Inc.

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

Project: Mountain View Dairy LLC Collection Date: 3/14/2023 10:26:00 AM Matrix: GROUNDWA

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 1000 50 mg/L 100 3/15/2023 9:50:30 PM R95304 Nitrogen, Nitrite (As N) ND 1.0 mg/L 3/15/2023 9:38:06 PM R95304 Nitrogen, Nitrate (As N) 3/15/2023 9:38:06 PM R95304 7.6 1.0 mg/L SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: RBC **Total Dissolved Solids** 3430 100 *HD 4/20/2023 4:21:00 PM 74408 mg/L SM 4500 NORG C: TKN Analyst: **DML** ND 3/29/2023 12:33:00 PM 73931 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:

2303776-001

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Limit

Lab Order 2303776

Date Reported: 4/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb

Client Sample ID: LRG-457-S (Flood)

Project: Mountain View Dairy LLC

Collection Date: 3/14/2023 11:15:00 AM

Lab ID: 2303776-002 **Matrix:** GROUNDWA **Received Date:** 3/15/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analy	st: JMT
Chloride	960	50	*	mg/L	100	3/15/2023 10:15:18 P	M R95304
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/15/2023 10:02:54 P	M R95304
Nitrogen, Nitrate (As N)	2.4	1.0		mg/L	10	3/15/2023 10:02:54 P	M R95304
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	st: RBC
Total Dissolved Solids	3340	100	*HD	mg/L	1	4/20/2023 4:21:00 PM	74408
SM 4500 NORG C: TKN						Analys	st: DML
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/29/2023 12:33:00 P	M 73931

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

Page 2 of 5

Lab Order 2303776

Date Reported: 4/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb
 Project: Mountain View Dairy LLC
 Lab ID: 2303776-003
 Matrix: GROUNDWA
 Client Sample ID: LRG-00952(Dairy Parlor)
 Collection Date: 3/14/2023 12:30:00 PM
 Received Date: 3/15/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analy	zed	Batch
EPA METHOD 300.0: ANIONS							Analyst:	JMT
Chloride	750	50	*	mg/L	100	3/15/2023 10	0:40:07 PM	R95304
Nitrogen, Nitrate (As N)	4.3	1.0		mg/L	10	3/15/2023 10):27:43 PM	R95304
Sulfate	400	5.0	*	mg/L	10	3/15/2023 10):27:43 PM	R95304
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst:	KS
Total Dissolved Solids	2380	50.0	*	mg/L	1	3/22/2023 10	0:14:00 AM	73803
SM 4500 NORG C: TKN							Analyst:	DML
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/29/2023 12	2:33:00 PM	73931

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

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303776**

24-Apr-23

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: **R95304** RunNo: 95304 Prep Date: Analysis Date: 3/15/2023 SeqNo: 3447029 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	SampType: Ics			TestCode: EPA Method 300.0: Anions									
Client ID: LCSW	Batch	n ID: R9	5304	F	RunNo: 9	5304								
Prep Date:	Analysis Date: 3/15/2023 SeqNo: 3447030				447030	Units: mg/L								
Analyte	e Result PQL SPK value S		SPK Ref Val	PK Ref Val %REC LowLimit		HighLimit	%RPD	RPDLimit	Qual					
Chloride	4.8	0.50	5.000	0	95.0	90	110							
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	97.7	90	110							
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	100	90	110							
Sulfate	9.7	0.50	10.00	0	97.1	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 Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303776**

24-Apr-23

Client: EA Engineering Alb

Project: Mountain View Dairy LLC

Sample ID: MB-73803 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73803 RunNo: 95453

Prep Date: 3/20/2023 Analysis Date: 3/22/2023 SeqNo: 3452934 Units: mg/L

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

Total Dissolved Solids ND 50.0

Total Dissolved Solids

Sample ID: LCS-73803 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73803 RunNo: 95453

Prep Date: 3/20/2023 Analysis Date: 3/22/2023 SeqNo: 3452935 Units: mg/L

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

101

Sample ID: MB-74408 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

1000

Client ID: PBW Batch ID: 74408 RunNo: 96194

50.0

1010

Prep Date: 4/19/2023 Analysis Date: 4/20/2023 SeqNo: 3483016 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-74408 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 74408 RunNo: 96194

Prep Date: 4/19/2023 Analysis Date: 4/20/2023 SeqNo: 3483017 Units: mg/L

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

Total Dissolved Solids 997 50.0 1000 0 99.7 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 Above Quantitation Range/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

Website: www.hallenvironmental.com

Sample Log-In Check List

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

Client Name:	EA Engineering	Work Order Num	ber: 2303776		RcptNo: 1	
Received By:	Joseph Alderette	3/15/2023 9:20:00	АМ	A		
Completed By:	Tracy Casarrubias	3/15/2023 9:52:18	AM			
Reviewed By:	7~3/15/23					
Chain of Cus	stody					
1. Is Chain of C	Custody complete?		Yes 🗹	No 🗌	Not Present \square	
2. How was the	sample delivered?		<u>FedEx</u>			
<u>Log In</u>						
3. Was an atter	npt made to cool the samp	es?	Yes 🗹	No 🗌	na 🗆	
4. Were all sam	ples received at a tempera	ture of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sar	nple volume for indicated te	est(s)?	Yes 🗹	No 🗌		
7. Are samples	(except VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗌		
8. Was preserva	ative added to bottles?		Yes 🗌	No 🗹	NA 🗌	
9. Received at l	east 1 vial with headspace	<1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any sa	mple containers received b	roken?	Yes	No 🗹	# of preserved	
	ork match bottle labels? vancies on chain of custody)	Yes 🗹	No 🗌		2 unless noted)
2. Are matrices	correctly identified on Chair	of Custody?	Yes 🗹	No 🗌	Adjusted?	0
3. Is it clear wha	at analyses were requested	?	Yes 🗹	No 🗌	1000	01500
	ing times able to be met? customer for authorization.)		Yes 🗹	No 🗌	Checked b	3.15.23
Special Hand	ling (if applicable)					
15. Was client n	otified of all discrepancies v	vith this order?	Yes 🗌	No 🗌	NA 🗹	
Persor	Notified:	Date	:]			
By Wh		Via:	eMail F	hone Fax	☐ In Person	
Regard						
Client	Instructions:					
16. Additional re	emarks:					
17. Cooler Info	rmation					
Cooler No		Seal Intact Seal No	Seal Date	Signed By		
1	1.0 Good	Yes Yogi				

Chain-of-Custody Record		Turn-Around Time:			HALL ENVIRONMENTAL																
Client:		Project Name: Montain View Daim Project #:			ANALYSIS LABORATORY www.hallenvironmental.com																
EA Engineering, Science, and Technology Mailing Address:																					
					4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107																
320 Gold Ave GVV Galle			1110,000 #.				g1.7500	Te	el. 50)5-34	45-39	The second	Fa alysi	73.1	-	45-41	07	****	No.		
Phone #: 505-715-4279			Drainet Mane			-		ö			1/10	Ail	alysi	5 1	equi	est				NAME OF THE PERSON	
email or Fax#: rmullen@eaest.com			Project Manager:				d 300.				1	1	1	1	1				-1		
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)			Gina Mullen				detho	3 C		٥		6010B	108								
			mpliance	Sampler: Angel N. Rivera				AN	N N	٥	MOD		09	9							
□ NELAC □ Other □ EDD (Type)			On Ice: ☐ Yes ☐ No # of Coolers: 1				SE	Z 0	4 30	0 C	300	EPA	빏								
	(Type)_			# of Coolers: Cooler Temp Container	(including CF): 1.0				Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA 300	S SM 2540	Sulfate EPA	-	<u>ا ۱۰</u>	Total Sulfur					
Date	Time	Matrix	AND THE PROPERTY OF THE PROPER	Type and #	Туре	23037	76		覂	X	<u>ည</u>	TDS	Su		[Ш		
3-14	10:26	GW	LRG-457-(Pivot)	2		001	1		7	X											
3-14 3-14 3-14	11:15	Gw	CRG-457-5 (Flood)	2		002			X	X											
3-14	12:30	Gw	LRG-00952 (Dairy Parlor)	2		003			X	X	X	X									
												\square	_	_	_	_	_	-	\vdash	_	+
														_	_	_	-	-	\vdash	-	
									_		\Box		_	_	4	_		-	\sqcup	_	_
																_			\perp		
																		\perp	Ш		
														_	_	_		_	Ш	_	
Date: 3-14	Time:	Relinquish	ed by:	Received by:	Via: Feder	3.15.73	Time 9:20	Ren	nark	s:											
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date	Time														



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

March 03, 2023

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

RE: Del Oro Dairy OrderNo.: 2302B52

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/28/2023 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 **2302B52**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-04

 Project:
 Del Oro Dairy
 Collection Date: 2/27/2023 11:35:00 AM

 Lab ID:
 2302B52-001
 Matrix: GROUNDWA
 Received Date: 2/28/2023 8:35:00 AM

Analyses	Result RI		Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	430	50	*	mg/L	100	2/28/2023 3:02:26 PM	R94939
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/28/2023 2:49:34 PM	R94939
Nitrogen, Nitrate (As N)	20	1.0	*	mg/L	10	2/28/2023 2:49:34 PM	R94939
Sulfate	190	5.0		mg/L	10	2/28/2023 2:49:34 PM	R94939
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	1450	50.0	*	mg/L	1	3/3/2023 8:58:00 AM	73445
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/2/2023 1:16:00 PM	73473

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2302B52**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-02

 Project:
 Del Oro Dairy
 Collection Date: 2/27/2023 1:02:00 PM

 Lab ID:
 2302B52-002
 Matrix: GROUNDWA
 Received Date: 2/28/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	410	50	*	mg/L	100	2/28/2023 3:28:11 PM	R94939
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/28/2023 3:15:18 PM	R94939
Nitrogen, Nitrate (As N)	21	1.0	*	mg/L	10	2/28/2023 3:15:18 PM	R94939
Sulfate	190	5.0		mg/L	10	2/28/2023 3:15:18 PM	R94939
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	1430	50.0	*	mg/L	1	3/3/2023 8:58:00 AM	73445
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/2/2023 1:16:00 PM	73473

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2302B52**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-03

 Project:
 Del Oro Dairy
 Collection Date: 2/27/2023 2:08:00 PM

 Lab ID:
 2302B52-003
 Matrix: GROUNDWA
 Received Date: 2/28/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: CAS
Chloride	670	50	*	mg/L	100	2/28/2023 4:17:09 PM	R94939
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/28/2023 4:04:18 PM	R94939
Nitrogen, Nitrate (As N)	74	10	*	mg/L	100	2/28/2023 4:17:09 PM	R94939
Sulfate	420	5.0	*	mg/L	10	2/28/2023 4:04:18 PM	R94939
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: DML
Total Dissolved Solids	2520	100	*D	mg/L	1	3/3/2023 8:58:00 AM	73445
SM 4500 NORG C: TKN						Analys	t: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/2/2023 1:16:00 PM	73473

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302B52**

03-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: **R94939** RunNo: 94939 Prep Date: Analysis Date: 2/28/2023 SeqNo: 3432296 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	Samp1	Type: Ics		Tes	tCode: EF	PA Method	300.0: Anions	i		
Client ID: LCSW	Batcl	h ID: R9	4939	F	RunNo: 94	1939				
Prep Date:	Analysis [Date: 2/ 2	28/2023	;	SeqNo: 34	432297	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	94.8	90	110			
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	97.6	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.9	90	110			
Sulfate	9.6	0.50	10.00	0	95.9	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

8 % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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.

WO#: **2302B52**

03-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73445 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73445 RunNo: 94999

Prep Date: 3/1/2023 Analysis Date: 3/3/2023 SeqNo: 3434767 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73445 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73445 RunNo: 94999

Prep Date: 3/1/2023 Analysis Date: 3/3/2023 SeqNo: 3434768 Units: mg/L

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

Total Dissolved Solids 1030 50.0 1000 0 103 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2302B52**

03-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73473 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73473 RunNo: 94983

Prep Date: 3/2/2023 Analysis Date: 3/2/2023 SeqNo: 3434149 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-73473 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73473 RunNo: 94983

Prep Date: 3/2/2023 Analysis Date: 3/2/2023 SeqNo: 3434150 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Work Order Number: 2302B52 RcptNo: 1 **EA Engineering** Received By: Joseph Alderette 2/28/2023 8:35:00 AM Completed By: 2/28/2023 8:49:33 AM **Desiree Dominguez** Reviewed By: 2.28.23 Chain of Custody No \square Not Present Yes 🗸 1. Is Chain of Custody complete? **FedEx** 2. How was the sample delivered? Log In No 🗌 NA 🗍 Yes 🔽 3. Was an attempt made to cool the samples? No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 No 🗌 Yes 🗸 5. Sample(s) in proper container(s)? Yes 🗸 Sufficient sample volume for indicated test(s)? Yes 🗸 No 7. Are samples (except VOA and ONG) properly preserved? No 🗹 Yes 🗌 NA 🗌 8. Was preservative added to bottles? NA 🔽 No 🗌 Yes 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🔽 10. Were any sample containers received broken? # of preserved bottles checked No 🗌 for pH: Yes 🗹 11. Does paperwork match bottle labels? (2) or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 Yes 🗸 13. Is it clear what analyses were requested? Checked by: Yes 🗹 No 🗌 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes \square No 🗔 NA 🗹 15. Was client notified of all discrepancies with this order? Person Notified: Date: eMail Phone Fax In Person By Whom: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Seal Date Signed By Cooler No Temp °C Condition Seal Intact Seal No Not Present You 4.6 Good

C	hain-	-of-Cu	stody Record	Turn-Around	Time:							AI		ENI	/TI	20	NI R	A IS P	MT	A I	
Client:				Standard	□ Rush					_				'SI							,
	ineering Address		and Technology	Project Name);				490)1 Ha	١	vww	.halle	nviror Albuqı	mer	ital.co	om				
320 Go	ld Ave S	W Suite		Project #:										Fax							
Phone :	# :	505-715-	4279		· <u></u>								An	alysis	Rec	quest					
email o	r Fax#:		rmullen@eaest.com	Project Mana	ger:				300												
QA/QC I □ Stan	Package: dard		☐ Level 4 (Full Validation)		Gina Mullen				lethod	C)		۵		10B							
Accredi		□ Az Co	•	Sampler: On Ice:	Angel N. Rive	era □ No			EPA M	NORG	300	C MOD	8	EPA 6010B						ŀ	
□ EDD	(Type)			# of Coolers:	/		Yogi		ites	200	PA	240	Α 3								
Date	Time	Matrix	Sample Name		Preservative Type				Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA 300	TDS SM 2540 C	Sulfate EPA 300	Phosphorus	Total Sulfur						
2-27	11:35	aw	EW-04	2		-00			X	X	X.	X	2								
2-27	13:02	Gw	692-02	2		-00			X	y)	()	4	X								
	14:08		Ew-03	2		- 00			X	X	X,	ν,	X								
															ļ	ļ			\perp		
								Ш		_				\perp							<u> </u>
								Ш		_				\perp	1_	ļ					┶
						A		Ш					_			ļ	Ш	_		_	╄
						1				_	_	_			_	<u> </u>		_	_		
		ļ									_	_	_	4	-	<u> </u>				_	-
								\vdash	\dashv	_		_			-	╄	\sqcup	_	_	+	-
						1		-			_	_	_	+	+	-	\vdash	_	_	-	-
Date: 2-27	Time: 17:25	Relinquish	ed by:	Received by:	Via:	Date Z.ZS-Z3	Time 8:35	Ren	narks	<u> </u>							<u> </u>				
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date	Time														



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

March 30, 2023

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

RE: Del Oro Dairy OrderNo.: 2303852

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/16/2023 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 2303852

Date Reported: 3/30/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-05

Project: Del Oro Dairy Collection Date: 3/15/2023 4:05:00 PM 2303852-001 Lab ID: Matrix: GROUNDWA **Received Date:** 3/16/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: CAS
Chloride	510	50	*	mg/L	100	3/16/2023 7:27:10 PM	R95353
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/16/2023 6:49:56 PM	R95353
Nitrogen, Nitrate (As N)	15	1.0	*	mg/L	10	3/16/2023 6:49:56 PM	R95353
Sulfate	270	5.0	*	mg/L	10	3/16/2023 6:49:56 PM	R95353
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: RBC
Total Dissolved Solids	1800	50.0	*	mg/L	1	3/23/2023 3:37:00 PM	73857
SM 4500 NORG C: TKN						Analyst	: DML
Nitrogen, Kjeldahl, Total	14	2.0	D	mg/L	1	3/28/2023 10:36:00 AM	73948

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303852

Date Reported: 3/30/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: LRG-5820

 Project:
 Del Oro Dairy
 Collection Date: 3/15/2023 4:45:00 PM

 Lab ID:
 2303852-002
 Matrix: GROUNDWA
 Received Date: 3/16/2023 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: CAS
Chloride	360	50	*	mg/L	100	3/16/2023 7:51:59 PM	R95353
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/16/2023 7:39:35 PM	R95353
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: RBC
Total Dissolved Solids	1310	50.0	*	mg/L	1	3/23/2023 3:37:00 PM	73857
SM 4500 NORG C: TKN						Analyst	: DML
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/28/2023 10:36:00 AM	73948

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303852**

30-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions PBW Client ID: Batch ID: R95353 RunNo: 95353 Prep Date: Analysis Date: 3/16/2023 SeqNo: 3449085 Units: mg/L **PQL** SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result %REC LowLimit HighLimit 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 TestCode: EPA Method 300.0: Anions SampType: Ics Client ID: LCSW Batch ID: **R95353** RunNo: 95353 Prep Date: Analysis Date: 3/16/2023 SeqNo: 3449086 Units: mq/L PQI SPK Ref Val %REC HighLimit %RPD RPDI imit Analyte Result SPK value LowLimit Qual Chloride 4.8 0.50 5.000 0 95.6 90 110 Nitrogen, Nitrite (As N) 0 0.96 0.10 1.000 96.3 90 110 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 100 90 110 0 Sulfate 96.0 9.6 0.50 10.00 90 110

Sample ID: 2303852-001AMS SampType: ms TestCode: EPA Method 300.0: Anions Client ID: EW-05 Batch ID: **R95353** RunNo: 95353 Prep Date: Analysis Date: 3/16/2023 SeqNo: 3449088 Units: mg/L %RPD SPK Ref Val %REC **RPDLimit** Analyte Result **PQL** SPK value LowLimit HighLimit Qual Nitrogen, Nitrite (As N) 8.2 1.0 10.00 0 82.2 83 110 S Nitrogen, Nitrate (As N) 40 1.0 25.00 14.63 101 89.8 110 Sulfate 370 5.0 100.0 269 1 100 110 84.9

Sample ID: 2303852-001AMSD TestCode: EPA Method 300.0: Anions SampType: msd Client ID: EW-05 Batch ID: **R95353** RunNo: 95353 Prep Date: Analysis Date: 3/16/2023 SeqNo: 3449089 Units: mg/L %RPD Analyte POL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Result Nitrogen, Nitrite (As N) 8.3 1.0 10.00 0 82.8 81 110 0.788 20 Nitrogen, Nitrate (As N) 25.00 87.7 40 1.0 14.63 102 111 0.487 20 Sulfate 370 5.0 100.0 269.1 100 84.9 111 0.0561 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303852**

30-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73857 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73857 RunNo: 95520

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454955 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73857 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73857 RunNo: 95520

Prep Date: 3/22/2023 Analysis Date: 3/23/2023 SeqNo: 3454956 Units: mg/L

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

Total Dissolved Solids 995 50.0 1000 0 99.5 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303852**

30-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73948 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73948 RunNo: 95610

Prep Date: 3/27/2023 Analysis Date: 3/28/2023 SeqNo: 3459907 Units: mq/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-73948 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73948 RunNo: 95610

Prep Date: 3/27/2023 Analysis Date: 3/28/2023 SeqNo: 3459908 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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\(\sigma\)505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: 2303852 RcptNo: 1 -logot Received By: Sean Livingston 3/16/2023 8:40:00 AM Desiree Dominguez Completed By: 3/16/2023 9:56:50 AM Reviewed By: Chain of Custody No 🗌 Not Present 1. Is Chain of Custody complete? Yes 🔽 2. How was the sample delivered? <u>FedEx</u> Log In No 🗌 3. Was an attempt made to cool the samples? NA 🗌 Yes 🗸 No 🗸 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗌 NA 🗌 Samples not frozen No 🗌 Sample(s) in proper container(s)? Yes 🗹 No 🗀 Yes 🔽 Sufficient sample volume for indicated test(s)? Yes 🗸 No 7. Are samples (except VOA and ONG) properly preserved? No 🗸 NA 🗌 8. Was preservative added to bottles? Yes 🗌 NA 🗸 No 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 Yes \square No 🔽 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗹 No 🗌 for pH: 11. Does paperwork match bottle labels? (<2)or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 Yes 🗹 12. Are matrices correctly identified on Chain of Custody? No 🗌 13. Is it clear what analyses were requested? Yes 🗸 14. Were all holding times able to be met? Yes 🗹 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) NA 🗹 15. Was client notified of all discrepancies with this order? Yes 🗌 No 🗌 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 Not Present Yogi

C	hain	of-Cu	stody Record	Turn-Around	Time:					_											
Client:				Standard	□ Rush	1													NT		,
			, and Technology	Project Name		1										tal.co					
Mailing	Address	:		Del Oro Dair	y			490)1 H	awk	ins 1	NE -	Albi	uque	erqu	e, NN	Л 87′	109			
320 Go	ld Ave S	W Suite		Project #:										-		345-4					
Phone:	#:	505-715	-4279									A	naly	sis I	Req	uest					
email o	r Fax#:		rmullen@eaest.com	Project Mana	ager:			300.													\top
QA/QC I □ Stan	Package:		□ Level 4 (Full Validation)		Gina Mullen			ethod 3	O		0		į	98							
		□ Az Co	mpliance	Sampler:	Angel N. Rive	era	1	Ž	RG		MOD			EPA 6010B							
□ NEL		□ Other	•	On Ice:	Yes Yes	□ No		di l	일	300	()	ွ	ĺ	χ							
	(Type)		H-M-	# of Coolers:		4062		es [8	Ϋ́	2540	30									
				Cooler Temp	(including CF):	2.010.2=1.50		<u> </u>	45	山	25	EP/		SIZ	ᆲ						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type			Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA	TDS SM	Sulfate EPA 300		Phosphorus	Total Sulfur						
3-15	11290	Ew	•	2		-001	П	<u>-</u> 火	_	<u>,</u>	-	X				\top		\top		\top	+
3-15	16:45		LRG-5820	2		No.		X	-	X		\neg	\neg				\top	\top		\top	\top
<u> </u>												\dashv		_	\dashv	\neg	_	+			+
							\vdash		\dashv	-	- 3	\dashv	+	\dashv			\dashv	\dashv	_		+-
									\dashv			\dashv	\dashv		\dashv	\dashv	\dashv	+	+	+	+
									\dashv	\neg	_	\dashv	_				+	+	+	+	+
							Н					\dashv	\neg	\neg				\top		+	+
								\neg			_	\dashv		\neg	\exists	\neg	\dashv	十		+	+
												\neg	\neg			\top	\top	\top			\top
							П											\top			\top
																					\top
																		\exists			\top
Date:	Time:	Relinquish		Received by:	Via:	Date Time	Ren	narks	 3:												
3-15	17:55	al	nn	Suc	teden	3/10/23 8:40															
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date Time															



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

March 21, 2023

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

RE: Del Oro Dairy OrderNo.: 2303108

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/2/2023 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 **2303108**

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-02

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2023 10:05:00 AM

 Lab ID:
 2303108-001
 Matrix: GROUNDWA
 Received Date: 3/2/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF I	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	NAI
Chloride	820	50	*	mg/L	100	3/2/2023 11:46:15 PM	A95004
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/2/2023 11:33:50 PM	A95004
Nitrogen, Nitrate (As N)	130	10	*	mg/L	100	3/2/2023 11:46:15 PM	A95004
Sulfate	450	50	*	mg/L	100	3/2/2023 11:46:15 PM	A95004
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	DML
Total Dissolved Solids	3190	50.0	*	mg/L	1	3/7/2023 10:15:00 AM	73499
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/8/2023 10:14:00 AM	73546

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Lab Order **2303108**

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-01

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2023 11:16:00 AM

 Lab ID:
 2303108-002
 Matrix: GROUNDWA
 Received Date: 3/2/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS					Analyst: NA	ΑI
Chloride	820	50	*	mg/L	100 3/3/2023 12:35:54 AM A95	5004
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 3/3/2023 12:23:29 AM A95	5004
Nitrogen, Nitrate (As N)	130	10	*	mg/L	100 3/3/2023 12:35:54 AM A95	5004
Sulfate	460	50	*	mg/L	100 3/3/2023 12:35:54 AM A95	5004
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: DM	ИL
Total Dissolved Solids	3400	50.0	*	mg/L	1 3/7/2023 10:15:00 AM 734	499
SM 4500 NORG C: TKN					Analyst: EK	KM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 3/8/2023 10:14:00 AM 735	546

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303108**

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-10

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2023 12:55:00 PM

 Lab ID:
 2303108-003
 Matrix: GROUNDWA
 Received Date: 3/2/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	640	50	*	mg/L	100	3/3/2023 1:00:43 AM	A95004
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/3/2023 12:48:19 AM	A95004
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/3/2023 12:48:19 AM	A95004
Sulfate	200	5.0		mg/L	10	3/3/2023 12:48:19 AM	A95004
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	1540	250	*D	mg/L	1	3/7/2023 10:15:00 AM	73499
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/8/2023 10:14:00 AM	73546

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

Lab Order **2303108**

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-08

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2023 4:20:00 PM

 Lab ID:
 2303108-004
 Matrix: GROUNDWA
 Received Date: 3/2/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	430	50	*	mg/L	100	3/3/2023 1:50:22 AM	A95004
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/3/2023 1:13:07 AM	A95004
Nitrogen, Nitrate (As N)	3.0	1.0		mg/L	10	3/3/2023 1:13:07 AM	A95004
Sulfate	190	5.0		mg/L	10	3/3/2023 1:13:07 AM	A95004
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	1330	50.0	*	mg/L	1	3/7/2023 10:15:00 AM	73499
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/8/2023 10:14:00 AM	73546

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

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303108**

21-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: A95004 RunNo: 95004 Prep Date: Analysis Date: 3/2/2023 SeqNo: 3434902 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: Ics	1	Tes						
Client ID: LCSW	Batch	n ID: A9	5004	F	RunNo: 9	5004				
Prep Date:	Analysis D	ate: 3/	2/2023	\$	SeqNo: 3	434903	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	92.7	90	110			
Nitrogen, Nitrite (As N)	0.96	0.10	1.000	0	95.9	90	110			
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0	98.0	90	110			
Sulfate	9.5	0.50	10.00	0	94.9	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 Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303108**

21-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73499 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73499 RunNo: 95063

Prep Date: 3/3/2023 Analysis Date: 3/7/2023 SeqNo: 3437880 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73499 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73499 RunNo: 95063

Prep Date: 3/3/2023 Analysis Date: 3/7/2023 SeqNo: 3437881 Units: mg/L

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

Total Dissolved Solids 1040 50.0 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303108**

21-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73546 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73546 RunNo: 95106

Prep Date: 3/7/2023 Analysis Date: 3/8/2023 SeqNo: 3439540 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-73546 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73546 RunNo: 95106

Prep Date: 3/7/2023 Analysis Date: 3/8/2023 SeqNo: 3439541 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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

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

Sample Log-In Check List

Client Name:	EA Enginee	ering	Work	Order Num	ber: 2303	108		R	ccptNo: 1
Received By:	Desiree D	ominguez	3/2/202	3 10:00:00	AM		D		
Completed By: Reviewed By:	Desiree D		3/2/202	3 10:35:47	AM		D ₃	_	
Chain of Cus	tody							_	_
1. Is Chain of C	ustody compl	ete?			Yes	✓	No	Not Presen	ıt 🗔
2. How was the	sample deliv	ered?			FedE	<u>x</u>			
Log In 3. Was an attempt made to cool the samples?						✓	No 🗆] N/	АП
4. Were all sam	ples received	at a tempera	ature of >0° C	to 6.0°C	Yes	✓	No 🗆] N/	A \square
5. Sample(s) in	proper contai	ner(s)?			Yes	✓	No []	
6. Sufficient san	nple volume f	or indicated t	est(s)?		Yes	~	No 🗆		
7. Are samples	(except VOA	and ONG) pr	operly preserve	ed?	Yes	V	No 🗌		
8. Was preserva	ative added to	bottles?			Yes		No 🗹	NA NA	
9. Received at le	east 1 vial wit	h headspace	<1/4" for AQ \	OA?	Yes		No 🗆	l NA	. 🗹
10. Were any sa	mple containe	rs received l	oroken?		Yes		No 🗹	# of preserved	d
11. Does paperw (Note discrep			n)		Yes	✓	No 🗆	bottles checked for pH:	ed (2) or >12 unless noted)
12. Are matrices					Yes	✓	No 🗆	Adjuste	d? N/8
13. Is it clear wha					Yes	V	No 🗆]	1.
14. Were all holdi (If no, notify c	_)		Yes	V	No 🗆	Checked	by: The 3/2/23
Special Hand	ling (if app	licable)							
15. Was client no	otified of all di	screpancies	with this order?)	Yes		No [] N/	4 🗹
Person By What Regard				Date: Via:	eMa	il 🔲	Phone E	ax	
_	nstructions:								
16. Additional re	emarks:								
17. Cooler Info		1 -	1.			non-cut		No.	
Cooler No	Temp ℃ 0.4	Condition Good	Seal Intact Not Present	Seal No Morty	Seal Da	ite	Signed By		
			-1	<u> </u>					

