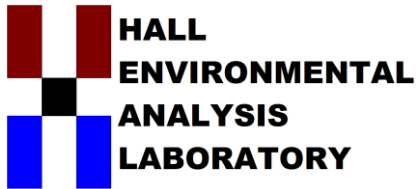


APPENDIX B

ANALYTICAL LABORATORY REPORTS

(Provided in Electronic Format via CD 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303703

Date Reported: 3/24/2023

CLIENT: EA Engineering

Client Sample ID: 257- Lagoon

Project: Sunset Dairy

Collection Date: 3/13/2023 2:55:00 PM

Lab ID: 2303703-001

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 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303703

24-Mar-23

Client: EA Engineering
Project: Sunset 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 |
| Chloride | 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: 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 |
| 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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 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



Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303703

RcptNo: 1

Received By: Tracy Casarrubias 3/14/2023 8:47:00 AM

Completed By: Tracy Casarrubias 3/14/2023 9:20:42 AM

Reviewed By: *JJ 3-14-23*

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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 broken? Yes No
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 2
 Adjusted? yes
 Checked by: m 3/14/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

Poured off 100 mL from original unpreserved volume provided. Added 1.2 mL of HNO3 to sample 001B (CHEM # 7163 for pH- 2.0w/

17. Cooler Information 0.5 of H2SO4 was added to sample 001A 2 of 2 for pH 2.2.

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-------------------|
| 1 | 0.3 | Good | Not Present | Yogi | | (6893) m 3/14/23. |



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **2303702**

Date Reported: 3/24/2023

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 | Qual | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303702

24-Mar-23

Client: EA Engineering Alb

Project: Bright Star 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: R95377 | RunNo: 95377 | | | | | | | | |
| Prep Date: | Analysis Date: 3/18/2023 | SeqNo: 3450138 | 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: R95377 | RunNo: 95377 | | | | | | | | |
| Prep Date: | Analysis Date: 3/18/2023 | SeqNo: 3450139 | 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 | 94.2 | 90 | 110 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Sample Log-In Check List

Client Name: EA Engineering Work Order Number: 2303702 RcptNo: 1

Received By: Tracy Casarrubias 3/14/2023 8:47:00 AM
 Completed By: Tracy Casarrubias 3/14/2023 9:13:32 AM
 Reviewed By: *[Signature]* 3-14-23

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? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? 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 broken? Yes No
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 2
 (<2 or >12 unless noted)
 Adjusted? yes
 Checked by: Jm 3/14/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

Poured off 1.2 mL from original unpreserved volume provided. Added 1.2 mL of HNO3 to sample 001B (CHEM # 710) for pH. It did not pH.

Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.3 | Good | Not Present | Yogi | | |

for pH 2.2.
Jm 3/14/23.



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303701

Date Reported: 3/24/2023

CLIENT: EA Engineering Alb

Client Sample ID: 70- Lagoon

Project: Mountain View Dairy LLC

Collection Date: 3/13/2023 11:05:00 AM

Lab ID: 2303701-001

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: 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | 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 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303701

24-Mar-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: A95284 | RunNo: 95284 | | | | | | | | |
| Prep Date: | Analysis Date: 3/15/2023 | SeqNo: 3446360 | 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: A95284 | RunNo: 95284 | | | | | | | | |
| Prep Date: | Analysis Date: 3/15/2023 | SeqNo: 3446361 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Nitrite (As N) | 0.98 | 0.10 | 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 | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R95377 | RunNo: 95377 | | | | | | | | |
| Prep Date: | Analysis Date: 3/18/2023 | SeqNo: 3450138 | 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: R95377 | RunNo: 95377 | | | | | | | | |
| Prep Date: | Analysis Date: 3/18/2023 | SeqNo: 3450139 | 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 | 94.2 | 90 | 110 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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 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

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 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: *JW* 3-14-23

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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 broken? Yes No
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 2
 (<2 or >12 unless noted)
 Adjusted? yes
 Checked by: JW 3/14/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

Poured off 100 mL from original unpreserved volume provided. Added 1.2 mL of HNO3 to sample 001B (CHEM # 7162) for pH < 2. 2.0 mL

17. Cooler Information of H2SO4 was added to sample 001A 2 of 2 for pH < 2.

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|--------------------|
| 1 | 0.3 | Good | Not Present | Yogi | | (6893) JW 3/14/23. |



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303705

Date Reported: 3/28/2023

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 | Qual | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

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 |
| Chloride | 4.8 | 0.50 | 5.000 | 0 | 95.4 | 90 | 110 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303705

RcptNo: 1

Received By: Tracy Casarrubias 3/14/2023 8:49:00 AM

Completed By: Tracy Casarrubias 3/14/2023 9:35:20 AM

Reviewed By: *[Signature]* 3-14-23

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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 broken? Yes No
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 2
 (<2 or >12 unless noted)
 Adjusted? yes
 Checked by: mc 3/14/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

Poured off 100 mL from original unpreserved volume provided. Added 1.6 mL of HNO3 to sample 001B (CHEM # 7163 for pH. It did not
ph. 3.0ml of H2SO4 