C	hain-	of-Cu	stody Record	Turn-Around	Time:	A Committee of the Comm						_		TE		AI B	4 = 1	NT		
Client:				Standard	□ Rush	2.			_											,
	ineering, Address		and Technology	Project Name	9 :		ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109													
	old Ave S			Project #:	/		Tel. 505-345-3975 Fax 505-345-4107													
Phone		505-715-	4279	1			ARA					naly		_						
	r Fax#:		rmullen@eaest.com	Project Manager:					\top						T	\top	T		T	
QA/QC □ Star	Package:		☐ Level 4 (Full Validation)	Gina Mullen					ر ا				10B							
Accreditation: Accreditation: Other EDD (Type)				Sampler: Angel N. Rivera On Ice: X Yes □ No					NORG	300 C MOD	300		EPA 6010B							
□ EDE		Matrix	Sample Name	Container		Moety 0-0.2=0.4% HEAL NO. 2303108	-	e/N	TKN SM 4500	Chloride EPA 300 TDS SM 2540 C	te E		Phosphorus E	Total Sulfur						
3-1		Gw	EW-02	2		-001		X	Х	XX	- 0			-		\top	\dashv		1	\top
3-1	1	Gw	EW-01	2		-002		X	2	ХX	1					\top				
3-1	12:55		692-10	2		-003		X,	X	<u>ر</u> کر	X					\neg	\exists			
3-1	16:20		692-08	2		-004		У,	X	ע ע	X				\neg	\Box				
							\vdash	\dashv	+			\dashv	_		\dashv	\dashv	\dashv	+	-	
																	#	士		
	-							_	_				_		\dashv	\dashv	\dashv	+	_	_
							\vdash	\dashv	+	\dashv	 	\vdash	\dashv			\dashv	\dashv	-	-	-
							+-+		_		-					\dashv	\dashv	+	-	+
							\vdash		\dashv	-	+-	\vdash	\dashv	-		\dashv	\dashv	+	+	+
Date: 3-(Date:	Time:	Relinquish Relinquish	lar	Received by:	Via: S Fed E Via:	Date Time 5+ 3/2/73 10:00 Date Time	Rem	arks:				<u> </u>								<u>I</u>
						() 1/														



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

March 23, 2023

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

RE: Dona Ana Dairies OrderNo.: 2303649

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/13/2023 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 **2303649**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/23/2023

CLIENT: EA Engineering Client Sample ID: DAD-27

 Project:
 Dona Ana Dairies
 Collection Date: 3/10/2023 10:53:00 AM

 Lab ID:
 2303649-001
 Matrix: GROUNDWA
 Received Date: 3/13/2023 8:20:00 AM

Analyses	Result RL Qual Units		Units	DF	Date Analyzed	
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	460	50	*	mg/L	100	3/13/2023 3:31:19 PM
Nitrate+Nitrite as N	5.9	1.0		mg/L	5	3/13/2023 8:52:16 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1900	500	*D	mg/L	1	3/20/2023 11:39:00 AM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/22/2023 10:45:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303649**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/23/2023

CLIENT: EA Engineering Client Sample ID: DAD-26

 Project:
 Dona Ana Dairies
 Collection Date: 3/10/2023 12:44:00 PM

 Lab ID:
 2303649-002
 Matrix: GROUNDWA
 Received Date: 3/13/2023 8:20:00 AM

Analyses	Result RL Qual Units		Units	DF	Date Analyzed	
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	720	50	*	mg/L	100	3/13/2023 3:56:01 PM
Nitrate+Nitrite as N	23	1.0	*	mg/L	5	3/13/2023 9:04:37 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2070	100	*D	mg/L	1	3/20/2023 11:39:00 AM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/22/2023 10:45:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303649**

Date Reported: 3/23/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-20

 Project:
 Dona Ana Dairies
 Collection Date: 3/10/2023 2:50:00 PM

 Lab ID:
 2303649-003
 Matrix: GROUNDWA
 Received Date: 3/13/2023 8:20:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed				
EPA METHOD 300.0: ANIONS						Analyst: CAS				
Chloride	840	50	*	mg/L	100	3/13/2023 4:20:41 PM				
Nitrate+Nitrite as N	30	1.0	*	mg/L	5	3/13/2023 9:53:59 PM				
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS				
Total Dissolved Solids	2220	100	*D	mg/L	1	3/20/2023 11:39:00 AM				
SM 4500 NORG C: TKN						Analyst: CJS				
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/22/2023 10:45:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303649**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/23/2023

CLIENT: EA Engineering Client Sample ID: DAD-10

 Project:
 Dona Ana Dairies
 Collection Date: 3/10/2023 4:15:00 PM

 Lab ID:
 2303649-004
 Matrix: GROUNDWA
 Received Date: 3/13/2023 8:20:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed				
EPA METHOD 300.0: ANIONS						Analyst: CAS				
Chloride	440	50	*	mg/L	100	3/13/2023 5:10:05 PM				
Nitrate+Nitrite as N	1.3	1.0		mg/L	5	3/13/2023 10:06:20 PM				
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS				
Total Dissolved Solids	1530	500	*D	mg/L	1	3/20/2023 11:39:00 AM				
SM 4500 NORG C: TKN						Analyst: CJS				
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/22/2023 10:45:00 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range
Page 4 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303649**

Qual

23-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

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

Client ID: PBW Batch ID: R95246 RunNo: 95246

Prep Date: Analysis Date: 3/13/2023 SeqNo: 3444605 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: R95246 RunNo: 95246

Prep Date: Analysis Date: 3/13/2023 SeqNo: 3444606 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit
Chloride 4.7 0.50 5.000 0 94.9 90 110

 Chloride
 4.7
 0.50
 5.000
 0
 94.9
 90
 110

 Nitrate+Nitrite as N
 3.5
 0.20
 3.500
 0
 99.0
 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

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303649**

23-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73759 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450111 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73759 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73759 RunNo: 95376

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450112 Units: mg/L

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

Total Dissolved Solids 998 50.0 1000 0 99.8 80 120

Sample ID: 2303649-003ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: **DAD-20** Batch ID: **73759** RunNo: **95376**

Prep Date: 3/16/2023 Analysis Date: 3/20/2023 SeqNo: 3450116 Units: mg/L

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

Total Dissolved Solids 2140 100 3.76 10 *D

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303649**

23-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73833 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73833 RunNo: 95500

Prep Date: 3/21/2023 Analysis Date: 3/22/2023 SeqNo: 3454557 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-73833 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73833 RunNo: 95500

Prep Date: 3/21/2023 Analysis Date: 3/22/2023 SeqNo: 3454558 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 0 104 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engine	eering	Work Order Number	2303649		RcptNo:	1
Received By: Juan Roj	ias ·	3/13/2023 8:20:00 AM		Heavenly		
Completed By: Desiree I	Dominguez	3/13/2023 9:28:46 AM		TA		
B : 1B	ñ 3·13					
Chain of Custody						
1. Is Chain of Custody com	plete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample deli	vered?		FedEx			
<u>Log In</u>						
3. Was an attempt made to	cool the samples?		Yes 🗹	No 🗌	NA 📙	
4. Were all samples receive	d at a temperature	of >0° C to 6.0°C	Yes 🗌	No 🗹	NA \square	
5. Sample(s) in proper conta	ainer(s)?		Approve Yes	d by client. No		
6. Sufficient sample volume	for indicated test(s	3)?	Yes 🗹	No U		
7. Are samples (except VOA	and ONG) proper	ly preserved?	Yes 🗹	No 🗆		
8. Was preservative added t	to bottles?		Yes 🗌	No 🗹	NA L	
9. Received at least 1 vial w	ith headspace <1/	" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sample contain	ners received broke	en?	Yes	No 🗹	# of preserved	
11. Does paperwork match be			Yes 🗹	No 🗌	bottles checked for pH:	>12 unless noted)
(Note discrepancies on ch	•	Overted also	V	No 🗆		JO
12. Are matrices correctly ide		Custody?	Yes 🗸	No 🗆		
13. Is it clear what analyses v 14. Were all holding times ab			Yes 🗸	No 🗆	Checked by: Č	143/13/
(If no, notify customer for			ies 💌	NO L		
Special Handling (if ap	plicable)					
15. Was client notified of all	discrepancies with	this order?	Yes 🗌	No 🗌	NA 🗹	_
Person Notified:	Γ	Date:				
By Whom:		Via: [eMail	Phone Fax	☐ In Person	
Regarding:	Ţ					
Client Instructions:						
16. Additional remarks:						
17. Cooler Information					1	
Cooler No Temp °C		eal Intact Seal No Stressent Morty	Seal Date	Signed By		

Onain-or-oustouy Record		T um-Albunu	Tillie.		i					A			\/ 1	rD.	N IN I		NIT	AI			
Client:				│	□ Rush	1		HALL ENVIRONMENTAL ANALYSIS LABORATORY													
EA Eng	ineering	Science	, and Technology	Project Name	e:											ental.					1
	Address		<u> </u>	 Dona Ana Da	airies (DAD's)				490)1 Ha						que, I		109			
320 Go	ld Ave S	W Suite		Project #:	· · · · · ·								975			05-34					
Phone:	#:	505-715	-4279										Ar	nalysi	is R	eque	st				
email o	r Fax#:		rmullen@eaest.com	Project Mana	ager:	1			300						\top	la la				-	
QA/QC I	Package:				Gina Mullen				8			ı									
□ Stan	dard		☐ Level 4 (Full Validation)			·			let let	၁၂		۵		{	901.09						
	Accreditation: □ Az Compliance □ NELAC □ Other			Sampler: Angel N. Rivera					Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	300	MOD:		6	00						
	(Type) _	□ Other	-	On Ice: ☐ Yes ☐ No # of Coolers: \ Waty					S E	8	A 3(\$ C	300	6	됩						
	(- 7 - 7			Cooler Temp		7-0-2=6			i i i	145	EPA	12540	EPA		<u>s</u> .	<u></u>					
				Container	Preservative		Net Division		ite/	S	ride	SM	ate		<u>ğ</u> (<u> S</u>					
Date	Time	Matrix	Sample Name	Type and #	Type	230364	19		Nitra	¥	Chloride	TDS	Sulfate	1	Phosphorus	Total Sulfur					
3-10	10:53	Gw	DAD-27	2		-001			X	×		X									\top
3-10	12:44	6w	DAD-26	2		-002			X	メ	X.	χ									\top
3-10	14:50	Gw	DAD-20	2	,	-003			X	X	X,	X									
	16:15		DAD-10	2		-004				X		X									Т
						y)															\Box
						N.															
									_												
																	Ш				\perp
									_	_	_		_					\square	\dashv		\perp
Data	Time	Dalinaviah	ad bu	Danis ad hou	\	5.0		ارد													
Date: 3 -/0	Time:	Relinquish	ed by:	Received by:	Via:	Date Tin	ne 3(13	Rem	arks	5 :											
Date:	17:40 Time:	Relinquish	ed by:	Received by:	Via:	Date Tin		10													
			•																		
	L	<u></u>		1																	



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

March 22, 2023

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

RE: Dona Ana Dairies OrderNo.: 2303588

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/10/2023 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 2303588

Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/22/2023

CLIENT: EA Engineering Client Sample ID: DAD-25

Project: Dona Ana Dairies Collection Date: 3/9/2023 10:51:00 AM 2303588-001 Lab ID: Matrix: GROUNDWA Received Date: 3/10/2023 8:30:00 AM

Analyses	Result	RL Q	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	740	50	*	mg/L	100	3/10/2023 12:08:48 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/10/2023 11:55:56 AM
Nitrogen, Nitrate (As N)	7.7	1.0		mg/L	10	3/10/2023 11:55:56 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1740	500	*D	mg/L	1	3/19/2023 1:10:00 PM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/21/2023 11:10:00 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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

Lab Order **2303588**

Date Reported: 3/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-07

 Project:
 Dona Ana Dairies
 Collection Date: 3/9/2023 12:46:00 PM

 Lab ID:
 2303588-002
 Matrix: GROUNDWA
 Received Date: 3/10/2023 8:30:00 AM

Analyses	Result	RL (RL Qual Units		DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	450	50	*	mg/L	100	3/10/2023 1:25:57 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/10/2023 1:13:06 PM
Nitrogen, Nitrate (As N)	19	1.0	*	mg/L	10	3/10/2023 1:13:06 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2120	100	*D	mg/L	1	3/19/2023 1:10:00 PM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/21/2023 11:10:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303588**

Date Reported: 3/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-21

 Project:
 Dona Ana Dairies
 Collection Date: 3/9/2023 2:55:00 PM

 Lab ID:
 2303588-003
 Matrix: GROUNDWA
 Received Date: 3/10/2023 8:30:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	640	50	*	mg/L	100	3/10/2023 1:51:42 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/10/2023 1:38:49 PM
Nitrogen, Nitrate (As N)	24	1.0	*	mg/L	10	3/10/2023 1:38:49 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2380	100	*D	mg/L	1	3/19/2023 1:10:00 PM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/21/2023 11:10:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303588**

Date Reported: 3/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-09

 Project:
 Dona Ana Dairies
 Collection Date: 3/9/2023 3:58:00 PM

 Lab ID:
 2303588-004
 Matrix: GROUNDWA
 Received Date: 3/10/2023 8:30:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	520	50	*	mg/L	100	3/10/2023 2:17:25 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/10/2023 2:04:33 PM
Nitrogen, Nitrate (As N)	35	1.0	*	mg/L	10	3/10/2023 2:04:33 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1880	100	*D	mg/L	1	3/19/2023 1:10:00 PM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/21/2023 11:10:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303588**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/22/2023

CLIENT: EA Engineering Client Sample ID: DAD-22

 Project:
 Dona Ana Dairies
 Collection Date: 3/9/2023 4:40:00 PM

 Lab ID:
 2303588-005
 Matrix: GROUNDWA
 Received Date: 3/10/2023 8:30:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	870	50	*	mg/L	100	3/10/2023 2:43:09 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/10/2023 2:30:16 PM
Nitrogen, Nitrate (As N)	15	1.0	*	mg/L	10	3/10/2023 2:30:16 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	2320	100	*D	mg/L	1	3/19/2023 1:10:00 PM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/21/2023 11:10:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303588**

22-Mar-23

_	ineering na Dairies									
Sample ID: MB	Samp1	уре: МЕ	BLK	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: PBW	Batcl	n ID: R9	5185	F	RunNo: 9	5185				
Prep Date:	Analysis D	Date: 3/	10/2023	5	SeqNo: 34	142467	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50					<u> </u>		-	
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Sample ID: LCS	Samp1	ype: LC	S	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: LCSW	Batcl	n ID: R9	5185	F	RunNo: 9	5185				
Prep Date:	Analysis D	Date: 3/	10/2023	5	SeqNo: 34	142468	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	95.9	90	110			
Nitrogen, Nitrite (As N)	0.97	0.10	1.000	0	97.3	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	102	90	110			
Sample ID: 2303588-001AMS	Samp1	уре: М	;	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: DAD-25	Batcl	n ID: R9	5185	F	RunNo: 9	5185				
Prep Date:	Analysis D	Date: 3/	10/2023	S	SeqNo: 34	142477	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	87.7	81	110			
Nitrogen, Nitrate (As N)	33	1.0	25.00	7.657	101	87.7	111			
Sample ID: 2303588-001AMS	SD Samp1	уре: М	SD	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: DAD-25	Batcl	n ID: R9	5185	F	RunNo: 9	5185				
Prep Date:	Analysis D	Date: 3/	10/2023	5	SeqNo: 34	142478	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	8.7	1.0	10.00	0	87.0	81	110	0.813	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 standard limits. If undiluted results may be estimated.

33

1.0

25.00

7.657

B Analyte detected in the associated Method Blank

100

87.7

111

0.561

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

20

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303588**

22-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73748 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73748 RunNo: 95368

Prep Date: 3/16/2023 Analysis Date: 3/19/2023 SeqNo: 3449811 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73748 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73748 RunNo: 95368

Prep Date: 3/16/2023 Analysis Date: 3/19/2023 SegNo: 3449812 Units: mg/L

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

Total Dissolved Solids 1000 50.0 1000 0 100 80 120

Sample ID: 2303588-005ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: **DAD-22** Batch ID: **73748** RunNo: **95368**

Prep Date: 3/16/2023 Analysis Date: 3/19/2023 SeqNo: 3449819 Units: mg/L

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

Total Dissolved Solids 2310 100 0.345 10 *D

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303588**

22-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

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

Client ID: PBW Batch ID: 73800 RunNo: 95430

Prep Date: 3/20/2023 Analysis Date: 3/21/2023 SeqNo: 3452206 Units: mq/L

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

Nitrogen, Kjeldahl, Total ND 1.0

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

Client ID: LCSW Batch ID: 73800 RunNo: 95430

Prep Date: 3/20/2023 Analysis Date: 3/21/2023 SeqNo: 3452207 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering	Work Order Number	r: 23035	88		RcptNo	: 1
Received By: Desiree Dominguez	3/10/2023 8:30:00 AM	<i>I</i>	T	2		
Completed By: Desiree Dominguez	3/10/2023 8:36:59 AM	<i>1</i>	I	>		
Reviewed By: KPL 3.10.23						
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 samples'	,	Yes 🖢	Z No		na 🗌	
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 1	Z 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) prope	rly preserved?	Yes 🖢	N o			
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 🗹	
10. Were any sample containers received brok	en?	Yes	No	V	# of preserved	
11. Does paperwork match bottle labels?		Yes 🛚	l No.		bottles checked for pH:	
(Note discrepancies on chain of custody)		165				r >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 🛂				71201210
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🛂	No No		Checked by:	30/3/10/2
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:						
	Seal Intact Seal No St	Seal Date	e Signed	Ву	One against an artist and a second a second and a second	
3.1 3000					J	

C	hain-	of-Cu	stody Record	Turn-Around	Time:					ь	IA	LL	EN	IV.	IR	O	NM	IEI	TV	AL	
Client:				Standard	□ Rush							AL'									
	ineering, Address		and Technology	Project Name Dona Ana Da		li li	www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109														
320 Go	Id Ave S	N Suite		Project #:			Tel. 505-345-3975 Fax 505-345-4107 Analysis Request					0.000000									
Phone 7	# :	505-715-	4279									Ar	alys	is F	Requ	ıest					
email o	r Fax#:		rmullen@eaest.com	Project Mana	_			300												-1	11
QA/QC I □ Stan	⊃ackage: dard		☐ Level 4 (Full Validation)		Gina Mullen			EPA Method	3 C		9			6010B							
Accredi		☐ Az Co☐ Other	mpliance		Angel N. Rive	□ No			4500 NORG	300	C MOD	8		EPA 60							W
□ EDD	(Type)			# of Coolers:	1	YOGE		rites	1500	PA	2540 C	7 3		as	5						
Date	Time	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type	HEAL No. 2303588		Nitrate/Nitrites	TKN SM	Chloride EPA	TDS SM 2	Sulfate EPA 300		Phosphorus EPA	Total Sulfur						
3-9	10:51	Gω	DAD-25	2		-001		X	×	×	X										
3-9	12:46		DAD-07	2		-002		X	X	X	X										
	14:55		DAD-21	2		-003		X	×	X	X										
	15:58		DAD-09	2		-004		X	×	X	X										
3-9	16:40		DAD-22	2		-005		X	X	y	Ľ								\bot		
						V.															\perp
														_					\dashv	_	
				·										_					\perp	_	
_							_					Ш		_	_		_	_	4	_	_
																		_	\dashv	_	
																	_	_	_		_
								_													
Date: 3 -9	Time: 17:52	Relinquish	ed by: Onk	Received by:	Via: Fed E	Date Time × 3/10/23 8:30	Rei	mark	S:												
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date Time															_
								41. 2124	A				حجا النب	مامما		-t-d	tho o	anlution	al renor	-+	



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

March 22, 2023

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

RE: Dona Ana Dairies OrderNo.: 2303499

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/9/2023 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 **2303499**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/22/2023

CLIENT: EA Engineering Client Sample ID: DAD-17

 Project:
 Dona Ana Dairies
 Collection Date: 3/8/2023 10:12:00 AM

 Lab ID:
 2303499-001
 Matrix: GROUNDWA
 Received Date: 3/9/2023 8:45:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	170	50	mg/L	100	3/9/2023 12:55:51 PM
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/9/2023 12:43:31 PM
Nitrogen, Nitrate (As N)	ND	1.0	mg/L	10	3/9/2023 12:43:31 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: DML
Total Dissolved Solids	938	100 *D	mg/L	1	3/17/2023 11:37:00 AM
SM 4500 NORG C: TKN					Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/17/2023 10:55:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303499**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/22/2023

CLIENT: EA Engineering Client Sample ID: DAD-05

Project: Dona Ana Dairies
 Collection Date: 3/8/2023 11:54:00 AM

 Lab ID: 2303499-002
 Matrix: GROUNDWA
 Received Date: 3/9/2023 8:45:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	110	5.0	mg/L	10	3/9/2023 1:08:11 PM
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/9/2023 1:08:11 PM
Nitrogen, Nitrate (As N)	ND	1.0	mg/L	10	3/9/2023 1:08:11 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: DML
Total Dissolved Solids	830	250 *D	mg/L	1	3/17/2023 11:37:00 AM
SM 4500 NORG C: TKN					Analyst: CJS
Nitrogen, Kjeldahl, Total	4.8	1.0	mg/L	1	3/17/2023 10:55:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303499**

Date Reported: 3/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-18

 Project:
 Dona Ana Dairies
 Collection Date: 3/8/2023 1:35:00 PM

 Lab ID:
 2303499-003
 Matrix: GROUNDWA
 Received Date: 3/9/2023 8:45:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	690	50	* mg/L	100	3/9/2023 1:45:14 PM
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/9/2023 1:32:54 PM
Nitrogen, Nitrate (As N)	6.9	1.0	mg/L	10	3/9/2023 1:32:54 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: DML
Total Dissolved Solids	2700	50.0	* mg/L	1	3/17/2023 11:37:00 AM
SM 4500 NORG C: TKN					Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/17/2023 10:55:00 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

rting Limit Page 3 of 7

Lab Order 2303499

Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/22/2023

CLIENT: EA Engineering Client Sample ID: DAD-08

Project: Dona Ana Dairies Collection Date: 3/8/2023 2:40:00 PM 2303499-004 Lab ID: Matrix: GROUNDWA Received Date: 3/9/2023 8:45:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	1600	50	*	mg/L	100	3/9/2023 2:59:19 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/9/2023 2:22:17 PM
Nitrogen, Nitrate (As N)	45	1.0	*	mg/L	10	3/9/2023 2:22:17 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: DML
Total Dissolved Solids	4260	100	*D	mg/L	1	3/17/2023 11:37:00 AM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/17/2023 10:55:00 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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303499**

22-Mar-23

	EA Engineering Dona Ana Dairies	3									
Sample ID: MB	Sam	pType: mk	olk	Tes	tCode: El	PA Method	300.0: Anions	 }			
Client ID: PBW	Ba	tch ID: R9	5163	F	RunNo: 9	5163					
Prep Date:	Analysis	Date: 3/	9/2023	5	SeqNo: 3	441310	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	Sam	pType: Ics	 }	Tes	tCode: El	PA Method	300.0: Anions	 S			
Client ID: LCSW	Ba	tch ID: R9	5163	F	RunNo: 9	5163					
Prep Date:	Analysis	Date: 3/	9/2023	5	SeqNo: 3	441311	Units: mg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	4.9	0.50	5.000	0	97.3	90	110				
Nitrogen, Nitrite (As N)	0.99	0.10	1.000	0	99.3	90	110				
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	103	90	110				
Sample ID: 2303499-0	004AMS Sam	рТуре: т	 S	TestCode: EPA Method 300.0: Anions							
Client ID: DAD-08	Ba	tch ID: R9	5163	F	RunNo: 9	5163					
Prep Date:	Analysis	Date: 3/	9/2023	Ş	SeqNo: 34	441321	Units: mg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Nitrogen, Nitrite (As N)	8.4	1.0	10.00	0	84.0	81	110				
Nitrogen, Nitrate (As N)	71	1.0	25.00	44.66	105	87.7	111				
Sample ID: 2303499-0	004AMSD Sam	рТуре: т	sd	Tes	tCode: El	PA Method	300.0: Anions	3			
Client ID: DAD-08	Ba	tch ID: R9	5163	F	RunNo: 9	5163					
Prep Date:	Analysis	s Date: 3/	9/2023	5	SeqNo: 3	441322	Units: mg/L				
	-		0.014	00110 1111							

SPK value SPK Ref Val %REC

10.00

Qualifiers:

Nitrogen, 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 standard limits. If undiluted results may be estimated.

Result

8.6

1.0

B Analyte detected in the associated Method Blank

LowLimit

85.7

HighLimit

110

%RPD

1.96

RPDLimit

20

Qual

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303499**

22-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73717 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73717 RunNo: 95347

Prep Date: 3/15/2023 Analysis Date: 3/17/2023 SeqNo: 3448842 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73717 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73717 RunNo: 95347

Prep Date: 3/15/2023 Analysis Date: 3/17/2023 SeqNo: 3448843 Units: mg/L

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

Total Dissolved Solids 990 50.0 1000 0 99.0 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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303499**

22-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73754 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73754 RunNo: 95397

Prep Date: 3/16/2023 Analysis Date: 3/17/2023 SeqNo: 3451121 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-73754 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73754 RunNo: 95397

Prep Date: 3/16/2023 Analysis Date: 3/17/2023 SeqNo: 3451122 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 80 120

Sample ID: 2303499-001AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: **DAD-17** Batch ID: **73754** RunNo: **95397**

Prep Date: 3/16/2023 Analysis Date: 3/17/2023 SeqNo: 3451130 Units: mg/L

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

 Arrange
 Result
 FQL
 SFR Value
 SFR Ref Val
 %REC
 LowLittit
 HighLittit
 %RFD
 RFDLittit
 Qual

 Nitrogen, Kjeldahl, Total
 10
 1.0
 10.00
 0.4200
 101
 75
 125

Sample ID: 2303499-001AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: **DAD-17** Batch ID: **73754** RunNo: **95397**

Prep Date: 3/16/2023 Analysis Date: 3/17/2023 SeqNo: 3451131 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 0.4200 98.0 75 125 2.70 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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

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

Sample Log-In Check List

RcptNo: 1 Work Order Number: 2303499 Client Name: **EA Engineering** 3/9/2023 8:45:00 AM Received By: **Desiree Dominguez** Sulgot Completed By: 3/9/2023 9:05:38 AM Sean Livingston DAD 3/9/23 Reviewed By: Chain of Custody No \square Not Present Yes 🔽 1. Is Chain of Custody complete? 2. How was the sample delivered? <u>FedEx</u> Log In No \square NA 🗌 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 Yes 🔽 4. Were all samples received at a temperature of >0° C to 6.0°C No \square Yes 🗹 5. Sample(s) in proper container(s)? No 🗌 Yes 🗸 6. Sufficient sample volume for indicated test(s)? Yes V No 🗌 7. Are samples (except VOA and ONG) properly preserved? No 🗹 NA 🗌 Yes 🗌 8. Was preservative added to bottles? NA 🔽 Yes No 🔲 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes \square No 🗹 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗹 No 🗌 for pH: 11. Does paperwork match bottle labels? or >12 unless noted) (Note discrepancies on chain of custody) Adjusted Yes 🗸 No 🗌 12. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗌 13. Is it clear what analyses were requested? Checked by: Sur 3 913 No 🗌 14. Were all holding times able to be met? Yes 🔽 (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 No 🗌 15. Was client notified of all discrepancies with this order? NA 🔽 Person Notified: Date: eMail Phone Fax In Person By Whom: Via: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By Not Present

С	hain-	of-Cu	stody Record	Turn-Around	Time:	1	(77)			Н	ΙΔΙ	LL	EN	IV.	TR	ON	M	IEI	T.	AL	25
Client:				Standard								AL									
	ineering, Address		and Technology	Project Name				400	11 H:			/.halle						109			
	ld Ave S			Project #:	airies (DAD's)				I. 50					-		345-4					
Phone 7		505-715-	-4279	1			MAN IS		TAS .			Ar	alys	is F	Requ	est					
	r Fax#:		rmullen@eaest.com	Project Mana	iger:			300.		\											
	Package:		☐ Level 4 (Full Validation)	185	Gina Mullen			Method 3	3 C		٥			6010B							
	tation:	☐ Az Co	mpliance	Sampler: On Ice:		□ No		EPA	4500 NORG	300	C MOD	300		EPA 60							
	(Type)_			# of Coolers:		Morty	4 (ites	150(EP.	254(X		Sn	ⅎ						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO. 2303 419		Nitrate/Nitrites	TKN SM	Chloride EPA	TDS SM 2540 C	Sulfate EPA		Phosphorus	Total Sulfur						
3-8	10:12	Gw	DAD-17	2		00/		X	X	X	X			\perp			_	_	\dashv	\dashv	
3-8	11:54	1	D4.D-05	2_		007		X	*	×	X		_				4		_	_	_
3-8	13:35		DAD-18	2		<u> </u>		X	X	X	X			_	_		\dashv	\dashv	\dashv	_	_ _
3-8	14:40		DAD-08	2		<u> </u>		X	×	X	X	\vdash	+	-		_	+	\dashv	_	\dashv	-
																	\pm	\pm	\pm		
						1												_		_	
	<u> </u>													_		\dashv	\dashv	\dashv	+		
1		<u> </u>																		\Box	
	<u> </u>																				
Date: 3-8	Time:	Relinquish	ned by:	Received by:	Via: FedE	Date Time \$/9/23 8:45	Ren	nark	s:												1
Date:	Time:	Relinquist	ned by:	Received by:	Via:	Date Time															
								He title .	Λ		-t	ad dete	will bo	clear	dy nots	ated on	the a	nalytic:	al reno		



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

February 28, 2023

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

RE: Dominguez Dairy 1 OrderNo.: 2302830

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/18/2023 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 2302830

Date Reported: 2/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 624-11

Project: Dominguez Dairy 1
 Collection Date: 2/17/2023 11:09:00 AM

 Lab ID: 2302830-001
 Matrix: AQUEOUS
 Received Date: 2/18/2023 11:30:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 1200 50 mg/L 100 2/20/2023 5:58:18 PM R94743 Nitrate+Nitrite as N 10 1.0 mg/L 2/20/2023 7:28:20 PM R94743 **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: KS **Total Dissolved Solids** 3500 *D 2/24/2023 7:01:00 PM 73340 100 mg/L SM 4500 NORG C: TKN Analyst: EKM Nitrogen, Kjeldahl, Total ND 2.0 D mg/L 2/23/2023 8:07:00 AM 73308

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/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#: **2302830**

RPDLimit

Qual

28-Feb-23

Client: EA Engineering Alb
Project: Dominguez Dairy 1

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

Client ID: PBW Batch ID: R94743 RunNo: 94743

Prep Date: Analysis Date: 2/20/2023 SeqNo: 3424472 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: R94743 RunNo: 94743

Prep Date: Analysis Date: 2/20/2023 SeqNo: 3424473 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Chloride 4.7 0.50 5.000 0 93.5 90 0 Nitrate+Nitrite as N 3.4 0.20 3.500 97.7 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302830**

28-Feb-23

Client: EA Engineering Alb
Project: Dominguez Dairy 1

Sample ID: MB-73340 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73340 RunNo: 94871

Prep Date: 2/23/2023 Analysis Date: 2/24/2023 SeqNo: 3428725 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73340 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73340 RunNo: 94871

Prep Date: 2/23/2023 Analysis Date: 2/24/2023 SeqNo: 3428726 Units: mg/L

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

Total Dissolved Solids 1050 50.0 1000 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302830**

28-Feb-23

Client: EA Engineering Alb
Project: Dominguez Dairy 1

Sample ID: MB-73308 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: **PBW** Batch ID: **73308** RunNo: **94822**

Prep Date: 2/22/2023 Analysis Date: 2/23/2023 SeqNo: 3427003 Units: mq/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-73308 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73308 RunNo: 94822

Prep Date: 2/22/2023 Analysis Date: 2/23/2023 SeqNo: 3427004 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Work Order Number: 2302830 RcptNo: 1 **EA Engineering** Received By: **Tracy Casarrubias** 2/18/2023 11:30:00 AM 2/18/2023 12:00:59 PM Completed By: **Tracy Casarrubias** 1/20/23 Reviewed By: Chain of Custody No 🗌 Yes 🔽 Not Present 1. Is Chain of Custody complete? 2. How was the sample delivered? **FedEx** Log In NA 🗌 Yes 🔽 No 🗌 3. Was an attempt made to cool the samples? No 🗌 NA 🗌 Yes 🗸 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🔽 No \square Sample(s) in proper container(s)? No □ Yes 🗸 6. Sufficient sample volume for indicated test(s)? No □ Yes 🔽 7. Are samples (except VOA and ONG) properly preserved? No 🔽 NA 🗌 Yes 8. Was preservative added to bottles? NA 🗸 No 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 Yes □ No 🔽 10. Were any sample containers received broken? # of preserved bottles checked Yes 🔽 No 🗌 for pH: 11. Does paperwork match bottle labels? or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 Yes 🗹 12. Are matrices correctly identified on Chain of Custody? No 🗌 Yes 🗸 13. Is it clear what analyses were requested? Checked by: TW/ Yes 🗹 No 🗀 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes No 🗌 NA 🗹 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 Condition Temp °C Seal Intact Seal No Seal Date Signed By 1.6 Good Morty Yes

C	hain-	of-Cu	stody Record	Turn-Around	Time:							LL	E	W	TD		NI IN	A IF	NT	AI	
Client:				Standard	□ Rush							AL'									
	ineering, Address		and Technology	Project Name Dominguez D				490)1 H:			v.hallo NE -						109			
320 Go	ld Ave S'	W Suite		Project #:	Jany 1							975				345-4					
Phone 7	# :	505-715-	-4279									Ar	naly	sis F	Requ	uest					U D
email o	r Fax#:		rmullen@eaest.com	Project Manager:																	
QA/QC I □ Stan	Package: dard		☐ Level 4 (Full Validation)		Gina Mullen			ethod 300.	0					0B							
Accredi	tation:	□ Az Co □ Other	mpliance	Sampler: On Ice: # of Coolers:		□ No morty		tes EPA M	4500 NORG	EPA 300	2540 C MOD	A 300		s EPA 6010B							
Date	Time	Matrix	Sample Name	Container	Preservative Type	HEAL No.		Nitrate/Nitrites EPA Method	TKN SM 4	Chloride El	TDS SM 2	Sulfate EPA 300		Phosphorus	Total Sulfur						
2-17	11:09	Gw	624-11	2		001		X	X	X	K										
<u> </u>																					
										\neg			寸		\neg	\neg	\dashv		\neg		
_							\vdash		_			\dashv	_	\neg	_		\neg	\dashv	\dashv	\dashv	
							\vdash			\dashv		\dashv	\dashv		$\neg \dagger$	\dashv	\dashv		+		+
		-					\vdash	\dashv				\dashv		\dashv		_	\neg		\dashv	_	
		 			<u> </u>				\dashv	\dashv		\vdash		\dashv	-	\dashv	\dashv	\dashv	\dashv	_	_
		-					\vdash		\dashv			\vdash	\dashv	\dashv		\dashv		\dashv	\dashv		+
					 		\vdash	\vdash	-	-		\vdash	-	\dashv		-	-	\dashv	\dashv	_	+
							\vdash		-				\dashv	\dashv	\dashv	-	\dashv	\dashv	\dashv	\dashv	+
	l	-					-	\vdash					\dashv	\dashv	\dashv	-		-	\dashv	-	_
		 					\vdash			-		\vdash			\dashv	-			_	_	+
Date:	Time:	Relinquish	ed by:	Received by:	Via Fed to	Date Time	Ren	narks	 3:												<u> </u>
217 Date:	17:35 Time:	Relinquish	ed by:	Received by:	Via.	2/16/23 Date Time	-														



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

March 07, 2023

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

RE: Del Oro Dairy OrderNo.: 2303014

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/1/2023 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 2303014

Date Reported: 3/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-09

 Project:
 Del Oro Dairy
 Collection Date: 2/28/2023 10:48:00 AM

 Lab ID:
 2303014-001
 Matrix: GROUNDWA
 Received Date: 3/1/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: CAS
Chloride	400	50	*	mg/L	100	3/1/2023 4:47:28 PM	R94971
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/1/2023 4:35:07 PM	R94971
Nitrogen, Nitrate (As N)	8.2	1.0		mg/L	10	3/1/2023 4:35:07 PM	R94971
Sulfate	210	5.0		mg/L	10	3/1/2023 4:35:07 PM	R94971
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: DML
Total Dissolved Solids	1400	50.0	*	mg/L	1	3/3/2023 8:48:00 AM	73459
SM 4500 NORG C: TKN						Analys	t: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/6/2023 12:55:00 PM	73495

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303014

Date Reported: 3/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-05

 Project:
 Del Oro Dairy
 Collection Date: 2/28/2023 12:28:00 PM

 Lab ID:
 2303014-002
 Matrix: GROUNDWA
 Received Date: 3/1/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: CAS
Chloride	430	50	*	mg/L	100	3/1/2023 5:12:10 PM	R94971
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/1/2023 4:59:48 PM	R94971
Nitrogen, Nitrate (As N)	16	1.0	*	mg/L	10	3/1/2023 4:59:48 PM	R94971
Sulfate	270	5.0	*	mg/L	10	3/1/2023 4:59:48 PM	R94971
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: DML
Total Dissolved Solids	1560	50.0	*	mg/L	1	3/3/2023 8:48:00 AM	73459
SM 4500 NORG C: TKN						Analys	t: EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/6/2023 12:55:00 PM	73495

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

tring Limit Page 2 of 7

Lab Order 2303014

Date Reported: 3/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-06

 Project:
 Del Oro Dairy
 Collection Date: 2/28/2023 1:57:00 PM

 Lab ID:
 2303014-003
 Matrix: GROUNDWA
 Received Date: 3/1/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: CAS
Chloride	440	50	*	mg/L	100	3/1/2023 6:01:35 PM	R94971
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/1/2023 5:49:13 PM	R94971
Nitrogen, Nitrate (As N)	4.6	1.0		mg/L	10	3/1/2023 5:49:13 PM	R94971
Sulfate	210	5.0		mg/L	10	3/1/2023 5:49:13 PM	R94971
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: DML
Total Dissolved Solids	1430	100	*D	mg/L	1	3/3/2023 8:48:00 AM	73459
SM 4500 NORG C: TKN						Analys	t: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/6/2023 12:55:00 PM	73495

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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

Lab Order **2303014**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/7/2023

CLIENT: EA Engineering Client Sample ID: 692-07

 Project:
 Del Oro Dairy
 Collection Date: 2/28/2023 3:40:00 PM

 Lab ID:
 2303014-004
 Matrix: GROUNDWA
 Received Date: 3/1/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: CAS
Chloride	540	50	*	mg/L	100	3/1/2023 6:26:16 PM	R94971
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/1/2023 6:13:56 PM	R94971
Nitrogen, Nitrate (As N)	2.7	1.0		mg/L	10	3/1/2023 6:13:56 PM	R94971
Sulfate	210	5.0		mg/L	10	3/1/2023 6:13:56 PM	R94971
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: DML
Total Dissolved Solids	1560	100	*D	mg/L	1	3/3/2023 8:48:00 AM	73459
SM 4500 NORG C: TKN						Analys	t: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/6/2023 12:55:00 PM	73495

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303014**

07-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: R94971 RunNo: 94971 Prep Date: Analysis Date: 3/1/2023 SeqNo: 3433670 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 SampType: Ics TestCode: EPA Method 300.0: Anions										•			
Client ID: LCSW Batch ID: R94971				F	RunNo: 94	4971							
Prep Date:	Prep Date: Analysis Date: 3/1/2023				SeqNo: 34	433671	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	92.9	90	110						
Nitrogen, Nitrite (As N)	0.95	0.10	1.000	0	95.4	90	110						
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	98.0	90	110						
Sulfate	9.4	0.50	10.00	0	94.3	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303014**

07-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73459 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73459 RunNo: 95000

Prep Date: 3/1/2023 Analysis Date: 3/3/2023 SeqNo: 3434793 Units: mq/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73459 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73459 RunNo: 95000

Prep Date: 3/1/2023 Analysis Date: 3/3/2023 SeqNo: 3434794 Units: mg/L

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

Total Dissolved Solids 1030 50.0 1000 0 103 80 120

Sample ID: 2303014-001ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 692-09 Batch ID: 73459 RunNo: 95000

Prep Date: 3/1/2023 Analysis Date: 3/3/2023 SeqNo: 3434808 Units: mg/L

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

Total Dissolved Solids 1410 50.0 0.568 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303014**

07-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73495 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73495 RunNo: 95048

Prep Date: 3/3/2023 Analysis Date: 3/6/2023 SeqNo: 3437134 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-73495 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73495 RunNo: 95048

Prep Date: 3/3/2023 Analysis Date: 3/6/2023 SeqNo: 3437135 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

Sample ID: 2303014-001AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: 692-09 Batch ID: 73495 RunNo: 95048

Prep Date: 3/3/2023 Analysis Date: 3/6/2023 SeqNo: 3437139 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: 2303014-001AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: 692-09 Batch ID: 73495 RunNo: 95048

Prep Date: 3/3/2023 Analysis Date: 3/6/2023 SeqNo: 3437140 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 2.86 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Work Order Number: 2303014 RcptNo: 1 Client Name: **EA Engineering** 3/1/2023 9:00:00 AM Received By: **Desiree Dominguez** 3/1/2023 9:54:04 AM Completed By: **Desiree Dominguez** 311/23 Reviewed By: Chain of Custody Not Present Yes 🗸 No 🗌 1. Is Chain of Custody complete? 2. How was the sample delivered? FedEx Log In No 🗌 NA 🗍 3. Was an attempt made to cool the samples? Yes V No 🗀 NA \square 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🔽 No □ Yes 🗸 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? No 🗹 NA 🗌 8. Was preservative added to bottles? Yes NA 🗹 No 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes Yes No 🗹 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗹 No 🗌 for pH: 11. Does paperwork match bottle labels? (<2)or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? S 12. Are matrices correctly identified on Chain of Custody? Yes V No 🗌 No 🔲 Yes 🗹 13. Is it clear what analyses were requested? Checked by: 2 3/1/77 No 🗌 14. Were all holding times able to be met? Yes 🗸 (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 15. Was client notified of all discrepancies with this order? No 🗌 NA 🗹 Person Notified: Date: By Whom: eMail Phone Fax In Person Via: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 0.1 Good Not Present Morty

C	nain	-01-Ci	istody Record	i um-Around	rime:		3	200	統制	II.	AL			N W # 7	IRO	SINIE	ME	IN IT	CAI	1
Client:		18 1 ₂		Standard	□ Rush		_ _	Will	F						LA					
			, and Technology	Project Name				wire	144						ental.			- 		
Mailing	Address	i: .		Del O	10 Dainy			49	01 H	lawk	ins N	۱E -	Albu	iquei	rque,	NM 8	7109			
320 Go	ld Ave S	W Suite	· · · · · · · · · · · · · · · · · · ·	Project #:							45-39	975		-	05-34		7			
Phone:	#:	505-715	- 4279									Aı	nalys	is R	eque	st				
email o	r Fax#:		rmullen@eaest.com	Project Mana	ager:			300		ñ								1		201
QA/QC □ Stan	Package: dard		☐ Level 4 (Full Validation)		Gina Mullen			ethod) C		۵			BB						-
Accredi		☐ Az Co ☐ Other	ompliance	Sampler:	Angel Nieto F	Rivera		EPA M	NORG	300	С МОБ	300	e de	EPA 6010B					85	
	(Type)	·		# of Coolers:	0	MORTY		ites	500	PA (540	A 30		S .	_					
Date	Time	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type	4-0.3=0.1 2303014		Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA	TDS SM 2540	Sulfate EPA	(3=	Phosphorus	Total Sulfur					172
2-28	10 48	Gw	692-09	2		-001		×	X	X	X	X								
	12 28		692-05	2		-002		X	X	×	X	X								
228	13:57	6W	692-06	2		-003		X	×	×	X	X								
the state of the s	15:40	GW	692-07	2		~∞4		بحر	Y	Y	X	X								
											7	,								
															_					
		337					_					_	_	_		-				
						*					_		_	_						
				 			_	<u> </u>					-	-				_	_	_
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date Time	Do	nark												
	17:40		I m	133		3/1/23 9:00) rei	пагк	ъ.											
Date:	Time:	Relinquish		Received by:	Via:	Date Time														
	L	<u> </u>		<u> </u>		· · · · · · · · · · · · · · · · · · ·														



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

March 01, 2023

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

RE: Big Sky Dairy OrderNo.: 2302944

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/22/2023 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 **2302944**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/1/2023

CLIENT: EA Engineering Client Sample ID: 833-06

 Project:
 Big Sky Dairy
 Collection Date: 2/21/2023 2:37:00 PM

 Lab ID:
 2302944-001
 Matrix: GROUNDWA
 Received Date: 2/22/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF 1	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	890	50	*	mg/L	100	2/22/2023 9:59:00 PM	R94816
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/22/2023 9:46:39 PM	R94816
Nitrogen, Nitrate (As N)	14	1.0	*	mg/L	10	2/22/2023 9:46:39 PM	R94816
Sulfate	460	50	*	mg/L	100	2/22/2023 9:59:00 PM	R94816
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: SNS
Total Dissolved Solids	2700	50.0	*	mg/L	1	2/24/2023 4:20:00 PM	73353
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	2/27/2023 9:53:00 AM	73362

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302944

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-04

 Project:
 Big Sky Dairy
 Collection Date: 2/21/2023 4:15:00 PM

 Lab ID:
 2302944-002
 Matrix: GROUNDWA
 Received Date: 2/22/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	900	50	*	mg/L	100 2/22/2023 10:48:20 PM R94816
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/22/2023 10:11:21 PM R94816
Nitrogen, Nitrate (As N)	37	1.0	*	mg/L	10 2/22/2023 10:11:21 PM R94816
Sulfate	520	50	*	mg/L	100 2/22/2023 10:48:20 PM R94816
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: SNS
Total Dissolved Solids	2960	50.0	*	mg/L	1 2/24/2023 4:20:00 PM 73353
SM 4500 NORG C: TKN					Analyst: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 2/27/2023 9:53:00 AM 73362

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302944**

Qual

01-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBW Batch ID: R94816 RunNo: 94816

Prep Date: Analysis Date: 2/22/2023 SeqNo: 3426877 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit

Chloride ND 0.50

Nitrogen, Nitrite (As N) ND 0.10

 Nitrogen, Nitrite (As N)
 ND
 0.10

 Nitrogen, Nitrate (As N)
 ND
 0.10

 Sulfate
 ND
 0.50

Sample ID: LCS TestCode: EPA Method 300.0: Anions SampType: Ics Client ID: LCSW Batch ID: R94816 RunNo: 94816 Prep Date: Analysis Date: 2/22/2023 SeqNo: 3426878 Units: mq/L PQI SPK value SPK Ref Val %REC HighLimit %RPD RPDI imit Analyte Result LowLimit Qual Chloride 4.7 0.50 5.000 0 93.2 90 110 Nitrogen, Nitrite (As N) 0 0.96 0.10 1.000 95.6 90 110 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 98.2 90 110 0 Sulfate 94.5 9.4 0.50 10.00 90 110

HighLimit

%RPD

%RPD

RPDLimit

Qual

RPDLimit

 Sample ID:
 2302944-002AMS
 SampType:
 ms
 TestCode:
 EPA Method 300.0:
 Anions

 Client ID:
 833-04
 Batch ID:
 R94816
 RunNo:
 94816

 Prep Date:
 Analysis Date:
 2/22/2023
 SeqNo:
 3426902
 Units:
 mg/L

SPK Ref Val %REC HighLimit Analyte Result **PQL** SPK value LowLimit Nitrogen, Nitrite (As N) 8.8 1.0 10.00 87.5 81 110 Nitrogen, Nitrate (As N) 64 1.0 25.00 37.01 107 87.7 111

Sample ID: 2302944-002AMSD SampType: msd TestCode: EPA Method 300.0: Anions

Client ID: **833-04** Batch ID: **R94816** RunNo: **94816**

Prep Date: Analysis Date: 2/22/2023 SeqNo: 3426903 Units: mg/L

Analyte PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Result LowLimit Nitrogen, Nitrite (As N) 8.8 1.0 10.00 n 87.6 81 110 0.0914 20 Nitrogen, Nitrate (As N) 64 1.0 25.00 37.01 107 87.7 111 0.174 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302944**

01-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73353 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73353 RunNo: 94881

Prep Date: 2/23/2023 Analysis Date: 2/24/2023 SeqNo: 3429376 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73353 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73353 RunNo: 94881

Prep Date: 2/23/2023 Analysis Date: 2/24/2023 SeqNo: 3429377 Units: mg/L

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

Total Dissolved Solids 1030 50.0 1000 0 103 80 120

Sample ID: 2302944-002ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 833-04 Batch ID: 73353 RunNo: 94881

Prep Date: 2/23/2023 Analysis Date: 2/24/2023 SeqNo: 3429380 Units: mg/L

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

Total Dissolved Solids 2960 50.0 0.0675 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302944**

01-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73362 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73362 RunNo: 94888

Prep Date: 2/24/2023 Analysis Date: 2/27/2023 SeqNo: 3429662 Units: mq/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-73362 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73362 RunNo: 94888

Prep Date: 2/24/2023 Analysis Date: 2/27/2023 SeqNo: 3429663 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 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 Above Quantitation Range/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: www.hallenvironmental.com

Client Nam	ie: EA Engineer	ing Work Order	Number:	2302	2944			RcptNo	p: 1
Descived 5	Dur Lore Detect	0/00/0000 0.5	0.00 414			Hear	a.g		
Received B	•						,	not	
Completed	By: Sean Living	gston 2/22/2023 9:1	4:05 AM			S	-4	John	
Reviewed B	3y: JA 7-22	2-73							
Chain of C	Custody								
1. Is Chain	of Custody comple	te?		Yes	V	No		Not Present	
2. How was	s the sample delive	red?		Fedi	<u> </u>				
Log In									
3. Was an a	attempt made to co	ol the samples?		Yes	V	No		na 🗌	
4. Were all	samples received a	at a temperature of >0° C to 6.0°	С	Yes	~	No		na 🗆	
5. Sample(s	s) in proper contain	er(s)?		Yes	\checkmark	No			
6. Sufficient	sample volume for	indicated test(s)?		Yes	✓	No			
7. Are samp	oles (except VOA a	nd ONG) properly preserved?	,	Yes	V	No			
8. Was pres	servative added to b	pottles?	,	Yes		No	V	NA 🗌	
9. Received	at least 1 vial with	headspace <1/4" for AQ VOA?	,	Yes		No		NA 🗹	
10. Were any	y sample container	s received broken?		Yes		No	V	# of preserved	
11 5						NI-	П	bottles checked for pH:	2
	erwork match bottl crepancies on chai			Yes	V	No	<u>.,</u>		or >12 unless noted)
		fied on Chain of Custody?		Yes	V	No		Adjusted?	NO
	what analyses wer	-	,	Yes	V	No			- 0/02/05
	holding times able tify customer for au		,	Yes	✓	No		Checked by:	Ju 2/22/23
	andling (if appl	· ·							
		crepancies with this order?		Yes		No		NA 🗹	
Pe	rson Notified:		Date:	-	and the same		designation of the last of the		
Ву	Whom:		Via:	eMa	ail 🗀] Phone [Fax	☐ In Person	
Re	garding:			-	-		-		
Clie	ent Instructions:				-				
16. Addition	al remarks:								
17. Cooler I	Information								
Coole		Condition Seal Intact Seal	No Se	al D	ate	Signed	Ву		
1	2.2	Good Not Present YOGI							

	nain	-01-Ci	ustody Record	Turn-Around	Time:						_										
Client:				Standard	i □ Rush	1														ITA	
EA Eng	gineering	, Science	, and Technology	Project Nam							-						AD al.co		LA I	ГОБ	()
walling	Address	5:		Big Sky Dair	У				49	01 H	lawk	ins l	VE -	Alb	uane	erane	> Ni/√	1 871	09		
320 G	old Ave S	W Suite		Project #:						el. 50							345-4		55		
Phone	#:	505-715	-4279					NO.			10		F 4 1 10 10	W 127 1		Requ					
email c	r Fax#:		rmullen@eaest.com	Project Mana	ager:				9									- Colean			NAME OF TAXABLE PARTY.
QA/QC □ Star	Package:		☐ Level 4 (Full Validation)		Gina Mullen				thod 3	S					<u>m</u>						
Accred	itation: AC	☐ Az Co	ompliance		Angel N. Rive	era			EPA Me	- 1	300	СМОР	300		EPA 6010B						
	(Type)			# of Coolers:		409			tes	8	A	540	A 3		S						
			Sample Name	Cooler Temp Container Type and #	Preservative Type	HEAL 2302	- No.		Nitrate/Nitrites EPA Method 300	TKN SM 4500 NORG	Chloride EPA	TDS SM 2540	Sulfate EPA		Phosphorus	Total Sulfur					
2-21	14:37	Gw	833-06	2			00)		X	X	X	X	X						\top		
221	16:15	6w	833-04	2			200		X	X	X	X	X								
								-		_	_		_			_	_	_			
								╀╌┆						\dashv	\dashv	+	-	+	+	+	
							***							1	\neg	7		\top	+		
			•																		
·												\dashv				4					
								-							4	\dashv		4	_	\perp	-
	*	10							-	-				_	-	_	_	+-	+		
								\vdash	_	-		\dashv	-	-		-	-	+	+	\vdash	
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date	Time	Rem	narks	L s:											
2-2 (Date:	[7:5] Time:	Relinquish	ed by:	Received by:	Via:	2/22/7: Date	3 % \$ \$	0													
																		$\overline{}$			



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

March 01, 2023

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

RE: Buena Vista Dairy II OrderNo.: 2302829

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/18/2023 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 2302829

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

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

Project: Buena Vista Dairy II Collection Date: 2/17/2023 12:51:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: CAS
Chloride	300	50	*	mg/L	100	2/20/2023 3:49:41 PM	R94743
Nitrate+Nitrite as N	2.7	1.0		mg/L	5	2/20/2023 6:11:11 PM	R94743
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	1690	100	*D	mg/L	1	2/27/2023 8:31:00 AM	73307
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/23/2023 8:07:00 AM	73308

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range
Page 1 of 6

Lab Order 2302829

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

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

Project: Buena Vista Dairy II **Collection Date:** 2/17/2023 2:36:00 PM

Lab ID: 2302829-002 **Matrix:** AQUEOUS **Received Date:** 2/18/2023 11:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: CAS
Chloride	670	50	*	mg/L	100	2/20/2023 4:41:08 PM	R94743
Nitrate+Nitrite as N	4.3	1.0		mg/L	5	2/20/2023 7:02:36 PM	R94743
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	2440	100	*D	mg/L	1	2/27/2023 8:31:00 AM	73307
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	1.3	1.0		mg/L	1	2/23/2023 8:07:00 AM	73308

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2302829**

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

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

Project: Buena Vista Dairy II **Collection Date:** 2/17/2023 4:38:00 PM

Lab ID: 2302829-003 **Matrix:** AQUEOUS **Received Date:** 2/18/2023 11:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: CAS
Chloride	770	50	*	mg/L	100	2/20/2023 5:06:52 PM	R94743
Nitrate+Nitrite as N	29	1.0	*	mg/L	5	2/20/2023 7:15:28 PM	R94743
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	2980	50.0	*	mg/L	1	2/27/2023 8:31:00 AM	73307
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/23/2023 8:07:00 AM	73308

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/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#: **2302829**

RPDLimit

Qual

01-Mar-23

Client: EA Engineering Alb
Project: Buena Vista Dairy II

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

Client ID: PBW Batch ID: R94743 RunNo: 94743

Prep Date: Analysis Date: 2/20/2023 SeqNo: 3424472 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: R94743 RunNo: 94743

Prep Date: Analysis Date: 2/20/2023 SeqNo: 3424473 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Chloride 4.7 0.50 5.000 0 93.5 90 0 Nitrate+Nitrite as N 3.4 0.20 3.500 97.7 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302829**

01-Mar-23

Client: EA Engineering Alb
Project: Buena Vista Dairy II

Sample ID: MB-73307 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73307 RunNo: 94879

Prep Date: 2/22/2023 Analysis Date: 2/27/2023 SeqNo: 3429333 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73307 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73307 RunNo: 94879

Prep Date: 2/22/2023 Analysis Date: 2/27/2023 SeqNo: 3429334 Units: mg/L

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

Total Dissolved Solids 1020 50.0 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2302829**

01-Mar-23

Client: EA Engineering Alb
Project: Buena Vista Dairy II

Sample ID: MB-73308 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: **PBW** Batch ID: **73308** RunNo: **94822**

Prep Date: 2/22/2023 Analysis Date: 2/23/2023 SeqNo: 3427003 Units: mq/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-73308 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73308 RunNo: 94822

Prep Date: 2/22/2023 Analysis Date: 2/23/2023 SeqNo: 3427004 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering	Work Order Num	ber: 2302829		RcptNo: 1
Received By: Tracy Casarrubias	2/18/2023 11:30:00) AM		
Completed By: Tracy Casarrubias	2/18/2023 11:51:02			
Reviewed By: (MC	2/20/23	. 7 1111		
Notioned by: William	0140103			
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 🗆
Were all samples received at a tempera	ture 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 to	est(s)?	Yes 🗹	No 🗌	
7. Are samples (except VOA and ONG) pro	operly 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 b	roken?	Yes 🗌	No 🗹	# of preserved
11. Does paperwork match bottle labels?		Yes 🗹	No □	bottles checked for pH:
(Note discrepancies on chain of custody)	ies 🖭	140	(€2)or >12 unless noted
12. Are matrices correctly identified on Chai	•	Yes 🗹	No 🗆	Adjusted?
13. Is it clear what analyses were requested	?	Yes 🗹	No 🗌	Observed houses a 100 l
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by: The 2/18/
Special Handling (if applicable)				
15. Was client notified of all discrepancies to	with this order?	Yes 🗌	No 🗆	na 🗹
Person Notified:	Date:			
By Whom:	Via:	eMail P	hone 🗌 Fax	☐ In Person
Regarding:				
Client Instructions:				Military and a second a second and a second and a second and a second and a second
16. Additional remarks:				
17. Cooler Information				
Cooler No Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By	
1 1.6 Good	Yes Morty	erre service s		

	hain	-of-Cι	istody Record	Turn-Around 	Time:			220			-	IA	LL	Er	v	IR	ON	ME	NT	AL	
Client:		<u>.</u>		Standard Standard	☐ Rush	1 <u>"</u>			公生								BO				7
EA Enc	ineerina.	Science	, and Technology	Project Nam	e:			100	are.			wwv	v.hall	lenvi	ronn	nental	l.com				
	Address			Buena Vist	a Dain	Tr			49	01 H							NM 8	7109			
320 Go	ld Ave S	W Suite		Project #:		—		1		el. 50					-	-	45 - 410				
Phone		505-715	-4279	1			· F				17			11/416	Maria Control	Reque	- 10	acx to	1		
	r Fax#:		rmullen@eaest.com	Project Mana	ager:				00								1				T
QA/QC □ Stan	Package:		□ Level 4 (Full Validation)		Gina Mullen				ethod 3	0					0B					G	
□ NEL	AC	☐ Az Co ☐ Other	pmpliance	Sampler: On Ice;	Angel Nieto I	TO THE STORY OF THE	nonv		EPA M	NORG	300	C MOD	300	i = 1 - 4	EPA 6010B					e.a.	
	(Type)	I		# of Coolers:		to see West	-1		rites	1500		2540	EPA 3			_					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	2000	L No.		Nitrate/Nitrites EPA Method 300	TKN SM 4500 NORG	Chloride EPA	TDS SM 2	Sulfate EF	24 90	Phosphorus	Total Sulfur					3
	12:51	6w	74-03	2		001			X		X	X	-			•					+
	14:36	6w	7402	2		002			X	1000	X	X		\dashv							1
2-17	16:38	5N	74-01	2		003			X	X	X	X									1
· · · ·		6/4			_										10						\top
																				+5	1
) [3																			1
						T)						7									1
						()															1
			R S			TU.															T
Date:	Time: 17:351	Relinquish	ed by:	Received by:	Via: Fector	Date	Time _{11:30} 823	Ren	narks	s:											
Date:	Time:	Relinquish	ed by:	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.



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

March 01, 2023

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

RE: Buena Vista Dairy 2 OrderNo.: 2302942

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/22/2023 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 2302942

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

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

Project: Buena Vista Dairy 2 Collection Date: 2/21/2023 10:52:00 AM

2302942-001 Lab ID: Matrix: GROUNDWA Received Date: 2/22/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	670	50	*	mg/L	100	2/22/2023 11:13:01 PM	R94816
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/22/2023 11:00:40 PM	R94816
Nitrogen, Nitrate (As N)	13	1.0	*	mg/L	10	2/22/2023 11:00:40 PM	R94816
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2280	250	*D	mg/L	1	2/24/2023 7:01:00 PM	73340
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	2/27/2023 9:53:00 AM	73362

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302942

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

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

Project: Buena Vista Dairy 2 Collection Date: 2/21/2023 12:55:00 PM Lab ID: 2302942-002 Matrix: GROUNDWA Received Date: 2/22/2023 8:50:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 630 50 mg/L 100 2/22/2023 11:37:41 PM R94816 Nitrogen, Nitrite (As N) ND 1.0 2/22/2023 11:25:20 PM R94816 mg/L Nitrogen, Nitrate (As N) R94816 15 1.0 mg/L 2/22/2023 11:25:20 PM **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: KS Total Dissolved Solids 2240 50.0 2/24/2023 7:01:00 PM 73340 mg/L SM 4500 NORG C: TKN Analyst: EKM Nitrogen, Kjeldahl, Total ND 2.0 D mg/L 2/27/2023 9:53:00 AM 73362

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302942**

01-Mar-23

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: R94816 RunNo: 94816 Prep Date: Analysis Date: 2/22/2023 SeqNo: 3426877 Units: mg/L Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result 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 Batch ID: **R94816** Client ID: LCSW RunNo: 94816 Prep Date: Analysis Date: 2/22/2023 SeqNo: 3426878 Units: mg/L SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL SPK value LowLimit HighLimit Qual Chloride 4.7 0.50 5.000 0 93.2 90 110 Nitrogen, Nitrite (As N) 0.96 0.10 1.000 0 95.6 90 110 Nitrogen, Nitrate (As N) 0 98.2 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302942**

01-Mar-23

Client: EA Engineering Alb
Project: Buena Vista Dairy 2

Sample ID: MB-73340 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73340 RunNo: 94871

Prep Date: 2/23/2023 Analysis Date: 2/24/2023 SeqNo: 3428725 Units: mq/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73340 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73340 RunNo: 94871

Prep Date: 2/23/2023 Analysis Date: 2/24/2023 SeqNo: 3428726 Units: mg/L

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

Total Dissolved Solids 1050 50.0 1000 0 105 80 120

Sample ID: 2302942-002ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 74-05 Batch ID: 73340 RunNo: 94871

Prep Date: 2/23/2023 Analysis Date: 2/24/2023 SeqNo: 3428748 Units: mg/L

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

Total Dissolved Solids 2250 50.0 0.356 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302942**

01-Mar-23

Client: EA Engineering Alb
Project: Buena Vista Dairy 2

Sample ID: MB-73362 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73362 RunNo: 94888

Prep Date: 2/24/2023 Analysis Date: 2/27/2023 SeqNo: 3429662 Units: mq/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-73362 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73362 RunNo: 94888

Prep Date: 2/24/2023 Analysis Date: 2/27/2023 SeqNo: 3429663 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 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 Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	EA Engineering	Work Order Numb	per: 2302942		ReptNo:	1
Received By:	Juan Rojas	2/22/2023 8:50:00 F	\M	Jumay Salu		
Completed By:	Sean Livingston	2/22/2023 9:04:34 A	M	< /	n - h	
Reviewed By:	M 7-22-23			JU/	75)—	
0						
Chain of Custo	ody					
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 sam	ples?	Yes 🗹	No 🗌	na 🗆	
4. Were all sample	es received at a temper	rature of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in pr	roper container(s)?		Yes 🗹	No 🗌		
6. Sufficient samp	ole volume for indicated	test(s)?	Yes 🗹	No 🗌		
7. Are samples (e:	xcept VOA and ONG) p	roperly preserved?	Yes 🗹	No 🗌		
8. Was preservati	ve added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at lea	ast 1 vial with headspace	e <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any samp	ple containers received	broken?	Yes	No 🗹	# of preserved	
44.					bottles checked 🧹	
	k match bottle labels? ncies on chain of custoo	iv)	Yes 🗹	No ∐	for pH:	>12 unless noted)
	orrectly identified on Cha		Yes 🗹	No 🗌	Adjusted?	VO
13. Is it clear what	analyses were requeste	d?	Yes 🗹	No 🗌		- 212-10
	g times able to be met? stomer for authorization		Yes 🗹	No 🗌	Checked by:	Ju 2 22/
	ng (if applicable)	•				
	ified of all discrepancies	with this order?	Yes 🗌	No 🗌	NA 🗹	
Person N	Notified:	Date:				
By Whor	m:	Via:	eMail	Phone Fax	☐ In Person	
Regardin	ng:					
Client Ins	structions:					
16. Additional rem	narks:					
17. Cooler Inform	nation					
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
1	2.2 Good	Not Present YOGI				

Clier	Cilair	1-0T-U	ustody Record	Turn-Arour	ıd Time:			7		120	1										
				☑ Standa	rd □ Rus	:h			5]	HA	\LL	EN	VI	RO	MM	ENT	ΓAL		
EA E	ngineerin	g, Scienc	e, and Technology	Project Nar	ne:			=			4							CATO	DRY		
Mailing Address: 320 Gold Ave SW Suite				Buena Vista	Buena Vista Dairy 2 Project #:					www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107											
				Project #:																	
Phon		505-71	5-4279	7					elleroe e	Tel. 5	05-3	45-3									
	or Fax#:		rmullen@eaest.com	Project Man	ager:						400		Α	nalysi	s Re	quest		Service .	FOR K		
QA/QC Package: □ Standard □ Level 4 (Full Validation)					Gina Mullen				Nitrate/Nitrites EPA Method 300	8											
	ditation:	□ Az Co	☐ Level 4 (Full Validation) ompliance			P _			die	0				g	3						
□ NE	LAC	□ Othe		Sampler: On Ice:	Angel N. Riv				A A	SM 4500 NORG		MOD		8040B	3						
	D (Type)			# of Coolers	1	9.00	_		1 11 11	Ž	300	၁င	8	FDA							
				Cooler Temp	O(including CF):	2-1+0.	1=2.2		Lie	450	EPA	254(\ ∀	Y							
Б.				Container	Preservative				S	SM	Chloride I	TDS SM 2540 C	Sulfate EPA 300	Phosphorus	Total Sulfur						
Date	Time	Matrix	Sample Name	Type and #	Type	230g	AL No.		itrat	TKN	her	SC	at	loso	ta						
2-21		64	74-04	2			001	+	$\frac{z}{\sqrt{z}}$	1		_	<u> </u>		ᆙ	-					
2-21	12:55	60	74-05	2					1 <u>X</u>	^		X									
		. 6		- 0			200	-	X	X	X	X									
								\perp											11		
																			++		
																	+-	 	+-+		
	 											\neg		_				 	+-+		
											7	+		+-			\dashv		+		
						П					_	+			-						
								-	+	_	-	+		+-							
								-		+		-							+		
									-	\dashv	-	+		-	_			_	$\perp \perp$		
- 1 -								 			-	_	+								
ate:	_	Relinquished	d by:	Received by:	Via:	Date	Time	Ren	narks												
(2)	77:51 Time:	Mind	nn		FROFT	2/22/2	3857	h. (61)	Hall No	·.											
	rille.	Relinquished	a by:	Received by: 0	Via:	Date	Time														
ŀ	necessary, s	amples subm	itted to Hall Environmental may be subcor	ntracted to other acc	redited laboratories.	This serves	as notice of this	noori	hilit. ^	l mi e e e e											



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

March 14, 2023

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

RE: Dona Ana Dairies OrderNo.: 2303301

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/7/2023 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 2303301

Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/14/2023

CLIENT: EA Engineering Client Sample ID: DAD-15

Project: Dona Ana Dairies Collection Date: 3/6/2023 11:20:00 AM 2303301-001 Lab ID: Matrix: GROUNDWA **Received Date:** 3/7/2023 8:37:00 AM

Analyses	Result RL (Qual Units		DF	Date Analyzed			
EPA METHOD 300.0: ANIONS						Analyst: CAS			
Chloride	780	50	*	mg/L	100	3/7/2023 8:31:51 PM			
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/7/2023 8:19:26 PM			
Nitrogen, Nitrate (As N)	17	1.0	*	mg/L	10	3/7/2023 8:19:26 PM			
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: DML			
Total Dissolved Solids	2470	100	*D	mg/L	1	3/13/2023 9:02:00 AM			
SM 4500 NORG C: TKN						Analyst: EKM			
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/10/2023 8:16:00 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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303301**

Date Reported: 3/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-03

 Project:
 Dona Ana Dairies
 Collection Date: 3/6/2023 12:53:00 PM

 Lab ID:
 2303301-002
 Matrix: GROUNDWA
 Received Date: 3/7/2023 8:37:00 AM

Analyses	Result R1		RL Qual Units			Date Analyzed			
EPA METHOD 300.0: ANIONS						Analyst: CAS			
Chloride	360	50	*	mg/L	100	3/7/2023 9:21:28 PM			
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/7/2023 9:09:04 PM			
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/7/2023 9:09:04 PM			
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: DML			
Total Dissolved Solids	1780	250	*D	mg/L	1	3/13/2023 9:02:00 AM			
SM 4500 NORG C: TKN						Analyst: EKM			
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/10/2023 8:16:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303301

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/14/2023

CLIENT: EA Engineering Client Sample ID: DAD-16

 Project:
 Dona Ana Dairies
 Collection Date: 3/6/2023 3:25:00 PM

 Lab ID:
 2303301-003
 Matrix: GROUNDWA
 Received Date: 3/7/2023 8:37:00 AM

Analyses	Result	RL Q	RL Qual Units			Date Analyzed			
EPA METHOD 300.0: ANIONS						Analyst: CAS			
Chloride	410	50	* n	ng/L	100	3/7/2023 9:46:17 PM			
Nitrogen, Nitrite (As N)	ND	1.0	n	ng/L	10	3/7/2023 9:33:53 PM			
Nitrogen, Nitrate (As N)	ND	1.0	n	ng/L	10	3/7/2023 9:33:53 PM			
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: DML			
Total Dissolved Solids	1910	100	*D n	ng/L	1	3/13/2023 9:02:00 AM			
SM 4500 NORG C: TKN						Analyst: EKM			
Nitrogen, Kjeldahl, Total	ND	1.0	n	ng/L	1	3/10/2023 8:16:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303301**

14-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions RunNo: 95097 Client ID: PBW Batch ID: **R95097** Prep Date: Analysis Date: 3/7/2023 SeqNo: 3439191 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: Ics		TestCode: EPA Method 300.0: Anions										
Client ID: LCSW	Batcl	n ID: R9	5097	F	RunNo: 9	5097								
Prep Date:	Analysis D	7/2023	9	SeqNo: 34	439192	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	94.6	90	110							
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	97.6	90	110							
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	100	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303301**

14-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73617 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73617 RunNo: 95198

Prep Date: 3/9/2023 Analysis Date: 3/13/2023 SeqNo: 3442988 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73617 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73617 RunNo: 95198

Prep Date: 3/9/2023 Analysis Date: 3/13/2023 SeqNo: 3442989 Units: mg/L

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

Total Dissolved Solids 1080 50.0 1000 0 108 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303301**

14-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73606 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73606 RunNo: 95168

Prep Date: 3/9/2023 Analysis Date: 3/10/2023 SeqNo: 3441603 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-73606 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73606 RunNo: 95168

Prep Date: 3/9/2023 Analysis Date: 3/10/2023 SeqNo: 3441604 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: 2303301 RcptNo: 1 Received By: **Tracy Casarrubias** 3/7/2023 8:37:00 AM Completed By: **Tracy Casarrubias** 3/7/2023 9:44:05 AM Reviewed By: 3.7.23 Chain of Custody No 🗌 Yes 🔽 Not Present 1. Is Chain of Custody complete? 2. How was the sample delivered? **FedEx** Log In Yes 🗹 NA 🗆 3. Was an attempt made to cool the samples? No 🗌 No \square NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 No 🗌 Sample(s) in proper container(s)? Yes 🗸 No □ Yes 🔽 Sufficient sample volume for indicated test(s)? No 🗌 Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? Yes No 🔽 NA 🗆 8. Was preservative added to bottles? No 🗌 NA 🗹 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes Yes \square No 🔽 10. Were any sample containers received broken? # of preserved bottles checked No 🗌 11. Does paperwork match bottle labels? Yes 🔽 for pH: ((<2)or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 Yes 🔽 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Checked by: JN3/7 No 🗌 14. Were all holding times able to be met? Yes 🗹 (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 No 🔲 NA 🗹 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 0.8 Good Not Present Morty

Client: EA Engine Mailing Ad 320 Gold A	dress: Ave S\	N Suite	and Technology	-						_														
Mailing Ad	dress: Ave S\	N Suite	and Technology	-	э:					HALL ENVIRONMENTAL ANALYSIS LABORATORY														
	Ave S\	N Suite		IDona Ana Da		Project Name:					www.hallenvironmental.com													
320 Gold /						Dona Ana Dairies (DAD's) Project #:					4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107													
			4070	- 10,000 #:					Te	I. 508	-345	411-0-2	NAME OF TAXABLE PARTY.				07	253000						
Phone #:	ax#:	505-715-					-	11 65	o.				Analy	SIS	Requ	iest				Sept.				
email or Fax#: rmullen@eaest.com				Project Mana	_				300	1														
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)				Gina Mullen					lethoc) C	. .	اد		6010B										
Accreditation: Az Compliance Discrete Compliance			Sampler: Angel N. Rivera On Ice: ☑ Yes □ No moth					EPA №	NOR	္က ၂		3	PA 60											
□ EDD (T	ype) _			# of Coolers:				men	ites	200	A	240 240	?	Sr	_									
Date Ti	ime	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type	236	1 = (0.000 0.9 -0.1= 0.8 1EAL No.	- 1227 - 1227	Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA	LUS SM 2540 (Phosphorus EPA	Total Sulfur									
3.6 11	:20	Gu	DAD-15	2		001			X	X	X													
	3:53	Gw	DAD-03	2		002			X	X.	× J	7												
	:25	Ew	DAD-16	2		003			X	×	Х.	X								(6				
	1-					A.																		
									_															
										\rightarrow	_ _	_			_		\perp		_					
										_	_		_		_		_		_					
								_		_	_	_	_		_		_		_					
										_	\perp	_	_		_	-	-		_	_				
Date: Tin	me:	Relinquishe	ad by:	Received by:	Via: FedEX	Da	to Time	Dan	20011								<u> </u>							
9.1	6:55		Ohn >	T.Cociveg By.	via. Felivex	Ja	te Time 37-	Ren	narks	.														
	me:	Relinquishe	ed by:	Received by:	Via:	Da	te Time																	



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

March 20, 2023

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

RE: Dona Ana Dairies OrderNo.: 2303420

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/8/2023 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 2303420

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/20/2023

CLIENT: EA Engineering Client Sample ID: DAD-06R

 Project:
 Dona Ana Dairies
 Collection Date: 3/7/2023 10:45:00 AM

 Lab ID:
 2303420-001
 Matrix: GROUNDWA
 Received Date: 3/8/2023 8:45:00 AM

Analyses	Result	RL Qual	DF	Date Analyzed	
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	88	5.0	mg/L	10	3/8/2023 8:34:19 PM
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/8/2023 8:34:19 PM
Nitrogen, Nitrate (As N)	4.5	1.0	mg/L	10	3/8/2023 8:34:19 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: RBC
Total Dissolved Solids	610	100 *D	mg/L	1	3/17/2023 10:11:00 AM
SM 4500 NORG C: TKN					Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/15/2023 2:39:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303420

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/20/2023

CLIENT: EA Engineering Client Sample ID: DAD-24

 Project:
 Dona Ana Dairies
 Collection Date: 3/7/2023 1:20:00 PM

 Lab ID:
 2303420-002
 Matrix: GROUNDWA
 Received Date: 3/8/2023 8:45:00 AM

Analyses	Result	RL Q	ual	Units	DF	Date Analyzed					
EPA METHOD 300.0: ANIONS						Analyst: NAI					
Chloride	970	50	*	mg/L	100	3/8/2023 9:11:21 PM					
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/8/2023 8:59:00 PM					
Nitrogen, Nitrate (As N)	5.9	1.0		mg/L	10	3/8/2023 8:59:00 PM					
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: RBC					
Total Dissolved Solids	2790	50.0	*	mg/L	1	3/17/2023 10:11:00 AM					
SM 4500 NORG C: TKN						Analyst: CJS					
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/15/2023 2:39:00 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 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303420

Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/20/2023

CLIENT: EA Engineering **Client Sample ID:** DAD-19

Project: Dona Ana Dairies Collection Date: 3/7/2023 3:00:00 PM Lab ID: 2303420-003 Matrix: GROUNDWA **Received Date:** 3/8/2023 8:45:00 AM

Analyses	Result RL Qual Units DF							
EPA METHOD 300.0: ANIONS						Analyst: NAI		
Chloride	970	50	*	mg/L	100	3/8/2023 9:36:02 PM		
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/8/2023 9:23:42 PM		
Nitrogen, Nitrate (As N)	31	1.0	*	mg/L	10	3/8/2023 9:23:42 PM		
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: RBC		
Total Dissolved Solids	3060	50.0	*	mg/L	1	3/17/2023 10:11:00 AM		
SM 4500 NORG C: TKN						Analyst: CJS		
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/15/2023 2:39:00 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
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

RL

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

2.5

0.10

2.500

WO#: 2303420

20-Mar-23

Client: EA Engineering Project: Dona Ana Dairies

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: **R95133** RunNo: 95133 Prep Date: Analysis Date: 3/8/2023 SeqNo: 3440304 Units: mg/L Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Chloride ND 0.50

Nitrogen, Nitrite (As N) ND 0.10 Nitrogen, Nitrate (As N) ND 0.10

Nitrogen, Nitrate (As N)

Sample ID: LCS TestCode: EPA Method 300.0: Anions SampType: Ics Batch ID: **R95133** Client ID: LCSW RunNo: 95133 Prep Date: Analysis Date: 3/8/2023 SeqNo: 3440305 Units: mg/L SPK Ref Val %REC %RPD **RPDLimit** Analyte Result **PQL** SPK value LowLimit HighLimit Qual Chloride 4.7 0.50 5.000 0 94.3 90 110 Nitrogen, Nitrite (As N) 0.96 0.10 1.000 0 96.2 90 110

0

99.1

90

110

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303420**

20-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73687 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73687 RunNo: 95343

Prep Date: 3/14/2023 Analysis Date: 3/17/2023 SeqNo: 3448638 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73687 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73687 RunNo: 95343

Prep Date: 3/14/2023 Analysis Date: 3/17/2023 SegNo: 3448639 Units: mg/L

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

Total Dissolved Solids 979 50.0 1000 0 97.9 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303420**

20-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73697 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73697 RunNo: 95302

Prep Date: 3/14/2023 Analysis Date: 3/15/2023 SeqNo: 3446904 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-73697 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73697 RunNo: 95302

Prep Date: 3/14/2023 Analysis Date: 3/15/2023 SeqNo: 3446905 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 0 104 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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Work Order Number: 2303420 RcptNo: 1 Client Name: **EA Engineering** 3/8/2023 8:45:00 AM Received By: **Desiree Dominguez** Completed By: **Desiree Dominguez** 3/8/2023 10:43:10 AM 3/3/23 Reviewed By: TML Chain of Custody No 🗌 Not Present Yes 🗸 1. Is Chain of Custody complete? 2. How was the sample delivered? FedEx Log In NA 🗌 3. Was an attempt made to cool the samples? Yes V No No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🔽 No 🗌 5. Sample(s) in proper container(s)? Yes 🗸 Sufficient sample volume for indicated test(s)? Yes 🗸 No 7. Are samples (except VOA and ONG) properly preserved? No 🗹 NA 🗌 Yes 8. Was preservative added to bottles? No 🗌 NA 🗸 Yes 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 No 🗹 10. Were any sample containers received broken? # of preserved bottles checked Yes 🛂 No 🗌 for pH: 11. Does paperwork match bottle labels? (2) or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? Yes 🗸 No 🗌 12. Are matrices correctly identified on Chain of Custody? No 🗌 13. Is it clear what analyses were requested? Checked by: Yes 🗸 No 🗌 9-8-23 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 🗌 No 🗌 NA 🗹 Person Notified: Date: By Whom: 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

3.0

Good

Not Present Yogi

С	hain-	of-Cu	stody Record	Turn-Around	Time:					77	н	ΙΔΙ	LL E	=N/	/TE	20	NN	4 F I	NT	۵ı	
Client:				Standard	□ Rush								ALY								,
	ineering, Address		and Technology	Project Name					400	4 LI			/.halle					100			
				Project #:	airies (DAD's)		-	l						•							
	ld Ave S			- 10ject #.				Ed to Color	l el	1. 50	5-34	5-38		rax alysis		-345-	-	7.1314	STATE		716
Phone:		505-715							-				Ana	alysis	Rec	uest	OK.E	MEAN	S FERRO		
email o	r Fax#:		rmullen@eaest.com	Project Mana	•				300		1					1 1				•	
QA/QC I □ Stan	Package: dard		☐ Level 4 (Full Validation)		Gina Mullen		100		EPA Method	၁၉		۵		6010B							
Accredi		☐ Az Co ☐ Other	mpliance	Sampler: On Ice:	Angel N. Rive		GI		EPA N	NORG	<u>ي</u>	C MOD	8	PA 60				į			
	(Type) _			# of Coolers:				1		4500	EPA	2540	EPA 300	S	_						
Date	Time	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type		No.		Nitrate/Nitrites	TKN SM 4	ide	TDS SM 2	Sulfate EP	Phosphorus EPA	Total Sulfur						
3-7	10:45	Gw	DAD-06R	2		-001			X	X	X	X				Ш				_	_
37	13:20	Gw	DAD-24	2		-002			X	X	X,	X						_	\perp		
3-7	15:00	aw	DAD-19	2		-003			X	X	거	X								_	-
									_	_					_						_
									\rightarrow	$ \rightarrow $					_	_				_	-
						A ₁									↓_				_	_	
												_			_	_			_	_ _	1
											_	_	_		-				\dashv	_	-
						14)		\sqcup					_		<u> </u>	╄				_	┼
									_					_	-	-			_	\dashv	+
									_						-	-			+	-	\vdash
		- · ·		Cooping d hur	Via:	Date	Time	Dais	20111												
Date: 3-7	Time: 17:25	Relinquish	led by:	Received by:	FED EX			Rem	iaiks	> .											
Date:	Time:	Relinquish	ned by:	Received by:	Via:	Date	Time														
	l					1							4 4 4	20.6				د الشراجد.	-1		



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

March 21, 2023

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

RE: Dona Ana Dairies OrderNo.: 2303190

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/3/2023 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 2303190

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-01

 Project:
 Dona Ana Dairies
 Collection Date: 3/2/2023 10:40:00 AM

 Lab ID:
 2303190-001
 Matrix: GROUNDWA
 Received Date: 3/3/2023 10:05:00 AM

Analyses	Result	RL	Qual	DF	Date Analyzed	
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	470	50	*	mg/L	100	3/3/2023 4:09:56 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/3/2023 3:57:29 PM
Nitrogen, Nitrate (As N)	16	1.0	*	mg/L	10	3/3/2023 3:57:29 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: DML
Total Dissolved Solids	1690	100	*D	mg/L	1	3/10/2023 9:34:00 AM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/9/2023 2:50:00 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303190

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-13

 Project:
 Dona Ana Dairies
 Collection Date: 3/2/2023 12:20:00 PM

 Lab ID:
 2303190-002
 Matrix: GROUNDWA
 Received Date: 3/3/2023 10:05:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	690	50	*	mg/L	100	3/3/2023 4:34:49 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/3/2023 4:22:22 PM
Nitrogen, Nitrate (As N)	12	1.0	*	mg/L	10	3/3/2023 4:22:22 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: DML
Total Dissolved Solids	2330	100	*D	mg/L	1	3/10/2023 9:34:00 AM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/9/2023 2:50:00 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303190

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-12

 Project:
 Dona Ana Dairies
 Collection Date: 3/2/2023 2:27:00 PM

 Lab ID:
 2303190-003
 Matrix: GROUNDWA
 Received Date: 3/3/2023 10:05:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	810	50	*	mg/L	100	3/3/2023 5:24:35 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/3/2023 5:12:09 PM
Nitrogen, Nitrate (As N)	11	1.0	*	mg/L	10	3/3/2023 5:12:09 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: DML
Total Dissolved Solids	3120	50.0	*	mg/L	1	3/10/2023 9:34:00 AM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/9/2023 2:50:00 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303190

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-14

 Project:
 Dona Ana Dairies
 Collection Date: 3/2/2023 3:50:00 PM

 Lab ID:
 2303190-004
 Matrix: GROUNDWA
 Received Date: 3/3/2023 10:05:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	1100	50	*	mg/L	100	3/3/2023 5:49:27 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/3/2023 5:37:01 PM
Nitrogen, Nitrate (As N)	45	1.0	*	mg/L	10	3/3/2023 5:37:01 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: DML
Total Dissolved Solids	3490	100	*D	mg/L	1	3/10/2023 9:34:00 AM
SM 4500 NORG C: TKN						Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/9/2023 2:50:00 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range
Orting Limit Page 4 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303190**

21-Mar-23

Client: Project:	EA Engineering Dona Ana Dairi									
Sample ID: MB	Sa	mpType: N	IBLK	Tes	tCode: El	PA Method	300.0: Anions			
Client ID: PBW		atch ID: R			RunNo: 9	5027				
Prep Date:		sis Date:			SegNo: 3		Units: mg/L			
	•				•		Ū			
Analyte Chloride	Resu N			SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	N N									
Nitrogen, Nitrate (As N)										
Sample ID: LCS	Sa	mpType: L	cs	Tes	tCode: El	PA Method	300.0: Anions	;		
Client ID: LCSW	, E	atch ID: R	95027	F	RunNo: 9	5027				
Prep Date:	Analys	sis Date: 3	3/3/2023	;	SeqNo: 3	435954	Units: mg/L			
Analyte	Resu	ılt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4	7 0.50	5.000	0	93.7	90	110			
Nitrogen, Nitrite (As N)	0.9	7 0.10	1.000	0	97.1	90	110			
Nitrogen, Nitrate (As N)	2	5 0.10	2.500	0	99.0	90	110			
Sample ID: MB	Sa	mpType: N	IBLK	Tes	tCode: El	PA Method	300.0: Anions	;		
Client ID: PBW	E	atch ID: R	95027	F	RunNo: 9	5027				
Prep Date:	Analys	sis Date: 3	3/4/2023	;	SeqNo: 3	436026	Units: mg/L			
Analyte	Resu	ılt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	N	D 0.50)							
Nitrogen, Nitrite (As N)	N	D 0.10)							
Nitrogen, Nitrate (As N)	N	D 0.10)							
Sample ID: LCS	Sa	mpType: L	cs	Tes	tCode: El	PA Method	300.0: Anions	<u> </u>		
Client ID: LCSW	' E	atch ID: R	95027	F	RunNo: 9	5027				
Prep Date:	Analys	sis Date: 3	3/4/2023	;	SeqNo: 3	436027	Units: mg/L			
Analyte	Resu	ılt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.	6 0.50	5.000	0	92.7	90	110	-		
Nitrogen, Nitrite (As N)	0.9	6 0.10	1.000	0	96.0	90	110			

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 standard limits. If undiluted results may be estimated.

2.4

0.10

2.500

B Analyte detected in the associated Method Blank

97.8

90

110

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

0

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303190**

21-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73570 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73570 RunNo: 95162

Prep Date: 3/8/2023 Analysis Date: 3/10/2023 SeqNo: 3441249 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73570 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73570 RunNo: 95162

Prep Date: 3/8/2023 Analysis Date: 3/10/2023 SeqNo: 3441250 Units: mg/L

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

Total Dissolved Solids 1050 50.0 1000 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303190**

21-Mar-23

Client: EA Engineering
Project: Dona Ana Dairies

Sample ID: MB-73573 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73573 RunNo: 95160

Prep Date: 3/8/2023 Analysis Date: 3/9/2023 SeqNo: 3441110 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-73573 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73573 RunNo: 95160

Prep Date: 3/8/2023 Analysis Date: 3/9/2023 SeqNo: 3441111 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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

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

Sample Log-In Check List

Work Order Number: 2303190 RcptNo: 1 Client Name: **EA Engineering** Sulget Received By: 3/3/2023 10:05:00 AM Sean Livingston Sulgot Completed By: Sean Livingston 3/3/2023 10:42:18 AM 3/3/23 Reviewed By: Chain of Custody Yes 🗸 No 🗌 Not Present 1. Is Chain of Custody complete? 2 How was the sample delivered? FedEx Log In No \square NA 🗍 3. Was an attempt made to cool the samples? Yes 🗸 No □ NA 🗌 Yes 🗸 4. Were all samples received at a temperature of >0° C to 6.0°C No \square Yes 🔽 5. Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? No 🗌 Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? No 🗹 NA 🗌 Yes 🗌 8. Was preservative added to bottles? NA 🔽 No 🗌 Yes 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 No 🗹 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗹 No 🗌 for pH: 11. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Yes 🗸 No [12. Are matrices correctly identified on Chain of Custody? No 🗌 Yes 🗹 13. Is it clear what analyses were requested? Checked by: D4D 3/3/23 Yes 🗸 No 🗌 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 🗌 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 0.4 Good Not Present YOGI

C	hain	of-Cu	stody Record	Turn-Around	Time:			100				I A I	LL	EN	3/7 7	гD	~ "	AH INA	9 12 1	AIT	. A I	
Client:		And the second		Standard	□ Rush			-		7	400	7	LL AL									
	jineering, Address		and Technology	Project Name							(een at	www	v.halle	enviro	onm	enta	al.cor	m				
viaiiiig	Address	•			airies (DAD's)				490)1 H	awki	ns N	1E -	Albu	quer	rque	, NM	1871	109			
320 Go	ld Ave S	W Suite		Project #:					Те	1. 50	5-34	5-39	-		-		345-4	1107				
Phone	#:	505-715	-4279						Pleas.				Ar	nalys	is R	equ	est		W W			
email o	r Fax#:		rmullen@eaest.com	Project Mana	iger:				300										1	l.		
QA/QC □ Star	Package:		☐ Level 4 (Full Validation)		Gina Mullen				thod	S					88							
		□ Az Co	mpliance	Sampler:	Angel N. Rive	era		1	Ž	4500 NORG		MOD			EPA 6010B							
□ NEL		□ Other	•	On Ice:	Yes	□No		1 1	EP/	일	300	5	8	;	₹							
	(Type)			# of Coolers:		4	OGI		es	8	EPA (2540 C	A 3(i	رم ا ا							
Date	Time	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type		L No.		Nitrate/Nitrites	TKN SM 4	ide	TDS SM 2	Sulfate EPA 300		Phosphorus	Total Sulfur						
3-2	10:40	GW	DAD-01	2			001		X	X		X										
3-2	12:20		DAD-13	2			202		X	X	X	X						\top				
3-2		1	DAD-12	2			003		X	300	X	X										
-	15:50		DAD-14	2			204		X	X	X	X					П	\Box		П		
•	10 30	9.00					<u> </u>	\Box							\neg	\neg		\neg	\neg	\neg	\neg	
																\dashv	\dashv	\top		\dashv	\dashv	
													\exists	\top	\top	+		\dashv	\dashv	\dashv	寸	
						1		П										\neg		\neg		
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date	Time	Rem	narks	S:												
3-2	17:45	Val	ne	Sec	Febra	3/3	27 10:05															
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date	Time															
	l							Ц														



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

March 21, 2023

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

RE: Del Oro Dairy OrderNo.: 2303108

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/2/2023 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 **2303108**

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-02

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2023 10:05:00 AM

 Lab ID:
 2303108-001
 Matrix: GROUNDWA
 Received Date: 3/2/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF I	Batch	
EPA METHOD 300.0: ANIONS						Analyst	NAI
Chloride	820	50	*	mg/L	100	3/2/2023 11:46:15 PM	A95004
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/2/2023 11:33:50 PM	A95004
Nitrogen, Nitrate (As N)	130	10	*	mg/L	100	3/2/2023 11:46:15 PM	A95004
Sulfate	450	50	*	mg/L	100	3/2/2023 11:46:15 PM	A95004
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	DML
Total Dissolved Solids	3190	50.0	*	mg/L	1	3/7/2023 10:15:00 AM	73499
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/8/2023 10:14:00 AM	73546

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Lab Order **2303108**

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-01

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2023 11:16:00 AM

 Lab ID:
 2303108-002
 Matrix: GROUNDWA
 Received Date: 3/2/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS					Analyst: NA	ΑI
Chloride	820	50	*	mg/L	100 3/3/2023 12:35:54 AM A95	5004
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 3/3/2023 12:23:29 AM A95	5004
Nitrogen, Nitrate (As N)	130	10	*	mg/L	100 3/3/2023 12:35:54 AM A95	5004
Sulfate	460	50	*	mg/L	100 3/3/2023 12:35:54 AM A95	5004
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: DM	ИL
Total Dissolved Solids	3400	50.0	*	mg/L	1 3/7/2023 10:15:00 AM 734	499
SM 4500 NORG C: TKN					Analyst: EK	KM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 3/8/2023 10:14:00 AM 735	546

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2303108**

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-10

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2023 12:55:00 PM

 Lab ID:
 2303108-003
 Matrix: GROUNDWA
 Received Date: 3/2/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	640	50	*	mg/L	100	3/3/2023 1:00:43 AM	A95004
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/3/2023 12:48:19 AM	A95004
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	3/3/2023 12:48:19 AM	A95004
Sulfate	200	5.0		mg/L	10	3/3/2023 12:48:19 AM	A95004
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	1540	250	*D	mg/L	1	3/7/2023 10:15:00 AM	73499
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/8/2023 10:14:00 AM	73546

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

Lab Order **2303108**

Date Reported: 3/21/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-08

 Project:
 Del Oro Dairy
 Collection Date: 3/1/2023 4:20:00 PM

 Lab ID:
 2303108-004
 Matrix: GROUNDWA
 Received Date: 3/2/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	430	50	*	mg/L	100	3/3/2023 1:50:22 AM	A95004
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/3/2023 1:13:07 AM	A95004
Nitrogen, Nitrate (As N)	3.0	1.0		mg/L	10	3/3/2023 1:13:07 AM	A95004
Sulfate	190	5.0		mg/L	10	3/3/2023 1:13:07 AM	A95004
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	1330	50.0	*	mg/L	1	3/7/2023 10:15:00 AM	73499
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/8/2023 10:14:00 AM	73546

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

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303108**

21-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: A95004 RunNo: 95004 Prep Date: Analysis Date: 3/2/2023 SeqNo: 3434902 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: Ics	1	Tes	tCode: El	PA Method	300.0: Anion	s					
Client ID: LCSW	Batch	1D: A9	5004	F	RunNo: 9	5004							
Prep Date:	Analysis D	ate: 3/	2/2023	\$	SeqNo: 3	434903	Units: mg/L	Jnits: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Chloride	4.6	0.50	5.000	0	92.7	90	110						
Nitrogen, Nitrite (As N)	0.96	0.10	1.000	0	95.9	90	110						
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0	98.0	90	110						
Sulfate	9.5	0.50	10.00	0	94.9	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 Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303108**

21-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73499 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73499 RunNo: 95063

Prep Date: 3/3/2023 Analysis Date: 3/7/2023 SeqNo: 3437880 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73499 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73499 RunNo: 95063

Prep Date: 3/3/2023 Analysis Date: 3/7/2023 SeqNo: 3437881 Units: mg/L

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

Total Dissolved Solids 1040 50.0 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2303108**

21-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73546 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73546 RunNo: 95106

Prep Date: 3/7/2023 Analysis Date: 3/8/2023 SeqNo: 3439540 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-73546 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73546 RunNo: 95106

Prep Date: 3/7/2023 Analysis Date: 3/8/2023 SeqNo: 3439541 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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

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

Sample Log-In Check List

Client Name:	EA Enginee	ering	Work	Order Num	ber: 2303	108		R	ccptNo: 1
Received By:	Desiree D	ominguez	3/2/202	3 10:00:00	AM		D		
Completed By: Reviewed By:	Desiree D		3/2/202	3 10:35:47	AM		D ₃	_	
Chain of Cus	tody							_	_
1. Is Chain of C	ustody compl	ete?			Yes	✓	No	Not Presen	ıt 🗔
2. How was the	sample deliv	ered?			FedE	<u>x</u>			
Log In 3. Was an atten	npt made to o	ool the sam	oles?		Yes	✓	No 🗆] N/	АП
4. Were all sam	ples received	at a tempera	ature of >0° C	to 6.0°C	Yes	✓	No 🗆] N/	A \square
5. Sample(s) in	proper contai	ner(s)?			Yes	✓	No []	
6. Sufficient san	nple volume f	or indicated t	est(s)?		Yes	~	No 🗆		
7. Are samples	(except VOA	and ONG) pr	operly preserve	ed?	Yes	V	No 🗌		
8. Was preserva	ative added to	bottles?			Yes		No 🗹	NA NA	
9. Received at le	east 1 vial wit	h headspace	<1/4" for AQ \	OA?	Yes		No 🗆	l NA	. 🗹
10. Were any sa	mple containe	rs received l	oroken?		Yes		No 🗹	# of preserved	d
11. Does paperw (Note discrep			n)		Yes	✓	No 🗆	bottles checked for pH:	ed (2) or >12 unless noted)
12. Are matrices					Yes	✓	No 🗆	Adjuste	d? N/8
13. Is it clear wha					Yes	V	No 🗆]	1.
14. Were all holdi (If no, notify c	_)		Yes	V	No 🗆	Checked	by: The 3/2/23
Special Hand	ling (if app	licable)							
15. Was client no	otified of all di	screpancies	with this order?)	Yes		No [] N/	4 🗹
Person By Wha Regard				Date: Via:	eMa	il 🔲	Phone 🗌 Fa	ax	
_	nstructions:								
16. Additional re	emarks:								
17. Cooler Info		1 -	1.			non-cut		No.	
Cooler No	Temp ℃ 0.4	Condition Good	Seal Intact Not Present	Seal No Morty	Seal Da	ite	Signed By		
			-1	<u> </u>					

C	hain-	of-Cu	stody Record	Turn-Around	Time:	A Committee of the Comm						_		TE		AI B	4 = 1	NT		
Client:				Standard	□ Rush	2.			_									TO		,
	ineering, Address		and Technology	Project Name	9 :			400:	1 ⊔-		w.hal	lenvi	ronn	nent	al.co	m		-		
	old Ave S			Project #:	/		-			5-345-			·	•	≅, iniv 345-4					
Phone		505-715-	4279	1			ARA					naly		_						
	r Fax#:		rmullen@eaest.com	Project Mana	ger:		П	300.	\top						T	\top	T		T	
QA/QC □ Star	Package:		☐ Level 4 (Full Validation)		Gina Mullen			lethod 3	ر ا				10B							
□ NEL	.AC	□ Az Co	mpliance	On Ice:	Angel N. Rive	□No			NORG	300 C MOD	300		EPA 6010B							
□ EDE	(Type) _	Matrix	Sample Name	Container		Moety 0-0.2=0.4% HEAL No. 2303108	-	e/N	TKN SM 4500	Chloride EPA 300 TDS SM 2540 C	te E		Phosphorus E	Total Sulfur						
3-1		Gw	EW-02	2		-001		X	Х	XX	- 0			-		\top	\dashv		1	\top
3-1	1	Gw	EW-01	2		-002		X	2	УX	1					\top				
3-1	12:55		692-10	2		-003		y,	X	<u>ر</u> کر	X					\neg	\exists			
3-1	16:20		692-08	2		-004		У,	X	ע ע	X				\neg	\Box				
							\vdash	\dashv	+			\dashv	_		\dashv	\dashv	\dashv	+	-	
																	# #	士		
	-							_	_				_		\dashv	\dashv	\dashv	+	_	_
							\vdash	\dashv	+	\dashv	 	\vdash	\dashv			\dashv	\dashv	-	-	-
				<u> </u>			+-+		_		-					\dashv	\dashv	+	-	+
							\vdash		\dashv	-	+-	\vdash	\dashv	-		\dashv	\dashv	+	+	+
Date: 3-(Date:	Time:	Relinquish Relinquish	lar	Received by:	Via: S Fed E Via:	Date Time 5+ 3/2/73 10:00 Date Time	Rem	arks:				<u> </u>								<u>I</u>
						() 1/														



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

February 16, 2023

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

RE: Bright Star Dairy OrderNo.: 2302453

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/9/2023 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 2302453

Date Reported: 2/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 86/340-01

 Project:
 Bright Star Dairy
 Collection Date: 2/8/2023 11:05:00 AM

 Lab ID:
 2302453-001
 Matrix: GROUNDWA
 Received Date: 2/9/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyz	zed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	CAS
Chloride	260	50	*	mg/L	100 2/9/2023 5:48	:08 PM	R94535
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/9/2023 5:35	:17 PM	R94535
Nitrogen, Nitrate (As N)	3.2	1.0		mg/L	10 2/9/2023 5:35	:17 PM	R94535
Sulfate	810	50	*	mg/L	100 2/9/2023 5:48	:08 PM	R94535
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	DML
Total Dissolved Solids	2210	20.0	*	mg/L	1 2/14/2023 1:1	5:00 PM	73158
SM 4500 NORG C: TKN						Analyst:	EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1 2/14/2023 12:	48:00 PM	73152

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302453

Date Reported: 2/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70/86/340-01

 Project:
 Bright Star Dairy
 Collection Date: 2/8/2023 12:55:00 PM

 Lab ID:
 2302453-002
 Matrix: GROUNDWA
 Received Date: 2/9/2023 9:20:00 AM

Analyses	Result	RL	RL Qual Units			DF Date Analyzed					
EPA METHOD 300.0: ANIONS						Analyst	JMT				
Chloride	2000	100	*	mg/L	200	2/14/2023 11:22:59 PM	A94607				
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/9/2023 6:01:00 PM	R94535				
Nitrogen, Nitrate (As N)	29	1.0	*	mg/L	10	2/9/2023 6:01:00 PM	R94535				
Sulfate	1600	50	*	mg/L	100	2/9/2023 6:13:52 PM	R94535				
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	DML				
Total Dissolved Solids	6560	20.0	*	mg/L	1	2/14/2023 1:15:00 PM	73158				
SM 4500 NORG C: TKN						Analyst	EKM				
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/14/2023 12:48:00 PM	73152				

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302453

Date Reported: 2/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 340-01

Project:Bright Star DairyCollection Date: 2/8/2023 3:05:00 PMLab ID:2302453-003Matrix: GROUNDWAReceived Date: 2/9/2023 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	600	50	*	mg/L	100	2/9/2023 7:05:28 PM	R94535
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/9/2023 6:52:35 PM	R94535
Nitrogen, Nitrate (As N)	61	1.0	*	mg/L	10	2/9/2023 6:52:35 PM	R94535
Sulfate	500	50	*	mg/L	100	2/9/2023 7:05:28 PM	R94535
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	2840	40.0	*D	mg/L	1	2/14/2023 1:15:00 PM	73158
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/14/2023 12:48:00 PM	73152

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

Client:

Hall Environmental Analysis Laboratory, Inc.

SampType: mblk

Batch ID: A94607

Analysis Date: 2/14/2023

PQL

0.50

Result

ND

EA Engineering Alb

WO#: **2302453**

16-Feb-23

Project:	Bright Star Dai	ry										
Sample ID: MB	S	ampType: m l	blk	Tes	tCode: EF	PA Method	300.0: Anions					
Client ID: PBW		Batch ID: R9	94535	F	RunNo: 9 4	4535						
Prep Date:	Analy	sis Date: 2	/9/2023	;	SeqNo: 3416963							
Analyte	Res	ult PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride	١	ID 0.50										
Nitrogen, Nitrite (As N)	١	ID 0.10										
Nitrogen, Nitrate (As N)	N	ID 0.10										
Sulfate	Ν	ID 0.50										
Sample ID: LCS	S	ampType: Ic:	S	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW		Batch ID: R9	94535	F	RunNo: 94	1535						
Prep Date:	Analy	sis Date: 2	/9/2023	;	SeqNo: 34	116964	Units: mg/L					
Analyte	Res	ult PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride	4	1.9 0.50	5.000	0	97.5	90	110					
Nitrogen, Nitrite (As N)	1	.0 0.10	1.000	0	99.9	90	110					
Nitrogen, Nitrate (As N)	2	2.6 0.10	2.500	0	103	90	110					
Sulfate	9	0.50	10.00	0	99.0	90	110					
Sample ID: LCS	S	ampType: Ic:	S	Tes	tCode: EF	PA Method	300.0: Anions					
Client ID: LCSW		Batch ID: A9	94607	F	RunNo: 94	1607						
Prep Date:	Analy	sis Date: 2	/14/2023	;	SeqNo: 34	119986	Units: mg/L					
Analyte	Res	ult PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride	4	.7 0.50	5.000	0	94.4	90	110					

Qualifiers:

Sample ID: MB

PBW

Client ID:

Prep Date:

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

TestCode: EPA Method 300.0: Anions

Units: mg/L

HighLimit

%RPD

RPDLimit

Qual

RunNo: 94607

SPK value SPK Ref Val %REC LowLimit

SeqNo: 3419987

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302453**

16-Feb-23

Client: EA Engineering Alb
Project: Bright Star Dairy

Sample ID: MB-73158 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73158 RunNo: 94589

Prep Date: 2/13/2023 Analysis Date: 2/14/2023 SeqNo: 3419370 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-73158 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73158 RunNo: 94589

Prep Date: 2/13/2023 Analysis Date: 2/14/2023 SeqNo: 3419371 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302453

16-Feb-23

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

Sample ID: MB-73152 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73152 RunNo: 94594

Prep Date: 2/13/2023 Analysis Date: 2/14/2023 SeqNo: 3419470 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-73152 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73152 RunNo: 94594

Prep Date: 2/13/2023 Analysis Date: 2/14/2023 SeqNo: 3419471 Units: mg/L

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

Nitrogen, Kjeldahl, Total 9.5 1.0 10.00 95.2 80 120

Sample ID: 2302453-001AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: 86/340-01 Batch ID: 73152 RunNo: 94594

Prep Date: Analysis Date: 2/14/2023 SeqNo: 3419473 Units: mg/L 2/13/2023

Analyte Result POI SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual I owl imit

Nitrogen, Kjeldahl, Total 10.00 0.5600

Sample ID: 2302453-001AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: Batch ID: 73152 RunNo: 94594 86/340-01

1.0

9.9

Analysis Date: 2/14/2023 Prep Date: 2/13/2023 SeqNo: 3419474 Units: mg/L

10.00

Analyte **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Result LowLimit 0.5600

93.8

75

125

n

20

Qualifiers:

Nitrogen, Kjeldahl, Total

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Е Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: 2302453 RcptNo: 1 Received By: **Desiree Dominguez** 2/9/2023 9:20:00 AM Completed By: **Desiree Dominguez** 2/9/2023 10:40:25 AM Jn 2/a/23 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 No 🗌 3. Was an attempt made to cool the samples? Yes 🔽 NA 🗍 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 5. Sample(s) in proper container(s)? No 🗌 Yes 🗸 Yes 🗸 No \square 6. Sufficient sample volume for indicated test(s)? No 🗆 Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? No 🗹 NA 🗌 Yes 🗌 8. Was preservative added to bottles? No 🗌 NA 🗸 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 Yes No 🗸 10. Were any sample containers received broken? # of preserved bottles checked No 🗌 11. Does paperwork match bottle labels? Yes 🔽 for pH: (or >12 unless noted) (Note discrepancies on chain of custody) No 🗌 Adjusted? 12. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗌 13. Is it clear what analyses were requested? Yes 🗸 2-9-23 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: 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 1.4 Good Not Present Youi

C	hain	of-Cu	stody Record	Turn-Around	Time:	4																
Client:				Standard	□ Rush					\exists										NT		
	gineering Address		, and Technology	Project Name	e:				40	24.11		wwv	v.hal	lenvi	ronr	nent	tal.co	m				•
	old Ave S		**	Project #:	Tar Dainy			-			ıawkı)5-34						e, NN -345-					
Phone		505-715	-4279	1									-				uest	-	100			
email o	r Fax#:		rmullen@eaest.com	Project Mana	ager:		-		300.													
QA/QC □ Star	Package:		□ Level 4 (Full Validation)		Gina Mullen				ethod 3	S					0B							
□ NEL	AC	☐ Az Co ☐ Other	mpliance	Sampler: On Ice:	Angel N. Rive	era □ No			EPA M	NORG	300	СМОВ	300		PA 601							
	(Type) _	·		# of Coolers:			YOGI		ites	200	EPA	2540	A 3		IS E	_						
Date	Time	Matrix	Sample Name	Container	Preservative Type		HEAL No.		Nitrate/Nitrites EPA Method	TKN SM 4500	Chloride E	TDS SM 2	Sulfate EPA		Phosphorus EPA 6010B	Total Sulfur						
2-8	11:05	Gw	86/340-01	2			-001		メ		X		X				\Box	\top	\neg			\top
2-8	12:55	Gu	70/86/340-01	2			-002		X	X	X		X									
2-8	15:05	Gw	340-01	2	_	1	-003		X	X	Х	X	X									
						2																
						1		Ш														
																						\perp
						1								_		_	Щ	_	_	\perp		
		ñ				1		<u> </u>				_		_	_			\dashv	_	\perp		
						<u> </u>		\perp			_							_	_			_
								\sqcup		_	\dashv	_		\dashv	_			\dashv	_	_	_	_
								\vdash			\dashv			\dashv	\dashv	\dashv	$\vdash \vdash$	\dashv	\dashv	\dashv	_	+
Date:	Time:	Relinguish	ed by:	Received by:	Via:	Da	ite Time	Ren	narks	<u>_</u>												
2-8	18:00	1	lar	100	FedEx		1/23 9:20	1	iaini	٠.												
Date:	Time:	Relinquish	10.00 (10	Received by:	Via:		ate Time															
	<u> </u>	L		<u></u>																		



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

January 20, 2023

Sam Carver Glorieta GeoScience

P.O. Box 5727

Santa Fe, NM 87502 TEL: (505) 983-5446 FAX: (505) 983-6482

RE: Organ Dairy OrderNo.: 2301501

Dear Sam Carver:

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/12/2023 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 2301501

Date Reported: 1/20/2023

Hall Environmental Analysis Laboratory, Inc.

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

Collection Date: 1/11/2023 9:50:00 AM **Project:** Organ Dairy 2301501-001 Matrix: AQUEOUS Lab ID: Received Date: 1/12/2023 12:50:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	700	50	*	mg/L	100	1/12/2023 11:53:33 PM	A93930
Nitrogen, Nitrate (As N)	14	1.0	*	mg/L	10	1/12/2023 11:40:43 PM	A93930
Sulfate	800	50	*	mg/L	100	1/12/2023 11:53:33 PM	A93930
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	1600	20.0	*	mg/L	1	1/17/2023 1:09:00 PM	72643
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	1/18/2023 9:50:00 AM	72660

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits Sample pH Not In Range
- RL Reporting Limit

Lab Order 2301501

Date Reported: 1/20/2023

Hall Environmental Analysis Laboratory, Inc.

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

 Project:
 Organ Dairy
 Collection Date: 1/11/2023 11:50:00 AM

 Lab ID:
 2301501-002
 Matrix: AQUEOUS
 Received Date: 1/12/2023 12:50:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	420	50	*	mg/L	100	1/13/2023 12:19:16 AM	A93930
Nitrogen, Nitrate (As N)	4.3	1.0		mg/L	10	1/13/2023 12:06:25 AM	A93930
Sulfate	510	50	*	mg/L	100	1/13/2023 12:19:16 AM	A93930
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2210	20.0	*	mg/L	1	1/17/2023 1:09:00 PM	72643
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	1/18/2023 9:50:00 AM	72660

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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2301501

20-Jan-23

Client: Glorieta GeoScience

Project: Organ Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: A93930 RunNo: 93930 Prep Date: Analysis Date: 1/12/2023 SeqNo: 3391373 Units: mg/L Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Chloride ND 0.50 Nitrogen, Nitrate (As N) ND 0.10

Sulfate ND 0.50

Sample ID: LCS TestCode: EPA Method 300.0: Anions SampType: Ics Client ID: LCSW Batch ID: A93930 RunNo: 93930 Prep Date: Analysis Date: 1/12/2023 SeqNo: 3391374 Units: mg/L SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Chloride 4.6 0.50 5.000 0 92.6 90 110 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 98.1 90 110 Sulfate 0 95.9 9.6 0.50 10.00 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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Е Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301501**

20-Jan-23

Client: Glorieta GeoScience

Project: Organ Dairy

Sample ID: MB-72643 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 72643 RunNo: 94002

Prep Date: 1/16/2023 Analysis Date: 1/17/2023 SeqNo: 3393641 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-72643 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 72643 RunNo: 94002

Prep Date: 1/16/2023 Analysis Date: 1/17/2023 SeqNo: 3393642 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

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301501**

20-Jan-23

Client: Glorieta GeoScience

Project: Organ Dairy

Sample ID: MB-72660 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 72660 RunNo: 94020

Prep Date: 1/17/2023 Analysis Date: 1/18/2023 SeqNo: 3394272 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-72660 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 72660 RunNo: 94020

Prep Date: 1/17/2023 Analysis Date: 1/18/2023 SeqNo: 3394273 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Glorieta GeoScience Work Order Number: 2301501 RcptNo: 1 Humay 5 Received By: 1/12/2023 12:50:00 PM Juan Rojas Completed By: **Tracy Casarrubias** 1/12/2023 1:41:22 PM Reviewed By: DAD 01/12/23 Chain of Custody No \square 1. Is Chain of Custody complete? Yes 🗸 Not Present 2. How was the sample delivered? Client Log In Yes 🗸 No 🗍 NA 🗍 3. Was an attempt made to cool the samples? No 🗌 NA 🗆 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🔽 Sample(s) in proper container(s)? Yes 🗸 No 🗌 Yes 🗸 No 🗌 Sufficient sample volume for indicated test(s)? No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🔽 No 🔽 NA 🗌 8. Was preservative added to bottles? Yes 🗌 No 🗌 NA 🗹 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes Yes No 🔽 10. Were any sample containers received broken? # of preserved bottles checked No 🗀 for pH: 11. Does paperwork match bottle labels? Yes 🗹 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? 12. Are matrices correctly identified on Chain of Custody? Yes 🗹 No \square No 🗌 Yes 🗹 13. Is it clear what analyses were requested? Checked by: See 1/12/23 14. Were all holding times able to be met? Yes 🗹 No ∐ (If no, notify customer for authorization.) Special Handling (if applicable) Yes 15. Was client notified of all discrepancies with this order? No 🗌 NA 🗹 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Temp °C Cooler No Condition Seal Intact Seal No Seal Date Signed By 0.4 Good Not Present

C	hain	-of-Cu	ustody Record	Turn-Around	Time:		HALL ENVIRONMENT						NT	AI							
Client:	Glov	nuter	Grens Science	Standard	l □ Rush	1	-		\neg												,
				Project Nam												tal.co					4.
Mailing	Address	s: 17Z	-3 2" St.		rgan D	Dain		490	01 H								м 87	109			
S	in to	Fre	NM. 87505	Project #:		PA P P P P P P P P P P P P P P P P P P								-			410				
Phone	#: 5	25	983 5446				100	No.				- 3	100	- VA-	W 211	uest		193	A SALE	14 16	
email o	r Fax#:	Carver	· e glorietageo.com	Project Mana	ager:		5	6					SO4			돧			19100	T	
QA/QC	Package:				77.11		TMB's (8021)	/ MR	PCB's		8270SIMS		PO ₄ , S			Abse			4		
☑ Star			☐ Level 4 (Full Validation)		n Carre	سار	B's	잁			Z02		2, P(sut/	7	~			
			ompliance	Sampler:	JStar		Ĭ	0	808	1.1			NO ₂ ,		~	rese	, 50	Noz			
□ NEL	(Type)	□ Othe	<u>r</u>	On Ice: # of Coolers:	Yes	□ No	Ę,) 	les/	150	0	als			/O	n (P)	5				
	(Type)	1				3+0.1=0.4 (°C)	MTB) ((iticic	ᇍ	831	Met	ž	Æ	mi-\	iforr	5	2	4.0		
				Container	Preservative	HEAL No.	BTEX/ MTBE	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310 or	RCRA 8 Metals	CI, F, Br, NO ₃ ,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	TDS, C1,504	TLWI			
Date	Time		Sample Name	Type and #	Туре	2361501	B	片	8	쁴	2	쮼	<u>ن</u>	82	82	은	11				\perp
11/23	450	Ag	MW 126-13	27500	Hzsay	001											\succ	\times	arit bi	nik ja	
11/23	1150	Ay	MW 126-12	4	l l	007							10		- 144		X	+	nd/in-		
3 9			W 10 100 11			(C1000) (C. 1000)						- Mag	1000	alle A		V- V-	7	1113-40	(1) 520		
31				2 11							la. In	12.5		er de la	dr m	127	1911	77	in the		П
				, and the second	T T H and A					11					296		-	ra lett	r. in		
					Te so la fe							do e	12 -		42	L ye					
																	176	and the same	11.4		\top
			e u - E	7							a an			LIVEL	E 60		24 8			11	\top
	= = =				Si Si Si Si Si						7	D - V	1-m	7	Total						
		1 11		Eq											ume ()		r re- Ali	1000			\top
					ik ekit iki			10			= 1				11-01	Č a a	T. Alle	Name of	34.1		\top
						material in the entry of	П					10.1	APUL	II Wild	100	11.00	the grid	041364			\top
Date: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Time:	Relinquish Relinquish	unh &	Received by:	(Via:	Date Time 12/23 257 Date Time	Ren	narks	3:											,	



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

March 01, 2023

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

RE: Big Sky Dairy OrderNo.: 2302A29

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/23/2023 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 2302A29

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-02

 Project:
 Big Sky Dairy
 Collection Date: 2/22/2023 11:33:00 AM

 Lab ID:
 2302A29-001
 Matrix: GROUNDWA
 Received Date: 2/23/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	1400	50	*	mg/L	100	2/23/2023 5:21:17 PM	R94850
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/23/2023 5:08:52 PM	R94850
Nitrogen, Nitrate (As N)	33	1.0	*	mg/L	10	2/23/2023 5:08:52 PM	R94850
Sulfate	730	50	*	mg/L	100	2/23/2023 5:21:17 PM	R94850
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	3690	50.0	*	mg/L	1	3/1/2023 10:33:00 AM	73398
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/28/2023 10:11:00 AM	73391

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

Lab Order 2302A29

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-08

 Project:
 Big Sky Dairy
 Collection Date: 2/22/2023 1:05:00 PM

 Lab ID:
 2302A29-002
 Matrix: GROUNDWA
 Received Date: 2/23/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	1300	50	*	mg/L	100	2/23/2023 5:46:06 PM	R94850
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/23/2023 5:33:41 PM	R94850
Nitrogen, Nitrate (As N)	30	1.0	*	mg/L	10	2/23/2023 5:33:41 PM	R94850
Sulfate	570	50	*	mg/L	100	2/23/2023 5:46:06 PM	R94850
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	3160	100	*D	mg/L	1	3/1/2023 10:33:00 AM	73398
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/28/2023 10:11:00 AM	73391

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

Lab Order 2302A29

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-07

 Project:
 Big Sky Dairy
 Collection Date: 2/22/2023 3:31:00 PM

 Lab ID:
 2302A29-003
 Matrix: GROUNDWA
 Received Date: 2/23/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	1200	50	*	mg/L	100	2/23/2023 6:10:55 PM	R94850
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/23/2023 5:58:31 PM	R94850
Nitrogen, Nitrate (As N)	70	10	*	mg/L	100	2/23/2023 6:10:55 PM	R94850
Sulfate	660	50	*	mg/L	100	2/23/2023 6:10:55 PM	R94850
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	3730	100	*D	mg/L	1	3/1/2023 10:33:00 AM	73398
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/28/2023 10:11:00 AM	73391

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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302A29** *01-Mar-23*

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions PBW Client ID: Batch ID: **R94850** RunNo: 94850 Prep Date: Analysis Date: 2/23/2023 SeqNo: 3428125 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	PA Method	300.0: Anions	;						
Client ID: LCSW	Batcl	h ID: R9	4850	F	RunNo: 94	4850				
Prep Date:	Analysis [Date: 2/ 2	23/2023	9	SeqNo: 34	428126	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	93.0	90	110			
Nitrogen, Nitrite (As N)	0.95	0.10	1.000	0	94.7	90	110			
Nitrogen, Nitrate (As N)	2.5 0.10 2.500 0 98.7				90	110				
Sulfate 9.3 0.50 10.00				0	92.8	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302A29**

01-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73398 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73398 RunNo: 94945

Prep Date: 2/27/2023 Analysis Date: 3/1/2023 SeqNo: 3432573 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73398 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73398 RunNo: 94945

Prep Date: 2/27/2023 Analysis Date: 3/1/2023 SeqNo: 3432574 Units: mg/L

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

Total Dissolved Solids 1040 50.0 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302A29**

01-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73391 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73391 RunNo: 94911

Prep Date: 2/27/2023 Analysis Date: 2/28/2023 SeqNo: 3431270 Units: mq/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-73391 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73391 RunNo: 94911

Prep Date: 2/27/2023 Analysis Date: 2/28/2023 SeqNo: 3431271 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering Work Order Num	ber: 2302A29		RcptNo: 1
Received By: Tracy Casarrubias 2/23/2023 8:45:00	AM		
Completed By: Desiree Dominguez 2/23/2023 10:02:41	I AM	TA	
Reviewed By: KPG 2.23.23			
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>	F-3	🗖	🗀
3. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA L
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?	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
11. Does paperwork match bottle labels?	Yes 🗹	No 🗆	bottles checked for pH:
(Note discrepancies on chain of custody)			(<2)or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted? MO
13. Is it clear what analyses were requested?	Yes 🗹	No 📙	729/23/
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by: MA 23 2
Special Handling (if applicable)			
15. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹
Person Notified: Date:			
By Whom: Via:	eMail I	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 1.2 Good Not Present Morty	Jour Date	Jigilou Dy	

С	hain-	of-Cu	stody Record	Turn-Around	Time:					Н	A	L IL	EN	VI	R	ON	M	EN	ΓΑ	L	
Client:				Standard	□ Rush_					A	N	AL	YS]	[S	LA	B	OR	AT	OF	ŁΥ	
	neering, Address:		and Technology	Project Name						awkir	ns N	nalle E -	Albud	quer	que,	NM	8710	9			
320 Gol	d Ave S\	N Suite		Project #:				l e	1. 50	5-34	5-38		ra alys			45-41 est	107	SM	100		
Phone #	<u> </u>	505-715-					Section 1	0					ary o								
email or	Fax#:		rmullen@eaest.com	Project Mana	-			300.			ı										
QA/QC F □ Stan	Package: dard		☐ Level 4 (Full Validation)		Gina Mullen			EPA Method	000		8			6010B							
□ NEL	AC		mpliance	Sampler: On Ice: # of Coolers:		no Moyty		es EPA I	SM 4500 NORG	A 300	SM 2540 C MOD	300		EPA 60							
□ EDD				Cooler Temp	O(Including CF): \3 Preservative	I I limit time I 1001		Nitrate/Nitrites	TKN SM 450	Chloride EPA	TDS SM 25	Sulfate EPA 300		Phosphorus EPA	Total Sulfur						
			Sample Name	 ' 	Туре	2302A29			-	0	F	S	-	<u>-</u>	<u> </u>		-	+	-	\vdash	\dashv
2-22	11:33	6w	833-02	2		-001	-	X		X	X	X	-	\dashv		\dashv	_	_	-		
	13:05		833.08	2		-002		X	_			X		_ _	_		_	_			
	15:31	aw	833-07	2		_003	\vdash	X	X	X	X	X	_	+	-	_	-	- -	-		
		<u></u>					\vdash	\dashv				\vdash	+	\dashv	\dashv	\dashv	+	+-	+		
													\dashv	\dashv	\dashv	\top		1			
														_	_		_	_	_		_
							_					\sqcup	\dashv	_	\dashv	_	_		┿	\vdash	-
							-			_			-	_	\dashv		-	-	-	-	-
							-		_			\vdash	\dashv	-	\dashv	+	\dashv	+	+	-	-
Date: 2-22 Date:	Time: 17:10	Relinquish	lan (Received by:	Via: Fed tx	Date Time	Rer	nark	s:		<u> </u>									1	
Date.						ing. This service on potion of t	his poss	ibility	Δηνισ	eub-co	ntract	ed data	will be	clear	lv notat	ted on	the ana	alvtical r	eport.		

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

March 06, 2023

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

RE: Big Sky Dairy OrderNo.: 2302A74

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/24/2023 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 2302A74

Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/6/2023

CLIENT: EA Engineering Client Sample ID: 833-05

Project: Big Sky Dairy Collection Date: 2/23/2023 11:12:00 AM 2302A74-001 Lab ID: Matrix: GROUNDWA Received Date: 2/24/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JTT
Chloride	1300	50	*	mg/L	100	2/24/2023 6:23:39 PM	R94872
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/24/2023 6:11:17 PM	R94872
Nitrogen, Nitrate (As N)	30	1.0	*	mg/L	10	2/24/2023 6:11:17 PM	R94872
Sulfate	450	50	*	mg/L	100	2/24/2023 6:23:39 PM	R94872
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	3300	100	*D	mg/L	1	3/2/2023 8:29:00 AM	73411
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/1/2023 1:23:00 PM	73428

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Lab Order **2302A74**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/6/2023

CLIENT: EA Engineering Client Sample ID: 833-09

 Project:
 Big Sky Dairy
 Collection Date: 2/23/2023 12:58:00 PM

 Lab ID:
 2302A74-002
 Matrix: GROUNDWA
 Received Date: 2/24/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF 1	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JTT
Chloride	850	50	*	mg/L	100	2/24/2023 7:37:57 PM	R94872
Nitrogen, Nitrite (As N)	1.0	1.0	*	mg/L	10	2/24/2023 7:25:35 PM	R94872
Nitrogen, Nitrate (As N)	100	10	*	mg/L	100	2/24/2023 7:37:57 PM	R94872
Sulfate	730	50	*	mg/L	100	2/24/2023 7:37:57 PM	R94872
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	4160	250	*D	mg/L	1	3/6/2023 11:04:00 AM	73479
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/1/2023 1:23:00 PM	73428

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

le pH Not In Range
ting Limit Page 2 of 6

Lab Order **2302A74**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/6/2023

CLIENT: EA Engineering Client Sample ID: 833-10

 Project:
 Big Sky Dairy
 Collection Date: 2/23/2023 2:22:00 PM

 Lab ID:
 2302A74-003
 Matrix: GROUNDWA
 Received Date: 2/24/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	730	50	*	mg/L	100 2/24/2023 8:02:43 PM	R94872
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/24/2023 7:50:19 PM	R94872
Nitrogen, Nitrate (As N)	1.5	1.0		mg/L	10 2/24/2023 7:50:19 PM	R94872
Sulfate	460	50	*	mg/L	100 2/24/2023 8:02:43 PM	R94872
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analys	t: DML
Total Dissolved Solids	2790	100	*D	mg/L	1 3/2/2023 8:29:00 AM	73411
SM 4500 NORG C: TKN					Analys	t: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1 3/1/2023 1:23:00 PM	73428

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302A74**

06-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB SampType: MBLK TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: **R94872** RunNo: 94872 Prep Date: Analysis Date: 2/24/2023 SeqNo: 3428752 Units: mg/L PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result 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 TestCode: EPA Method 300.0: Anions SampType: LCS Client ID: LCSW Batch ID: R94872 RunNo: 94872 Prep Date: Analysis Date: 2/24/2023 SeqNo: 3428753 Units: mg/L POI SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Chloride 4.9 0.50 5.000 0 98.0 90 110 0 Nitrogen, Nitrite (As N) 0.99 0.10 1.000 99.4 90 110 Nitrogen, Nitrate (As N) 2.6 0.10 2.500 0 104 90 110 0 98.0 Sulfate 9.8 0.50 10.00 90 110

Sample ID: 2302A74-001AMS SampType: MS TestCode: EPA Method 300.0: Anions Client ID: 833-05 Batch ID: R94872 RunNo: 94872 Prep Date: Analysis Date: 2/24/2023 SeqNo: 3428786 Units: mg/L Analyte PQL SPK value SPK Ref Val %REC %RPD **RPDLimit** Result LowLimit HighLimit Qual Nitrogen, Nitrite (As N) 8.5 1.0 10.00 85.0 81 110

Sample ID: 2302A74-001AMSD SampType: MSD TestCode: EPA Method 300.0: Anions Client ID: 833-05 Batch ID: R94872 RunNo: 94872 Prep Date: Analysis Date: 2/24/2023 SeqNo: 3428787 Units: mg/L %REC **RPDLimit** Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit %RPD Qual Nitrogen, Nitrite (As N) 8.5 1.0 10.00 85.2 81 110 0.317 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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.

WO#: **2302A74**

06-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73411 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73411 RunNo: 94964

Prep Date: 2/28/2023 Analysis Date: 3/2/2023 SeqNo: 3433288 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73411 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73411 RunNo: 94964

Prep Date: 2/28/2023 Analysis Date: 3/2/2023 SeqNo: 3433289 Units: mg/L

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

Total Dissolved Solids 1030 50.0 1000 0 103 80 120

Sample ID: MB-73479 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73479 RunNo: 95040

Prep Date: 3/2/2023 Analysis Date: 3/6/2023 SeqNo: 3436866 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73479 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73479 RunNo: 95040

Prep Date: 3/2/2023 Analysis Date: 3/6/2023 SeqNo: 3436867 Units: mg/L

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

Total Dissolved Solids 1020 50.0 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: 2302A74

06-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-73428 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73428 RunNo: 94950

Prep Date: 2/28/2023 Analysis Date: 3/1/2023 SeqNo: 3432965 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-73428 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73428 RunNo: 94950

Prep Date: 2/28/2023 Analysis Date: 3/1/2023 SeqNo: 3432966 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 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	EA Engineering	Work Order Number	2302/	\74		RcptNo: 1	
Received By:	Sean Livingston	2/24/2023 8:35:00 AM		5		y de	
Completed By:	Desiree Dominguez	2/24/2023 9:12:48 AM		TE	-	ngot-	
Reviewed By:	72/24/23						
Chain of Cus	stody						
1. Is Chain of C	ustody complete?		Yes	✓ No		Not Present	
2. How was the	sample delivered?		<u>FedEx</u>	<u> </u>			
<u>Log In</u> 3. Was an atten	npt made to cool the samples	?	Yes {	✓ No	. 🗆	na 🗆	
4. Were all sam	ples received at a temperature	e of >0° C to 6.0°C	Yes [√ No	D	na 🗆	
5. Sample(s) in	proper container(s)?		Yes [✓ No	□		
6. Sufficient sam	nple volume for indicated test(s)?	Yes 🛭	No			
7. Are samples ((except VOA and ONG) prope	rly preserved?	Yes 🛭	No			
8. Was preserva	tive added to bottles?		Yes [] No	~	NA 🗆	
9. Received at le	east 1 vial with headspace <1/	4" for AQ VOA?	Yes [No		NA 🗹	
10. Were any sar	mple containers received broke	en?	Yes	□ No	V	# of preserved	
	ork match bottle labels? ancies on chain of custody)		Yes 🛭	No		for pH: (<2'dr >12 unless noted)	
12. Are matrices of	correctly identified on Chain of	Custody?	Yes 🖸	No		Adjusted?	
	t analyses were requested?		Yes 🛚	No		100 2011	~
	ng times able to be met? ustomer for authorization.)		Yes 🖢	∠ No		Checked by: KPU 2.24	1
Special Handl	ing (if applicable)						
15. Was client no	otified of all discrepancies with	this order?	Yes [☐ No		NA 🗹	
By Who Regard		Date: Via:] eMail	Phone	Fax	☐ In Person	
16. Additional re	marks:						
17. Cooler Infor		eal Intact Seal No S	eal Date	e Signed	Bv	****	
1		t Present Yogi	cui Dali	Joigned	J,	responsable to the second seco	

	nain-	-or-Cl	istody Record	- Turri-Around	i iiiie.					H	112	FI	NV	TE	20	NI	1E	NT	AI	
Client:				Standard	d □ Rush		HALL ENVIRONMENTAL ANALYSIS LABORATORY													
	ineering, Address		, and Technology	Project Nam Big Sky Dair			www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109													
320 Go	ld Ave S'	W Suite		Project #:	,		1			5-345				•	-345-					
Phone		505-715	-4279	-						040		-			uest			47.13	WS	
	r Fax#:	000 7 10	rmullen@eaest.com	Project Mana	ager:	-		300.			No.	opremius.							27.0	
	Package:		☐ Level 4 (Full Validation)]	Gina Mullen			ethod 3	0				10B							
□ NEL	AC	☐ Az Co ☐ Other	ompliance r	Sampler: On Ice:		era No		EPA M		300			PA 6010B							
	(Type) _ T			# of Coolers: Voca				rites	4500	EPA	EPA 300		ns E	. ≒						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type			Nitrate/Nitrites EPA Method	TKN SM	Chloride EPA 3	5 5		Phosphorus EPA	Total Sulfur						
2-23	11:12	Gw	833-05	2		roo-		X	X,	X)	4 X									
2-23	12:58	Gw	833-09	2		-007		X	X.	ХУ	X				П					
2-23	14-22	Gw	833-10	2		-003		X	X	x X	X				\Box		\Box	\Box		
				-				-	-	+	-	-			\vdash	\dashv	\dashv	\dashv	_	-
	-						-	\dashv	\dashv	_	+	-			\vdash	\dashv	-	\dashv	-	-
								\dashv	+	+	-						\dashv	\dashv	+	_
								1	\top		+					\neg	\dashv	\dashv	_	\top
							\Box			\top					П		\dashv	\dashv		
						il i														
																	\neg			
Date: 2-23 Date:	Time:	Relinquish	lan	Received by:	Via: Via:	Date Time ZIZ4A3 8:35 Date Time	Rem	arks			•	,							I	



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

March 03, 2023

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

RE: Del Oro Dairy OrderNo.: 2302B52

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/28/2023 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 **2302B52**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-04

 Project:
 Del Oro Dairy
 Collection Date: 2/27/2023 11:35:00 AM

 Lab ID:
 2302B52-001
 Matrix: GROUNDWA
 Received Date: 2/28/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	430	50	*	mg/L	100	2/28/2023 3:02:26 PM	R94939
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/28/2023 2:49:34 PM	R94939
Nitrogen, Nitrate (As N)	20	1.0	*	mg/L	10	2/28/2023 2:49:34 PM	R94939
Sulfate	190	5.0		mg/L	10	2/28/2023 2:49:34 PM	R94939
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	1450	50.0	*	mg/L	1	3/3/2023 8:58:00 AM	73445
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/2/2023 1:16:00 PM	73473

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2302B52**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-02

 Project:
 Del Oro Dairy
 Collection Date: 2/27/2023 1:02:00 PM

 Lab ID:
 2302B52-002
 Matrix: GROUNDWA
 Received Date: 2/28/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	410	50	*	mg/L	100	2/28/2023 3:28:11 PM	R94939
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/28/2023 3:15:18 PM	R94939
Nitrogen, Nitrate (As N)	21	1.0	*	mg/L	10	2/28/2023 3:15:18 PM	R94939
Sulfate	190	5.0		mg/L	10	2/28/2023 3:15:18 PM	R94939
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	1430	50.0	*	mg/L	1	3/3/2023 8:58:00 AM	73445
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/2/2023 1:16:00 PM	73473

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2302B52**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-03

 Project:
 Del Oro Dairy
 Collection Date: 2/27/2023 2:08:00 PM

 Lab ID:
 2302B52-003
 Matrix: GROUNDWA
 Received Date: 2/28/2023 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analys	t: CAS			
Chloride	670	50	*	mg/L	100	2/28/2023 4:17:09 PM	R94939			
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/28/2023 4:04:18 PM	R94939			
Nitrogen, Nitrate (As N)	74	10	*	mg/L	100	2/28/2023 4:17:09 PM	R94939			
Sulfate	420	5.0	*	mg/L	10	2/28/2023 4:04:18 PM	R94939			
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: DML			
Total Dissolved Solids	2520	100	*D	mg/L	1	3/3/2023 8:58:00 AM	73445			
SM 4500 NORG C: TKN						Analyst:				
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/2/2023 1:16:00 PM	73473			

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302B52**

03-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: **R94939** RunNo: 94939 Prep Date: Analysis Date: 2/28/2023 SeqNo: 3432296 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	Samp1	Type: Ics		Tes	tCode: EF	PA Method	300.0: Anions	i		
Client ID: LCSW	Batcl	h ID: R9	4939	F	RunNo: 94	1939				
Prep Date:	Analysis [Date: 2/ 2	28/2023	;	SeqNo: 34	432297	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	ef Val %REC LowLimit		HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.8	90	110			
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	97.6	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.9	90	110			
Sulfate	9.6	0.50	10.00	0	95.9	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

8 % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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.

WO#: **2302B52**

03-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73445 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73445 RunNo: 94999

Prep Date: 3/1/2023 Analysis Date: 3/3/2023 SeqNo: 3434767 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73445 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73445 RunNo: 94999

Prep Date: 3/1/2023 Analysis Date: 3/3/2023 SeqNo: 3434768 Units: mg/L

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

Total Dissolved Solids 1030 50.0 1000 0 103 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2302B52**

03-Mar-23

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-73473 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73473 RunNo: 94983

Prep Date: 3/2/2023 Analysis Date: 3/2/2023 SeqNo: 3434149 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-73473 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73473 RunNo: 94983

Prep Date: 3/2/2023 Analysis Date: 3/2/2023 SeqNo: 3434150 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering	Work Order Numb	per: 2302B52		RcptNo: 1
Received By: Joseph Alderette	2/28/2023 8:35:00 A		H	
Completed By: Desiree Dominguez	2/28/2023 8:49:33 <i>F</i>	AM.	THE	
Reviewed By: WP9 2-2	8.23			
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 san	nples?	Yes 🗹	No 🗌	na 🗆
4. Were all samples received at a temper	rature 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?		Yes 🗌	No 🗹	NA \square
9. Received at least 1 vial with headspace	ce <1/4" for AQ VOA?	Yes 🗌	No 🗆	na 🗹
10. Were any sample containers received	l broken?	Yes 🗌	No 🔽	# of preserved
11. Does paperwork match bottle labels? (Note discrepancies on chain of custo	dy)	Yes 🗸	No 🗆	for pH: 3 (2) or >12 unless noted)
12. Are matrices correctly identified on Ch	ain of Custody?	Yes 🗹	No 🗀	Adjusted? NO
13. Is it clear what analyses were request	ed?	Yes 🗹	No 🗌	//
 Were all holding times able to be met (If no, notify customer for authorization) 		Yes 🗹	No 🗌	Checked by: \[\frac{1}{2.2\colored{c}\cdot \cdot \cdo
Special Handling (if applicable)	,			
15. Was client notified of all discrepancie	s with this order?	Yes 🗌	No 🗌	na 🗹
Person Notified: By Whom:	Date:	,	Phone Fax	☐ In Person
Regarding: Client Instructions:				
16. Additional remarks:		•		
17. Cooler Information Cooler No Temp °C Condition 1 4.6 Good	n Seal Intact Seal No Not Present Yogi	Seal Date	Signed By	

C	Chain-of-Custody Record				Time:									= N.I.N.	<i>/</i> TE	20	NI R		ATI		
Client:		_		Standard	□ Rush					_									TOF		
	ineering Address		and Technology	Project Name	e :			www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109													
320 Go	d Ave S	W Suite		Project #:						l. 50				-	-	-345-					
Phone:	# :	505-715-	4279							dige			Ana	lysis	Red	uest					
email o	Fax#:		rmullen@eaest.com	Project Mana	iger:				300												
QA/QC I □ Stan	Package: dard		☐ Level 4 (Full Validation)		Gina Mullen				1ethod) C		٥	}	6010B							
Accredi		□ Az Co □ Other	•	Sampler: Angel N. Rivera On Ice:					EPA N	NOR	8	C MOD	00	EPA 60							
□ EDD	(Type)				cooler Temp(including CF): 4,5 + 0.1 = 4,6°C					A 4500	e EPA	SM 2540	EPA 3	orus E	Jagin Line						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	2302°	- No. B52		Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA	TDS SV	Sulfate EPA 300	Phosphorus	Total Sulfur						
2-27	11:35	Gw	EW-04	2		-00			Х	X	X	X	7								
2-27	13:02	Gw	692-02	2		-00	2		X	X	(X	4)	<								
	14:08		FW-03	2		-00	5.25		X	X.	X.	ν,	K								
												\dashv	+		 		_	+	-	H	
									\vdash	+	_	-		+		\vdash	\dashv	-	+	+-	
						,															
						Ų,												\prod		19	
		 								_			_		-			_			<u> </u>
								\vdash		_						\vdash	\vdash	\dashv	+	-	-
								-			\dashv	_	-	+	-	-	\vdash	_	 	\vdash	_
Date: 2-27	Time: 17:25	Relinquish	ed by:		Via:	Date Z.ZS-Z3	Time 8:35	Ren	nark	<u> </u> s:											
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date	Time														



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

March 03, 2023

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

RE: Sunset Dairy OrderNo.: 2302B07

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/25/2023 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 **2302B07**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 257-01

 Project:
 Sunset Dairy
 Collection Date: 2/24/2023 11:52:00 AM

 Lab ID:
 2302B07-001
 Matrix: AQUEOUS
 Received Date: 2/25/2023 11:33:00 AM

Analyses	Result	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	890	50	*	mg/L	100	2/27/2023 3:53:40 PM	R94901
Sulfate	650	50	*	mg/L	100	2/27/2023 3:53:40 PM	R94901
Nitrate+Nitrite as N	30	1.0	*	mg/L	5	2/27/2023 8:26:40 PM	R94901
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	3460	100	*D	mg/L	1	3/3/2023 8:58:00 AM	73445
SM 4500 NORG C: TKN						Analyst	t: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	3/1/2023 9:27:00 AM	73429

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2302B07**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 257-02

 Project:
 Sunset Dairy
 Collection Date: 2/24/2023 12:48:00 PM

 Lab ID:
 2302B07-002
 Matrix: AQUEOUS
 Received Date: 2/25/2023 11:33:00 AM

Analyses	Result	t RL Qual Units				Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: ЈМТ
Chloride	780	50	*	mg/L	100	2/27/2023 4:18:30 PM	R94901
Sulfate	490	50	*	mg/L	100	2/27/2023 4:18:30 PM	R94901
Nitrate+Nitrite as N	6.7	1.0		mg/L	5	2/27/2023 8:39:05 PM	R94901
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	2860	50.0	*	mg/L	1	3/3/2023 8:58:00 AM	73445
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/1/2023 9:27:00 AM	73429

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order **2302B07**Date Reported: **3/3/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: MW-4

 Project:
 Sunset Dairy
 Collection Date: 2/24/2023 2:56:00 PM

 Lab ID:
 2302B07-003
 Matrix: AQUEOUS
 Received Date: 2/25/2023 11:33:00 AM

Analyses	Result	RL	Qual	Units	DF	Batch	
EPA METHOD 300.0: ANIONS						Analyst	:: ЈМТ
Chloride	1400	50	*	mg/L	100	2/27/2023 5:08:07 PM	R94901
Sulfate	970	50	*	mg/L	100	2/27/2023 5:08:07 PM	R94901
Nitrate+Nitrite as N	1.1	1.0		mg/L	5	2/27/2023 8:51:29 PM	R94901
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	4290	100	*D	mg/L	1	3/3/2023 8:58:00 AM	73445
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/1/2023 9:27:00 AM	73429

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302B07

03-Mar-23

Client: EA Engineering **Project:** Sunset Dairy

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

Client ID: PBW Batch ID: R94901 RunNo: 94901

Prep Date: Analysis Date: 2/27/2023 SeqNo: 3430601 Units: mg/L

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

ND 0.50 Chloride Sulfate ND 0.50 Nitrate+Nitrite as N ND 0.20

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

Client ID: LCSW Batch ID: R94901 RunNo: 94901

Prep Date: Analysis Date: 2/27/2023 SeqNo: 3430602 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 Sulfate 9.7 0.50 10.00 0 96.6 90 110 Nitrate+Nitrite as N 3.5 0.20 3.500 0 98.9 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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Е Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302B07**

03-Mar-23

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-73445 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73445 RunNo: 94999

Prep Date: 3/1/2023 Analysis Date: 3/3/2023 SeqNo: 3434767 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73445 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73445 RunNo: 94999

Prep Date: 3/1/2023 Analysis Date: 3/3/2023 SeqNo: 3434768 Units: mg/L

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

Total Dissolved Solids 1030 50.0 1000 0 103 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2302B07**

03-Mar-23

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-73429 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73429 RunNo: 94934

Prep Date: 2/28/2023 Analysis Date: 3/1/2023 SeqNo: 3432057 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-73429 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73429 RunNo: 94934

Prep Date: 2/28/2023 Analysis Date: 3/1/2023 SeqNo: 3432058 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering	Work Order Num	ber: 2302B07		RcptNo: 1	
Received By: Tracy Casarrubias	2/25/2023 11:33:00	MA C			
Completed By: Tracy Casarrubias	2/25/2023 11:40:49	9 AM			
Reviewed By: DAD 2/27/29	I				
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 samples?		Yes 🗹	No 🗌	na 🗆	
Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗌	No 🗹	NA 🗌	
5. Sample(s) in proper container(s)?		Samples not l Yes ☑	F <u>rozen</u> No ☐		
6. Sufficient sample volume for indicated test(s	s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG) proper	ly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 vial with headspace <1/4	I" for AQ VOA?	Yes 🗌	No 🗆	NA 🗹	
10. Were any sample containers received broke	en?	Yes	No 🗹	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗆	bottles checked for pH:	2 unless noted)
2. Are matrices correctly identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted? Ny	
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: TM	L 2/25/23
Special Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date	: [
By Whom:	Via:	🗌 eMail 📗 Ph	one 🗌 Fax	☐ In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. Cooler Information					
	eal Intact Seal No t Present Yogi	Seal Date	Signed By		

Cł	nain-c	of-Cu	stody Record	Turn-Around				HALL ENVIRONMENTAL ANALYSIS LABORATORY											
Client:				Standard	☐ Rush														
EA Engir Mailing A	neering, s	Science,	and Technology	Project Name Sunset Dairy	:					awkir	ns NI	E - A	vironn Ibuque	erque					
320 Gold		V Suite 505-715-	4279	Project #:					el. 50	5-34	5-39		lysis	-	and a section in the				
Phone # email or QA/QC P □ Stand	Fax#: ackage: dard		rmullen@eaest.com □ Level 4 (Full Validation)	Project Mana	ger: Gina Mullen Angel N. Riv	era		A Method 300	ORG C	0	MOD		4 6010B						
Accredit	AC	□ Az Co □ Other	mpliance	On Ice: # of Coolers:	Yes	□ No U	3.c	Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA 300	SM 2540 C	Sulfate EPA 300	Phosphorus EPA	Sulfur					
			Sample Name	Container Type and #	Preservative Type		No.	Nitrate	100	Chloric	X TDS S	Sulfate	Phosp	Total					
2-24	11:52	Gw	257-01	2		007		X	X	X	X	X							$\perp \downarrow$
	12:48		257-02 MW-4	2		003		>	44	×	×	X					-	_	4-1
2-24	14:56	GW.	70000																
									-	-								1	+
																		<u></u>	
Date: Date: Date:	Time: 17:00	Relinquis	Inc	Received by:	Via: Fott	Date	Time 11:33 5/33 Time							January -	atatod o	the anal	utical repo	ort.	



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

February 23, 2023

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

RE: Dominguez Dairy 2 OrderNo.: 2302694

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/15/2023 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 2302694

Date Reported: 2/23/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-11

 Project:
 Dominguez Dairy 2
 Collection Date: 2/14/2023 11:46:00 AM

 Lab ID:
 2302694-001
 Matrix: GROUNDWA
 Received Date: 2/15/2023 8:50:00 AM

Analyses	Result	ult RL Qual Units				DF Date Analyzed					
EPA METHOD 300.0: ANIONS						Analys	: NAI				
Chloride	350	50	*	mg/L	100	2/15/2023 7:00:11 PM	R94638				
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/15/2023 6:47:20 PM	R94638				
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	2/15/2023 6:47:20 PM	R94638				
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	: DML				
Total Dissolved Solids	1370	50.0	*	mg/L	1	2/22/2023 1:32:00 PM	73257				
SM 4500 NORG C: TKN						Analys	: EKM				
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/21/2023 1:48:00 PM	73260				

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302694

Date Reported: 2/23/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-12

 Project:
 Dominguez Dairy 2
 Collection Date: 2/14/2023 1:15:00 PM

 Lab ID:
 2302694-002
 Matrix: GROUNDWA
 Received Date: 2/15/2023 8:50:00 AM

Analyses	Result	ult RL Qual Unit				Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	260	50	*	mg/L	100	2/15/2023 7:25:55 PM	R94638
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/15/2023 7:13:03 PM	R94638
Nitrogen, Nitrate (As N)	1.8	1.0		mg/L	10	2/15/2023 7:13:03 PM	R94638
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	1080	50.0	*	mg/L	1	2/22/2023 1:32:00 PM	73257
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/21/2023 1:48:00 PM	73260

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
 P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302694

Date Reported: 2/23/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-10

 Project:
 Dominguez Dairy 2
 Collection Date: 2/14/2023 3:45:00 PM

 Lab ID:
 2302694-003
 Matrix: GROUNDWA
 Received Date: 2/15/2023 8:50:00 AM

Analyses	Result	esult RL Qual Units				DF Date Analyzed					
EPA METHOD 300.0: ANIONS						Analyst	: NAI				
Chloride	420	50	*	mg/L	100	2/15/2023 7:51:37 PM	R94638				
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/15/2023 7:38:46 PM	R94638				
Nitrogen, Nitrate (As N)	6.3	1.0		mg/L	10	2/15/2023 7:38:46 PM	R94638				
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML				
Total Dissolved Solids	1610	50.0	*	mg/L	1	2/22/2023 1:32:00 PM	73257				
SM 4500 NORG C: TKN						Analyst	: EKM				
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/21/2023 1:48:00 PM	73260				

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302694

23-Feb-23

Client: EA Engineering Alb **Project:** Dominguez Dairy 2

Sample ID: MB	Samp1	SampType: mblk TestCode: EPA Method 300.0: Anions									
Client ID: PBW	Batch	n ID: R9	4638	F	RunNo: 94	4638					
Prep Date:	Analysis Date: 2/15/2023 SeqNo: 3421401 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: Ics		Tes	300.0: Anions					
Client ID: LCSW	Batch	n ID: R9	4638	F	RunNo: 94	1638				
Prep Date:	Analysis D	oate: 2/	15/2023	9	SeqNo: 34	121403	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	95.6	90	110			
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	97.8	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	101	90	110			

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit RL

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302694**

23-Feb-23

Client: EA Engineering Alb
Project: Dominguez Dairy 2

Sample ID: MB-73257 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73257 RunNo: 94791

Prep Date: 2/20/2023 Analysis Date: 2/22/2023 SeqNo: 3426338 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73257 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73257 RunNo: 94791

Prep Date: 2/20/2023 Analysis Date: 2/22/2023 SeqNo: 3426339 Units: mg/L

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

Total Dissolved Solids 1010 50.0 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2302694**

23-Feb-23

Client: EA Engineering Alb
Project: Dominguez Dairy 2

Sample ID: MB-73260 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73260 RunNo: 94761

Prep Date: 2/20/2023 Analysis Date: 2/21/2023 SeqNo: 3425310 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-73260 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73260 RunNo: 94761

Prep Date: 2/20/2023 Analysis Date: 2/21/2023 SeqNo: 3425311 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: 2302694-001AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: 42-11 Batch ID: 73260 RunNo: 94761

Prep Date: 2/20/2023 Analysis Date: 2/21/2023 SeqNo: 3425316 Units: mg/L

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

 Analyte
 Result
 FQL
 SFK Value
 SFK Kel Val
 /oREC
 Lowellinit
 Inight linit
 /oRFD
 REDLINIT
 Quality

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

Sample ID: 2302694-001AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: 42-11 Batch ID: 73260 RunNo: 94761

Prep Date: 2/20/2023 Analysis Date: 2/21/2023 SeqNo: 3425317 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 0 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: 2302694 RcptNo: 1 Received By: Kasandra Jimena Garcia 2/15/2023 8:50:00 AM Completed By: **Desiree Dominguez** 2/15/2023 12:55:46 PM Reviewed By: Su 2/15/23 Chain of Custody No 🗌 Not Present Yes 🗸 1. Is Chain of Custody complete? 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 🗌 No \square Sample(s) in proper container(s)? Yes 🗸 No 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? Yes 🗌 No 🗹 NA 🗌 8. Was preservative added to bottles? No 🗌 NA 🗸 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 Yes 🗌 No 🔽 10. Were any sample containers received broken? # of preserved # of presental 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? N∂ 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗀 Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Checked by: 14. Were all holding times able to be met? Yes 🗹 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 NA 🗹 15. Was client notified of all discrepancies with this order? No 🗔 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 0.9 Good Not Present Yogi

Cr	iain.	-01-Cl	istody Record	Turn-Around	rime:				14.7	13/5			5 12								
Client:				Standard	l ⊟ Rush	1				2						IRC					
EA Engin Mailing A	eering	, Science	, and Technology	Project Nam					(ental.				JK	T
				Dominguez [Dairy 2				49	01 H	awk	ins N	NE -	Albu	quer	que, l	VM 87	7109			
320 Gold	Ave S	W Suite		Project #:					Te	el. 50	5-34	45-39	975	Fa	x 50	05-34	5-410	7			
Phone #:		505-715	-4279			1.						7	Ar	nalys	is R	eques	st			Sec.	16/16
email or F	ax#:		rmullen@eaest.com	Project Mana	ager:				300.						T	T	T			T	
QA/QC Pa ☐ Standa	-		☐ Level 4 (Full Validation)		Gina Mullen				thod 3	၂			1	و	2						
Accreditat	tion:	☐ Az Co	ompliance	Sampler: On Ice:	Angel N. Rive	era			EPA Me	NORG	300	СМОБ	0		'A 6010B						
□ EDD (Туре) _			# of Coolers:			Hal		es	8	¥3	2540	300	[FFA				- 1		
Date T	ïme	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type	-0.2= HEA 23021	L No.		Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA	TDS SM 25	Sulfate EPA		Prosphorus	lotal Sulfur					
		Gw	42-11	2		~ 0(X	X	X	X	0)		+	-			\dashv	_	-
	3:15		42-12	2		-00	·····		X	X		火		+	+	+	\vdash		-	_	-
27.675	5:45		4270	2		- 001		-	-	X			_	_	+	+	H	_	\dashv		-
										-	~	$\overline{}$	_	_	+	-	\vdash	\dashv	\dashv		+
											\neg			+	+			\dashv	\dashv	+	
											\dashv				+	+				\dashv	
								\Box			\neg				+	\top	\vdash		_	+	
												\neg			\top			\dashv		+	_
						Y									\top			\exists		\top	\top
																			\neg		
													\neg								
1	7.30	Relinquishe	m	Received by:	Via: -eulex 2-1	Date 5-23	Time S:50	Rem	narks	3;					-				•	***************************************	·
Date: Tir	me:	Relinquishe	ed by:	Regeived by:	Via:	Date	Time														



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

March 01, 2023

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

RE: Dominguez Dairy 1 OrderNo.: 2302790

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/17/2023 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 2302790

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 624-09

Project: Dominguez Dairy 1 Collection Date: 2/16/2023 10:12:00 AM 2302790-001 Lab ID: Matrix: GROUNDWA Received Date: 2/17/2023 8:30:00 AM

Analyses	Result	RL (Qual Un	its D	F	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	t: JTT
Chloride	180	50	mg	/L ·	100	2/17/2023 7:52:16 PM	R94701
Nitrogen, Nitrite (As N)	ND	1.0	mg	L ·	10	2/17/2023 7:39:49 PM	R94701
Nitrogen, Nitrate (As N)	ND	1.0	mg	/L ·	10	2/17/2023 7:39:49 PM	R94701
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	t: DML
Total Dissolved Solids	1050	250	*D mg	L ·	1	2/27/2023 8:41:00 AM	73306
SM 4500 NORG C: TKN						Analyst	t: EKM
Nitrogen, Kjeldahl, Total	ND	1.0	mg	/L ·	1	2/22/2023 9:22:00 AM	73286

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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Lab Order **2302790**

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 624-10

 Project:
 Dominguez Dairy 1
 Collection Date: 2/16/2023 12:30:00 PM

 Lab ID:
 2302790-002
 Matrix: GROUNDWA
 Received Date: 2/17/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JTT
Chloride	550	50	*	mg/L	100	2/17/2023 8:17:09 PM	R94701
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/17/2023 8:04:42 PM	R94701
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	2/17/2023 8:04:42 PM	R94701
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	: DML
Total Dissolved Solids	2860	50.0	*	mg/L	1	2/27/2023 8:41:00 AM	73306
SM 4500 NORG C: TKN						Analys	t: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/22/2023 9:22:00 AM	73286

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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302790

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 624-01

 Project:
 Dominguez Dairy 1
 Collection Date: 2/16/2023 2:17:00 PM

 Lab ID:
 2302790-003
 Matrix: GROUNDWA
 Received Date: 2/17/2023 8:30:00 AM

Analyses	Result RL Qual Units					DF Date Analyzed						
EPA METHOD 300.0: ANIONS						Analyst	:: JTT					
Chloride	860	50	*	mg/L	100	2/17/2023 8:42:02 PM	R94701					
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/17/2023 8:29:35 PM	R94701					
Nitrogen, Nitrate (As N)	13	1.0	*	mg/L	10	2/17/2023 8:29:35 PM	R94701					
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML					
Total Dissolved Solids	2770	50.0	*	mg/L	1	2/27/2023 8:41:00 AM	73306					
SM 4500 NORG C: TKN						Analyst	: EKM					
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	2/22/2023 9:22:00 AM	73286					

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302790

Date Reported: 3/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 624-02

 Project:
 Dominguez Dairy 1
 Collection Date: 2/16/2023 3:40:00 PM

 Lab ID:
 2302790-004
 Matrix: GROUNDWA
 Received Date: 2/17/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF 1	Batch	
EPA METHOD 300.0: ANIONS						Analyst	:: JTT
Chloride	640	50	*	mg/L	100	2/17/2023 9:06:55 PM	R94701
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/17/2023 8:54:29 PM	R94701
Nitrogen, Nitrate (As N)	9.2	1.0		mg/L	10	2/17/2023 8:54:29 PM	R94701
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	2720	50.0	*	mg/L	1	2/27/2023 8:41:00 AM	73306
SM 4500 NORG C: TKN						Analyst	: EKM
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/22/2023 9:22:00 AM	73286

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302790**

01-Mar-23

Client: EA Engineering Alb
Project: Dominguez Dairy 1

Sample ID: MB SampType: MBLK TestCode: EPA Method 300.0: Anions
Client ID: PBW Batch ID: R94701 RunNo: 94701

Prep Date: Analysis Date: 2/17/2023 SeqNo: 3423342 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Chloride ND 0.50

 Critionide
 ND
 0.50

 Nitrogen, Nitrite (As N)
 ND
 0.10

 Nitrogen, Nitrate (As N)
 ND
 0.10

Sample ID: LCS SampType: LCS TestCode: EPA Method 300.0: Anions Client ID: LCSW Batch ID: **R94701** RunNo: 94701 Prep Date: Analysis Date: 2/17/2023 SeqNo: 3423343 Units: mg/L SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL SPK value LowLimit HighLimit Qual Chloride 4.8 0.50 5.000 0 95.9 90 110

Nitrogen, Nitrite (As N) 0.97 0.10 1.000 0 97.1 90 110 Nitrogen, Nitrate (As N) 0 2.5 0.10 2.500 102 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302790**

01-Mar-23

Client: EA Engineering Alb
Project: Dominguez Dairy 1

Sample ID: MB-73306 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73306 RunNo: 94878

Prep Date: 2/22/2023 Analysis Date: 2/27/2023 SeqNo: 3429118 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73306 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73306 RunNo: 94878

Prep Date: 2/22/2023 Analysis Date: 2/27/2023 SeqNo: 3429119 Units: mg/L

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

Total Dissolved Solids 1010 50.0 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2302790**

01-Mar-23

Client: EA Engineering Alb
Project: Dominguez Dairy 1

Sample ID: MB-73286 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: **PBW** Batch ID: **73286** RunNo: **94775**

Prep Date: 2/21/2023 Analysis Date: 2/22/2023 SeqNo: 3425983 Units: mq/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-73286 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73286 RunNo: 94775

Prep Date: 2/21/2023 Analysis Date: 2/22/2023 SeqNo: 3425984 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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

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

Sample Log-In Check List

Client Name: EA En	gineering	Work Order Numl	per: 2302790		RcptNo: 1	
Received By: Tracy	Casarrubias	2/17/2023 8:30:00	ΑM			
Completed By: Tracy	Casarrubias	2/17/2023 10:06:55	AM			
Reviewed By: TM	٤	2/12/23				
Chain of Custody						
1. Is Chain of Custody o	omplete?		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 sam	ples?	Yes 🗹	No 🗌	NA 🗆	
4. Were all samples rece	eived at a temper	ature of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in proper c	ontainer(s)?		Yes 🗸	No 🗌		
6. Sufficient sample volu	me for indicated	test(s)?	Yes 🗹	No 🗆		
7. Are samples (except \	OA and ONG) p	roperly preserved?	Yes 🗹	No 🗌		
8. Was preservative add	ed to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 via	l with headspace	e <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
0. Were any sample con	tainers received	broken?	Yes 🗌	No 🗸	# of preserved	
1. Does paperwork matc (Note discrepancies o		v)	Yes 🗹	No 🗆	bottles checked for pH:	unless noted)
2. Are matrices correctly			Yes 🗹	No 🗌	Adjusted? ///	<u> </u>
3. Is it clear what analyse			Yes 🗹	No 🗌	•	
4. Were all holding times (If no, notify customer	able to be met?		Yes 🗹	No 🗆	Checked by: JV	2/17/
pecial Handling (if		,				
15. Was client notified of	all discrepancies	with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified		Date:				
By Whom:		Via:	eMail P	hone Fax	☐ In Person	
Regarding: Client Instructio	ns:					
16. Additional remarks:	*	A				
17. Cooler Information	o 9C Condition	Continue Continu	Coal Data	Cinnad D.		
Cooler No Tem	o °C Condition Good	Seal Intact Seal No Not Present Morty	Seal Date	Signed By		

Chain-or-custody Record			Turn-Around Time:					HALL ENVIRONMENTAL												L	
Client:	-			Standard		1					-								LAT		
	ineering, Address:		and Technology	Project Name Dominguez D					490)1 H			v.halle IE -						09		
320 Gol	d Ave S\	N Suite		Project #:					Te	l. 50	5-34	5-39	_	-	-		45-4	107			
Phone #	# :	505-715-	4279					13/3					An	alys	S K	equ	est				
email oı	Fax#:		rmullen@eaest.com	Project Mana	-				300.				9 90								
QA/QC F □ Stan	Package: dard		☐ Level 4 (Full Validation)		Gina Mullen				Method	30	į	٥		1	6010B						
	tation:	☐ Az Co☐ Other	mpliance	Sampler: Angel N. Rivera On Ice: Yes □ No					EPA	4500 NORG	300	2540 C MOD	EPA 300		EPA 60						
	(Type)_			# of Coolers:					tes	잃	Αl	546	A 3	- 1 '	ر م ا	_					
Date	Time	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type		AL No.		Nitrate/Nitrites	TKN SM 4	Chloride EPA	TDS SM 2	Sulfate EP		Phosphorus	Total Sulfur					
2-16	10:12	Gw	624-09	2		001			×	×	X	χ			\perp				_		
	12:30	Gw	624-10	2		002			×	X	X	X				_		_			
	14:17		624-01	2		003			X	×	火	X			_			_		1	
	15:40		624-02	2		004		-	X	X	X	X		-	+	-	\dashv	+	_	-	
																	_			+	
								-	_	_			\vdash	_	\dashv	_	\dashv	+	-	+-	++
					5			-	_						\dashv	_	+	+	+	+	
								+	_	-	\vdash			\dashv	\dashv	\dashv		\neg	_	+	
								+							\neg	\dashv		\neg			
Date: 2-16 Date:	Time: 17:40 Time:	Relinquish Relinquish	lnn	Received by:	Via: Fed 5	2/1 1/	23 8:30	Ren	mark	s:											



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

February 22, 2023

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

RE: Dominguez Dairy 2 OrderNo.: 2302586

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/14/2023 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 2302586

Date Reported: 2/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-02

 Project:
 Dominguez Dairy 2
 Collection Date: 2/13/2023 12:40:00 PM

 Lab ID:
 2302586-001
 Matrix: GROUNDWA
 Received Date: 2/14/2023 8:53:00 AM

Analyses	Result	RL	RL Qual Units			DF Date Analyzed					
EPA METHOD 300.0: ANIONS						Analys	: CAS				
Chloride	550	50	*	mg/L	100	2/14/2023 1:33:32 PM	R94605				
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/14/2023 12:56:19 PM	R94605				
Nitrogen, Nitrate (As N)	9.2	1.0		mg/L	10	2/14/2023 12:56:19 PM	R94605				
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	: DML				
Total Dissolved Solids	2830	20.0	*	mg/L	1	2/20/2023 4:10:00 PM	73233				
SM 4500 NORG C: TKN						Analys	: EKM				
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/16/2023 1:23:00 PM	73216				

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

Page 1 of 5

Lab Order 2302586

Date Reported: 2/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-08

Collection Date: 2/13/2023 3:51:00 PM **Project:** Dominguez Dairy 2 2302586-002 Lab ID: Matrix: GROUNDWA Received Date: 2/14/2023 8:53:00 AM

Analyses	Result	RL	Qual	Units	DF	Batch	
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	280	50	*	mg/L	100	2/14/2023 1:58:21 PM	R94605
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/14/2023 1:45:56 PM	R94605
Nitrogen, Nitrate (As N)	22	1.0	*	mg/L	10	2/14/2023 1:45:56 PM	R94605
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	DML
Total Dissolved Solids	1860	20.0	*	mg/L	1	2/20/2023 4:10:00 PM	73233
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/16/2023 1:23:00 PM	73216

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302586**

22-Feb-23

	EA Engineering Alb Dominguez Dairy 2	•								
Sample ID: MB	SampT	ype: mb	olk	Tes	tCode: El	PA Method	300.0: Anions	<u> </u>		
Client ID: PBW	Batch	ID: R9	4605	F	RunNo: 9	4605				
Prep Date:	Analysis D	ate: 2/	14/2023	S	SeqNo: 3	419852	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: Ics	3	Tes	tCode: El	PA Method	300.0: Anions	S		
Client ID: LCSW	Batch	ID: R9	4605	F	RunNo: 9	4605				
Prep Date:	Analysis D	ate: 2/	14/2023	Ş	SeqNo: 3	419853	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.9	0.50	5.000	0	97.5	90	110			
Nitrogen, Nitrite (As N)	1.0	0.10	1.000	0	100	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	103	90	110			
Sample ID: 2302586	-001AMS SampT	ype: ms	<u> </u>	Tes	tCode: El	PA Method	300.0: Anions	S		
Client ID: 42-02	Batch	ID: R9	4605	F	RunNo: 9	4605				
Prep Date:	Analysis D	ate: 2/	14/2023	S	SeqNo: 3	419855	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	93.7	81	110			
Nitrogen, Nitrate (As N)	34	1.0	25.00	9.173	101	87.7	111			
Sample ID: 2302586	-001AMSD SampT	ype: ms	sd	Tes	tCode: El	PA Method	300.0: Anions	s		
Client ID: 42-02	Batch	ID: R9	4605	F	RunNo: 9	4605				
Prep Date:	Analysis D	ate: 2/	14/2023	5	SeqNo: 3	419856	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	81	110	0.574	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 standard limits. If undiluted results may be estimated.

34

1.0

25.00

9.173

B Analyte detected in the associated Method Blank

101

87.7

111

0.340

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

20

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302586**

22-Feb-23

Client: EA Engineering Alb
Project: Dominguez Dairy 2

Sample ID: MB-73233 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73233 RunNo: 94732

Prep Date: 2/17/2023 Analysis Date: 2/20/2023 SeqNo: 3424195 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-73233 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73233 RunNo: 94732

Prep Date: 2/17/2023 Analysis Date: 2/20/2023 SeqNo: 3424196 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: 2302586-001ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 42-02 Batch ID: 73233 RunNo: 94732

Prep Date: 2/17/2023 Analysis Date: 2/20/2023 SeqNo: 3424208 Units: mg/L

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

Total Dissolved Solids 2840 20.0 0.529 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302586**

22-Feb-23

Client: EA Engineering Alb Project: Dominguez Dairy 2

Sample ID: MB-73216 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73216 RunNo: 94655

Prep Date: 2/16/2023 Analysis Date: 2/16/2023 SeqNo: 3421941 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-73216 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73216 RunNo: 94655

Prep Date: 2/16/2023 Analysis Date: 2/16/2023 SeqNo: 3421942 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering	Work Order	Number: 2302586		RcptNo:	1
Received By: Tracy Casarrubia	s 2/14/2023 8:5	3:00 AM			
Completed By: Tracy Casarrubia	s 2/14/2023 10:	00:30 AM			
Reviewed By: Jn 2/14	123				
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 ter	mperature 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	ated test(s)?	Yes 🗹	No 🗆		
7. Are samples (except VOA and ON	G) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles	?	Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 vial with heads	pace <1/4" for AQ VOA?	Yes 🗌	No 🗌	na 🗹	
10. Were any sample containers rece	ived broken?	Yes	No 🗹	# of preserved	<u> </u>
11.Does paperwork match bottle labe	ls?	Yes 🗹	No 🗌	bottles checked for pH:	
(Note discrepancies on chain of cu		100 ==		(2) dr >	12 unless noted)
2. Are matrices correctly identified on	Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	40
3. Is it clear what analyses were requ	ested?	Yes 🗸	No 🗌	1/6	V. 2112
 Were all holding times able to be r (If no, notify customer for authorized) 		Yes 🗹	No 🗌	Checked by:	6 2.14.2
Special Handling (if applicabl					
15. Was client notified of all discrepar		Yes 🗌	No 🗌	NA 🗹	
Person Notified:		Date:			
By Whom:		Via: eMail [] Phone [Fax	☐ In Person	
Regarding:				-	
Client Instructions:				Authoritis des puis tra district de la facilité de	
16. Additional remarks:			-		
17. Cooler Information					
Cooler No Temp °C Cond	lition Seal Intact Seal	No Seal Date	Signed By		
1 1.3 Good	Yes Yogi				

Oliaili-ol-oustody Record			Turn-Around Time:				HALL ENVIRONMENTAL															
Client:				☑ Standard	□ Rush			_ _												TC		
	ineering, Address		and Technology	Project Name			·					wwv	v.halle	enviro	onm	nenta	al.co	m				
viaiiirig	Address	,		Dominguez D	Dairy 2			_	49	01 H	awk	ins N	ΙE -	Albu	que	rque	a, NN	/1 87	109			
320 Go	ld Ave S	W Suite		Project #:					Τe	el. 50	5-34	15-39	- 20	5200	150	A D S S S S	345-4	4107	,		*****	
hone	#:	505-715-	-4279						N. S.				Ar	nalys	is F	Requ	lest				. to (t)	
email o	r Fax#:		rmullen@eaest.com	Project Mana	ıger:				300													
	Package:				Gina Mullen				힐	O					_							
□ Star	dard		☐ Level 4 (Full Validation)					_	let			힞		;	린							
			mpliance					_	EPA Method	NORG	၂ ၉	MOD:			A 60							
□ NEL		□ Other		On Ice:		□ No	yogi			2	8	2540 C	08		읪							
	(Type) _			# of Coolers: \ Cooler Temp(including CF): \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					l iš l	4500		54	χ		SZ	≒						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative	HE	AL No.		Nitrate/Nitrites	TKN SM 4	Chloride EPA 300	TDS SM 2	Sulfate EPA 300		Phosphorus EPA 6010B	Total Sulfur						
2-13		6W		2	''	001	2000		X		×	6972		_							_	
	111		42-08	2				+-	X		X			\dashv	\dashv		\dashv	_		+	\dashv	+
2113	15:51	an	1200	-	-	002		+	\sim	_	_	X_	\dashv	-	-	-	\dashv	+	-	-	-	\dashv
								-			_		\dashv	_	_		\rightarrow	_		\dashv	-	_
	V													_	\dashv				_	_	+	+
				-									\vdash	_	_	_	\dashv	_	_	_	_	
		<u></u>					•		_					_	4			_	_	\dashv	4	
	e							_	_					_	_		\dashv	_	_	\dashv	\dashv	
								_						_	_	_		\dashv	_	\dashv	\perp	4
								_	_				\Box		_		_	_	_		4	
															_	_	_		_			
								_ _														
Date:	Time:	Relinquish	ed by:	Received by:	Via: Featx	Date		Rei	mark	s:												
2-13	1730	Em	em/		react	a114	hi 8:57															
		Received by:	Via:	Date	Time		-	- Management of the Control of the C														
	1	.l																				



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

February 20, 2023

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

RE: Dominguez Dairy 2 OrderNo.: 2302532

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/11/2023 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 2302532

Date Reported: 2/20/2023

2/16/2023 1:23:00 PM 73216

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-03

Project: Dominguez Dairy 2 Collection Date: 2/10/2023 11:28:00 AM Lab ID: 2302532-001 Matrix: AQUEOUS Received Date: 2/11/2023 9:00:00 AM

ND

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 1000 50 mg/L 100 2/14/2023 10:52:31 AM R94607 Nitrate+Nitrite as N 31 1.0 mg/L 2/14/2023 9:40:07 PM R94607 **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: DML **Total Dissolved Solids** 3230 20.0 2/17/2023 9:04:00 AM 73194 mg/L SM 4500 NORG C: TKN Analyst: EKM

5.0

D

mg/L

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

Qualifiers:

Nitrogen, Kjeldahl, Total

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits P Sample pH Not In Range
- Reporting Limit

Lab Order 2302532

Date Reported: 2/20/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-13

 Project:
 Dominguez Dairy 2
 Collection Date: 2/10/2023 1:35:00 PM

 Lab ID:
 2302532-002
 Matrix: AQUEOUS
 Received Date: 2/11/2023 9:00:00 AM

Analyses Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 1000 50 mg/L 100 2/14/2023 11:18:14 AM R94607 Nitrate+Nitrite as N 15 1.0 mg/L 2/14/2023 9:52:58 PM R94607 **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: DML **Total Dissolved Solids** 3250 20.0 2/17/2023 9:04:00 AM 73194 mg/L SM 4500 NORG C: TKN Analyst: EKM Nitrogen, Kjeldahl, Total ND 2.0 D mg/L 2/16/2023 1:23:00 PM 73216

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302532

Date Reported: 2/20/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 42-06

Collection Date: 2/10/2023 3:47:00 PM **Project:** Dominguez Dairy 2 2302532-003 Matrix: AQUEOUS Lab ID: Received Date: 2/11/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	JMT
Chloride	390	50	*	mg/L	100	2/14/2023 12:01:14 PM	R94607
Nitrate+Nitrite as N	120	4.0	*	mg/L	20	2/15/2023 8:04:28 PM	R94638
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	DML
Total Dissolved Solids	2530	20.0	*	mg/L	1	2/17/2023 9:04:00 AM	73194
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/16/2023 1:23:00 PM	73216

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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

Result

3.5

0.20

3.500

WO#: **2302532**

20-Feb-23

Client:	EA Engineering Alb								
Project:	Dominguez Dairy 2								
Sample ID: MB	SampType:	mblk	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: PBW	Batch ID:	R94607	F	RunNo: 94	4607				
Prep Date:	Analysis Date:	2/14/2023	5	SeqNo: 3	419927	Units: mg/L			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride Nitrate+Nitrite as N	ND 0.5 ND 0.2	_							
Sample ID: LCS	SampType:	lcs	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: LCSW	nt ID: LCSW Batch ID: R94607 RunNo: 94607								
Prep Date:	Date: Analysis Date: 2/14/2023 SeqNo: 3419928								
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7 0.5	5.000	0	93.4	90	110			
Nitrate+Nitrite as N	3.4 0.2	20 3.500	0	98.2	90	110			
Sample ID: MB	SampType:	mblk	Tes	tCode: El	PA Method	300.0: Anions	;		
Client ID: PBW	Batch ID:	R94638	F	RunNo: 9	4638				
Prep Date:	Analysis Date:	2/15/2023	5	SeqNo: 3	421401	Units: mg/L			
Analyte Nitrate+Nitrite as N	Result PQ ND 0.2		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LCS	SampType:					300.0: Anions	•		
Client ID: LCSW	Batch ID:	R94638	F	RunNo: 94	4638				
Prep Date:	Analysis Date:	2/15/2023	8	SeqNo: 3	421403	Units: mg/L			

SPK value SPK Ref Val %REC LowLimit

100

0

HighLimit

110

%RPD

RPDLimit

Qual

Qualifiers:

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302532**

20-Feb-23

Client: EA Engineering Alb Project: Dominguez Dairy 2

Sample ID: MB-73194 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73194 RunNo: 94690

Prep Date: 2/15/2023 Analysis Date: 2/17/2023 SegNo: 3423174 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-73194 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73194 RunNo: 94690

Prep Date: 2/15/2023 Analysis Date: 2/17/2023 SeqNo: 3423175 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: 2302532-001ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 42-03 Batch ID: 73194 RunNo: 94690

Prep Date: 2/15/2023 Analysis Date: 2/17/2023 SeqNo: 3423183 Units: mg/L

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

Total Dissolved Solids 3220 20.0 0.155 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: **2302532**

20-Feb-23

Client: EA Engineering Alb Project: Dominguez Dairy 2

Sample ID: MB-73216 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73216 RunNo: 94655

Prep Date: 2/16/2023 Analysis Date: 2/16/2023 SeqNo: 3421941 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-73216 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73216 RunNo: 94655

Prep Date: 2/16/2023 Analysis Date: 2/16/2023 SeqNo: 3421942 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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 Albuaueraue. NM 87109

Sample Log-In Check List

Client Name: EA Engineering Work	Order Number:	2302532	2		RcptNo: 1	
Received By: Tracy Casarrubias 2/11/202	23 9:00:00 AM					
Completed By: Tracy Casarrubias 2/11/202	23 9:24:07 AM					
Reviewed By: In 2/13/23						
Chain of Custody						
1. Is Chain of Custody complete?		Yes 🗹	0.0	No 🗌	Not Present	
2. How was the sample delivered?		FedEx W	UPS 414/23			
Log In 3. Was an attempt made to cool the samples?		Yes 🗹		No 🗆	NA 🗌	
o. Was an altempt made to coor the samples?		162 🖭		NO	INA L	
4. Were all samples received at a temperature of >0° C to	o 6.0°C	Yes 🗹		No 🗌	na 🗆	
5. Sample(s) in proper container(s)?		Yes 🗹		No 🗆		
3. Sufficient sample volume for indicated test(s)?		Yes 🗹	i	No 🗆		
7_{\cdot} Are samples (except VOA and ONG) properly preserve	d?	Yes 🔽		No 🗌	_	
3. Was preservative added to bottles?		Yes	ł	Vo ✓	NA 🗆	
9. Received at least 1 vial with headspace <1/4" for AQ V	OA?	Yes 🔲	ı	No 🗆	NA 🗹	
0. Were any sample containers received broken?		Yes		No 🗹	# of preserved	
Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 💘	W413	No 🗹	bottles checked for pH: ((2)or >12 unless note	ed)
2. Are matrices correctly identified on Chain of Custody?		Yes 🗹	i	No 🗌	Adjusted? NØ	
3. Is it clear what analyses were requested?		Yes 🗹	j	No 🗌		
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	ı	No 🗆	Checked by: TMC 2/11/2	23
pecial Handling (if applicable)						
15. Was client notified of all discrepancies with this order?		Yes 🗌		No 🗌	NA 🗹	
Person Notified:	Date:			-		
By Whom:	Via:	eMail	Phone	☐ Fa	x In Person	
Regarding:				-		
Client Instructions: The Client Instruction Instructio				0-0		

Seal Date

Signed By

17. Cooler Information Cooler No

1.7

Temp °C Condition Seal Intact Seal No

Not Present Morty

Good

Client:	hain-	of-Cu	stody Record	Turn-Around									EN\							_
Jilent.				Standard		1				A	N	ALI	SI	S L	AB	OF	RA'	ГО	RY	
	ineering, Address:		and Technology	Project Name Dominguez D				4	1901				nviron Albuqu				09			
320 Gol	d Ave S\	V Suite		Project #:				(89 D 1075).	Tel. 5	05-34	15-39			Commence of the Commence of th	-345-			9/06/50	6-19	
hone #	<u> </u>	505-715-	-4279					THE R		NEST!		An	alysis	Req	uest	NEIS S		dibasis a		
email or	Fax#:		rmullen@eaest.com	Project Mana	ager:														1	
QA/QC F ⊒ Stan	Package: dard		□ Level 4 (Full Validation)		Gina Mullen	1			Tethod 3 C		٥		6010B							
Accredi		☐ Az Co☐ Other	mpliance	Sampler: On Ice:	Angel N. Rive	□ No	morrhy		e/Nitrites EPA Me SM 4500 NORG	300	C MO	8	EPA 60							
	(Type)			# of Coolers:	1			.	20 tes	l ₹	24	A 3	S	_						
-	9000 0000		Sample Name	Container Type and #	Preservative Type		No.	1	Nitrat T N	망	▼ TDS SM 2540 C MOD	Sulfate EPA 300	Phosphorus	Total Sulfur						
2-10	1128	Gu	42-03	2		001		2	14	×	X	_		-	-	-	\rightarrow		+	
2-10	13:35	Gw	42-13	2		002		2	XX	X	X			<u> </u>		_			_	4
	15:47		42-06	2		003		_ 2	47	<u> </u>	Х		_	-		_		_	_	+
				ļ					+	-			\dashv	-		-	-		-	+
									-	+		\dashv	+		\vdash	\dashv	+		+	+
								\vdash		+		-		+	\vdash	-	_	_	+	+
														 	\vdash	\dashv	\dashv		1	\top
										1						\neg	\dashv	\top		
						Ž,														
										\perp							_	_		_
Date: 2 -10	Time: 17:15	Relinquist	oned by:	Received by:	Via: Ups) Date 2/11/2	Time 3 9:00	Rema	arks:											
Date: Time: Relinquished by:			Received by:	Via:	Date	Time														
								L												



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

February 15, 2023

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

RE: Mountain View Dairy LLC OrderNo.: 2302512

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/10/2023 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 2302512

Date Reported: 2/15/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70-03

Project:Mountain View Dairy LLCCollection Date: 2/9/2023 10:06:00 AMLab ID:2302512-001Matrix: GROUNDWAReceived Date: 2/10/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed B	Batch
EPA METHOD 300.0: ANIONS					Analyst: J	JTT
Chloride	1800	50	*	mg/L	100 2/10/2023 8:02:19 PM R	R94552
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/10/2023 7:49:59 PM R	R94552
Nitrogen, Nitrate (As N)	39	1.0	*	mg/L	10 2/10/2023 7:49:59 PM R	R94552
Sulfate	930	50	*	mg/L	100 2/10/2023 8:02:19 PM R	R94552
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: D	OML
Total Dissolved Solids	4140	100	*D	mg/L	1 2/14/2023 1:15:00 PM 7	73158
SM 4500 NORG C: TKN					Analyst: E	ΞKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 2/14/2023 8:16:00 AM 7	73153

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit
- enorting Limit Page 1 of 7

Lab Order 2302512

Date Reported: 2/15/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70-01

Project: Mountain View Dairy LLC Collection Date: 2/9/2023 11:45:00 AM Lab ID: 2302512-002 Matrix: GROUNDWA **Received Date: 2/10/2023 8:45:00 AM**

Analyses	Result	RL	Qual	Units	DF Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS					Analyst: JT T	Т
Chloride	720	50	*	mg/L	100 2/10/2023 8:27:00 PM R94	4552
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/10/2023 8:14:39 PM R94	4552
Nitrogen, Nitrate (As N)	17	1.0	*	mg/L	10 2/10/2023 8:14:39 PM R94	4552
Sulfate	780	50	*	mg/L	100 2/10/2023 8:27:00 PM R94	4552
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: DM	/IL
Total Dissolved Solids	3160	20.0	*	mg/L	1 2/14/2023 1:15:00 PM 731	158
SM 4500 NORG C: TKN					Analyst: EK	M
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1 2/14/2023 8:16:00 AM 731	153

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302512

Date Reported: 2/15/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70-02

Project: Mountain View Dairy LLC **Collection Date:** 2/9/2023 1:40:00 PM Lab ID: 2302512-003 Matrix: GROUNDWA Received Date: 2/10/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF D	ate Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JTT
Chloride	920	50	*	mg/L	100 2	2/10/2023 8:51:41 PM	R94552
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2	2/10/2023 8:39:21 PM	R94552
Nitrogen, Nitrate (As N)	32	1.0	*	mg/L	10 2	2/10/2023 8:39:21 PM	R94552
Sulfate	450	5.0	*	mg/L	10 2	2/10/2023 8:39:21 PM	R94552
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: DML
Total Dissolved Solids	2920	20.0	*	mg/L	1 2	2/14/2023 1:15:00 PM	73158
SM 4500 NORG C: TKN						Analyst	EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 2	2/14/2023 8:16:00 AM	73153

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits Sample pH Not In Range
- RL Reporting Limit

Lab Order 2302512

Date Reported: 2/15/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Alb Client Sample ID: 70-04

Project: Mountain View Dairy LLC **Collection Date:** 2/9/2023 4:08:00 PM 2302512-004 Lab ID: Matrix: GROUNDWA Received Date: 2/10/2023 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	730	50	*	mg/L	100 2/10/2023 9:16:23 PM	R94552
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/10/2023 9:04:02 PM	R94552
Nitrogen, Nitrate (As N)	33	1.0	*	mg/L	10 2/10/2023 9:04:02 PM	R94552
Sulfate	710	50	*	mg/L	100 2/10/2023 9:16:23 PM	R94552
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analys	t: DML
Total Dissolved Solids	3090	40.0	*D	mg/L	1 2/14/2023 1:15:00 PM	73158
SM 4500 NORG C: TKN					Analys	t: EKM
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1 2/14/2023 8:16:00 AM	73153

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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302512

15-Feb-23

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: **R94552** RunNo: 94552 Prep Date: Analysis Date: 2/10/2023 SeqNo: 3417563 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 ⁻	Гуре: LC	S	Tes	tCode: EF	PA Method	300.0: Anions	i		
Client ID: LCSW	Batc	h ID: R9	4552	F	RunNo: 94	1552				
Prep Date:	Analysis [Date: 2/	10/2023		SeqNo: 34	117564	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	95.0	90	110			
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	97.8	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0 100 9		90	110			
Sulfate	9.6	0.50	10.00	0	96.5	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302512**

15-Feb-23

Client: EA Engineering Alb

Project: Mountain View Dairy LLC

Sample ID: MB-73158 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73158 RunNo: 94589

Prep Date: 2/13/2023 Analysis Date: 2/14/2023 SeqNo: 3419370 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-73158 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73158 RunNo: 94589

Prep Date: 2/13/2023 Analysis Date: 2/14/2023 SeqNo: 3419371 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: 2302512

15-Feb-23

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

Sample ID: MB-73153 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73153 RunNo: 94580

Prep Date: 2/13/2023 Analysis Date: 2/14/2023 SeqNo: 3419189 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-73153 SampType: LCS TestCode: SM 4500 Norg C: TKN

Batch ID: 73153 Client ID: LCSW RunNo: 94580

Prep Date: 2/13/2023 Analysis Date: 2/14/2023 SeqNo: 3419190 Units: mg/L

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

Nitrogen, Kjeldahl, Total 10.00 101 120

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 standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RLReporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: 2302512 RcptNo: 1 Hansy Received By: Juan Rojas 2/10/2023 8:45:00 AM Completed By: **Tracy Casarrubias** 2/10/2023 10:36:10 AM Reviewed By: Ser 2/10/23 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🔲 Not Present 2. How was the sample delivered? FedEx Log In No 🗌 NA 🗌 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 Yes 🗸 No 🗌 5. Sample(s) in proper container(s)? Yes 🗹 Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 NA 🗌 Yes 🗌 No 🗹 8. Was preservative added to bottles? NA 🗹 No 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 Yes No 🗹 10. Were any sample containers received broken? # of preserved bottles checked No 🗌 for pH: Yes 🗸 11. Does paperwork match bottle labels? >12 unless noted) (Note discrepancies on chain of custody) Yes 🗸 No 🔲 12. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗍 13. Is it clear what analyses were requested? Checked by: No 🗌 14. Were all holding times able to be met? Yes 🗹 (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 NA 🗹 No 🗌 15. Was client notified of all discrepancies with this order? Person Notified: Date: By Whom: eMail Phone Fax In Person Via: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By Good 1.8 Not Present Morty

									100		IAI		EN۱	/TI	20			ITA		
Client:				Standard	□ Rush	1		-		_				'SI						
EA Engin Mailing A			and Technology	Project Name Mountain Vie					490)1 H	,	www	/.halle	enviror Albuqi	mer	ital.cc	m			•
320 Gold	d Ave S\	N Suite		Project #:									.– . 975			-345-				
Phone #:		505-715	-4279					Name of						alysis						(Mari
email or l	Fax#:		rmullen@eaest.com	Project Mana	ger:		-		300.											
QA/QC Pa □ Stand	_		☐ Level 4 (Full Validation)		Gina Mullen	Į.			lethod 3	3 C		۵		6010B						
□ NELA	C	☐ Az Co☐ Other	mpliance		Angel N. Rive	□No			EPA N	NOR	300	C MOD	300	EPA 60						
□ EDD (Date 1		Matrix	Sample Name	# of Coolers: Cooler Temp Container Type and #		1000 HEAL 23025)	1.8 . No.		Nitrate/Nitrites EPA Method	TKN SM 4500 NORG	Chloride EPA	TDS SM 2540	Sulfate EPA 3	Phosphorus E	Total Sulfur			i		
	10 06		70-03	2		001			X	X	x		X		Ť	\Box				
29" 1			70-01	a		002			X	x	X	_	X	\top	1				1	
	13:40		70-02	2		003		\Box	X	x x	J	¥	V			\Box	\neg			
29	16 08		70-04	2		064			X	X	X	X	Ŷ							
						1				_	_		\dashv	_	-	$\downarrow \downarrow \downarrow$		\perp	4	-
									_	\dashv	\dashv		\dashv		-	\vdash	+	+	+	-
								\forall					\dashv		+-	\vdash	\dashv	+	+	
																			\top	
												\neg								
29	17:45	Relinquish Relinquish	dun	Received by:	Via: Via:	Date 2 10 23 Date	Time 8:45	Rem	narks	3 :										



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

March 30, 2023

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

RE: Big Sky Dairy OrderNo.: 2303779

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/15/2023 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

Received Date: 3/15/2023 9:20:00 AM

Lab Order 2303779

Date Reported: 3/30/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: LRG-4001-POD 4

Project: Big Sky Dairy Collection Date: 3/14/2023 9:30:00 AM 2303779-001 Matrix: GROUNDWA

Analyses	Result	RL Qı	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: CAS
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/15/2023 5:11:12 PM	R95307
Nitrogen, Nitrate (As N)	5.9	1.0	mg/L	10	3/15/2023 5:11:12 PM	R95307
SM 4500 NORG C: TKN					Analys	st: DML
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/29/2023 12:33:00 PM	<i>I</i> 73931

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

Qualifiers:

Lab ID:

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303779**

RPDLimit

Qual

30-Mar-23

Client: EA Engineering
Project: Big Sky Dairy

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

Client ID: PBW Batch ID: R95307 RunNo: 95307

Prep Date: Analysis Date: 3/15/2023 SeqNo: 3447185 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

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

Client ID: LCSW Batch ID: R95307 RunNo: 95307

Prep Date: Analysis Date: 3/15/2023 SeqNo: 3447186 Units: mg/L

SPK value SPK Ref Val Analyte Result PQL %REC LowLimit HighLimit %RPD Nitrogen, Nitrite (As N) 0.97 0.10 1.000 0 96.8 90 0 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 99.3 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering Work Order Number: 2303779 RcptNo: 1 Received By: Joseph Alderette 3/15/2023 9:20:00 AM Completed By: Tracy Casarrubias 3/15/2023 10:04:21 AM Reviewed By: JU1/15/23 Chain of Custody No 🗌 Not Present 1. Is Chain of Custody complete? Yes 🗹 2. How was the sample delivered? **FedEx** Log In 3. Was an attempt made to cool the samples? No 🗌 NA 🗌 Yes 🔽 No \square Yes 🗸 NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C No \square Sample(s) in proper container(s)? Yes 🗹 **V** No 🗌 Sufficient sample volume for indicated test(s)? No 🗌 V 7. Are samples (except VOA and ONG) properly preserved? Yes Yes \square No 🗸 NA 🗌 8. Was preservative added to bottles? NA 🗹 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 No 🗌 Yes No 🗹 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗸 No 🔲 for pH: 11. Does paperwork match bottle labels? (<2)or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? Yes 🔽 No 🗌 12. Are matrices correctly identified on Chain of Custody? No 🗌 Yes 🗸 13. Is it clear what analyses were requested? Checked by: W4 3.15.23 No 🗌 14. Were all holding times able to be met? Yes 🔽 (If no, notify customer for authorization.) Special Handling (if applicable) Yes No 🗌 NA 🗹 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 ºC Condition Seal Intact Seal No Seal Date Signed By 1.0 Good Not Present Yogi

Chain-of-Custody Record Client: Standard Project Name				Time:	1.80							LL			TD		NI B	4 =	NIT.			
Client:			30	 	□ Rush								AL									
	ineering, Address		and Technology	Project Name						4901		www	w.hall	lenvi	ronn	nent	al.co	m				
320 Go	ld Ave S	W Suite		Big SK Project #:		1				Tel. 5							345-					
Phone	#:	505-715	-4279										A	naly	sis I	Requ	uest					
email o	r Fax#:		rmullen@eaest.com	Project Mana	iger:					300.						ŀ		1				
QA/QC □ Stan	Package: idard		☐ Level 4 (Full Validation)		Gina Mullen					S S		٥			10B							
Accredi		☐ Az Co ☐ Other	mpliance	Sampler: On Ice:	Angel N. Rive	era N	0			LPA Method	300	С МОБ	300		PA 60							
	(Type)			# of Coolers:		£334	409:			ites 500	PA	540	A 3		S E	_					1	
Date	Time	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative Type		HEAL No.			Nitrate/Nitrites EPA Me TKN SM 4500 NORG	Chloride EPA	TDS SM 2540 C	Sulfate EPA		Phosphorus EPA 6010B	Total Sulfur						
3-14	9:30	GW	LRG-4001-POD 4	2		do	1		1	XX												
5 BAS		50.00																				
										\neg	T											
						- V			\top		1			\dashv	\neg	\dashv	\neg	\neg				
		1					<u> </u>		+		+		Н	\dashv	\dashv	\neg	\neg		\dashv	\dashv	\dashv	
								\dashv	+		+		Н	\dashv			\dashv		\dashv	\dashv		
	<u> </u>										 			-	_		\dashv	\neg	\dashv	\dashv	_	
	 						<u> </u>	_	\dashv	_	+-			\dashv	\dashv		\neg	\dashv	\dashv	\dashv	\dashv	+
								_	╁	+	-			\dashv	\dashv	\dashv	\dashv	_	\dashv	\dashv	-	
						1		_	_	_	 						\neg		+	\dashv	\dashv	
									\dashv	\dashv		\vdash	\vdash	\dashv	_	-	-	-	\dashv	\dashv	\dashv	
								\dashv		+	+			\dashv					\dashv	\dashv	_	+
Date: 3-14	Time:		l m	Received by:	Via: Ceèle	子	Date Time	70 R	L Rema	l arks:	1	<u> </u>	1	1								
Date:	Time:	Relinquish	ea by:	Received by:	Via:		Date Time															



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

March 28, 2023

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

RE: Sunset Dairy OrderNo.: 2303778

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/15/2023 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 2303778

Date Reported: 3/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: LRG-940-POD2

Project: Sunset Dairy Collection Date: 3/14/2023 9:40:00 AM

Lab ID: 2303778-001 **Matrix:** GROUNDWA **Received Date:** 3/15/2023 9:20:00 AM

Analyses	Result RL Qual Uni				Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: CAS		
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/15/2023 6:53:43 PM	R95307		
Nitrogen, Nitrate (As N)	ND	1.0	mg/L	10	3/15/2023 6:53:43 PM	R95307		
SM 4500 NORG C: TKN					Analys	t: DML		
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/27/2023 2:40:00 PM	73932		

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

Lab Order 2303778

Collection Date: 3/14/2023 9:48:00 AM

Date Reported: 3/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: LRG-3348-5-2(Twin N)

2303778-002 **Received Date:** 3/15/2023 9:20:00 AM Lab ID: Matrix: GROUNDWA

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/15/2023 7:19:28 PM	R95307
Nitrogen, Nitrate (As N)	ND	1.0	mg/L	10	3/15/2023 7:19:28 PM	R95307
SM 4500 NORG C: TKN					Analys	t: DML
Nitrogen, Kjeldahl, Total	1.5	1.0	mg/L	1	3/27/2023 2:40:00 PM	73932

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

Qualifiers:

Project:

Sunset Dairy

- 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Lab Order 2303778

Date Reported: 3/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering

Client Sample ID: LRG-3359-AA (Twin S)

Project: Sunset Dairy

Collection Date: 3/14/2023 9:55:00 AM

Lab ID: 2303778-003 **Matrix:** GROUNDWA **Received Date:** 3/15/2023 9:20:00 AM

Analyses	Result	t RL Qual Units			Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Nitrogen, Nitrite (As N)	ND	1.0	mg/L	10	3/15/2023 7:45:10 PM	R95307
Nitrogen, Nitrate (As N)	1.1	1.0	mg/L	10	3/15/2023 7:45:10 PM	R95307
SM 4500 NORG C: TKN					Analys	t: DML
Nitrogen, Kjeldahl, Total	ND	1.0	mg/L	1	3/27/2023 2:40:00 PM	73932

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
 J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303778**

28-Mar-23

Client: EA Engineering
Project: Sunset Dairy

Nitrogen, Nitrate (As N)

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

Client ID: PBW Batch ID: R95307 RunNo: 95307

Prep Date: Analysis Date: 3/15/2023 SeqNo: 3447185 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

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

Client ID: LCSW Batch ID: R95307 RunNo: 95307

0.10

2.5

Prep Date: Analysis Date: 3/15/2023 SeqNo: 3447186 Units: mg/L

2.500

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Nitrogen, Nitrite (As N) 90 0.97 0.10 1.000 0 96.8 110

0

99.3

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303778**

28-Mar-23

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-73932 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 73932 RunNo: 95587

Prep Date: 3/24/2023 Analysis Date: 3/27/2023 SeqNo: 3458509 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-73932 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 73932 RunNo: 95587

Prep Date: 3/24/2023 Analysis Date: 3/27/2023 SeqNo: 3458510 Units: mg/L

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

Nitrogen, Kjeldahl, Total 11 1.0 10.00 0 112 80 120

Sample ID: 2303778-003AMS SampType: MS TestCode: SM 4500 Norg C: TKN

Client ID: LRG-3359-AA (Twin Batch ID: 73932 RunNo: 95587

Prep Date: 3/24/2023 Analysis Date: 3/27/2023 SeqNo: 3458514 Units: mg/L

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

 Analyte
 Result
 FQL
 SFK value
 SFK Kel Val
 76EC
 LowLimit
 Fight-limit
 76ED
 RFD Limit
 Qual

 Nitrogen, Kjeldahl, Total
 9.9
 1.0
 10.00
 0.7000
 92.4
 75
 125

Sample ID: 2303778-003AMSD SampType: MSD TestCode: SM 4500 Norg C: TKN

Client ID: LRG-3359-AA (Twin Batch ID: 73932 RunNo: 95587

Prep Date: 3/24/2023 Analysis Date: 3/27/2023 SeqNo: 3458515 Units: mg/L

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

Nitrogen, Kjeldahl, Total 11 1.0 10.00 0.7000 102 75 125 9.40 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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: 2303778 RcptNo: 1 Received By: Joseph Alderette 3/15/2023 9:20:00 AM Completed By: **Tracy Casarrubias** 3/15/2023 9:58:37 AM 743/15/23 Reviewed By: Chain of Custody No 🗌 Yes 🔽 Not Present 1. Is Chain of Custody complete? 2. How was the sample delivered? Log In 3. Was an attempt made to cool the samples? No 🗌 NA 🗌 Yes 🔽 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes V Yes ✓ No \square Sample(s) in proper container(s)? No \square Yes 🔽 6 Sufficient sample volume for indicated test(s)? No 🗌 Yes 🔽 7. Are samples (except VOA and ONG) properly preserved? No 🔽 Yes 🗌 NA 🗌 8. Was preservative added to bottles? NA 🗹 No 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 Yes No 🔽 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗸 No 🗌 for pH: 11. Does paperwork match bottle labels? or >12 unless noted) (Note discrepancies on chain of custody) A IO Adjusted? Yes 🗹 No 🗌 12. Are matrices correctly identified on Chain of Custody? No 🗌 13. Is it clear what analyses were requested? Yes Checked by: KPU 3.15.23 14. Were all holding times able to be met? Yes 🔽 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) Yes NA 🗹 15. Was client notified of all discrepancies with this order? No 🗌 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 Good Not Present Yogi

Chain-of-Custody Record		Turn-Around Time:						_				/T	DO.	. B.I B	WIE	NIT.	-AI				
Client:		Standard □ Rush			HALL ENVIRONMENTAL ANALYSIS LABORATORY																
	gineering, Science, and Technology		Project Name:			www.hallenvironmental.com															
Mailing	Address	:		SUNSET	Dain		49			4901 Hawkins NE - Albuquerque, NM 87109											
320 Gold Ave SW Suite			Sunset Daing Project #:				Tel. 505-345-3975 Fax 505-345-4107														
Phone #: 505-715-4279						4-1						An	alysis	Re	ques	t			QIA (
email or Fax#: rmullen@eaest.com			rmullen@eaest.com	Project Manager:																	
	Package:			Gina Mullen				pou													
□ Stan	dard		☐ Level 4 (Full Validation)					.	Met	00				1 5							
			mpliance	Sampler: On Ice:	Angel N. Rive	era □ No			PAI	NORG	300	MOD		A 60							
O NEL	(Type) _	☐ Other		# of Coolers:		LI NO	409:	1	SS E	ģ	A 3	힕	30	<u>П</u>							
	(Type)_				(including CF):	5 -6=1	Q.c	1	itrite	SM 4500	EPA	SM 2540 C	ξ.	l SD	j	5					
								1	e/N	SM	ģ	SM	te E	일	Z	3					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	23037	L No. ココら		Nitrate/Nitrites EPA Method	TKN	Chloride	TDS	Sulfate EPA 300	Phosphorus EPA 6010B	Total Sulfur						
3-14	9:40	Gw	LRG-940-POD 2	a		100			X	X											
3-14	9:48		LRG-3348-5-2 (Twin N)	2		002			Х	X											
3-14	9:55	Gw	LRG-3359-AA(Twin 5)	2		003			X	X											
			1																		
						Y ₁															
						A															
Date:	Time:	Relinquish	ed by:	Received by:	Via:	Date	Time	Ren	nark	\ S:								·			J
3-14	17:50	Ola	lan		fed ex	3.15.23	9.20														
Date:	Time:	Relinquish		Received by:	Via:	Date	Time	1													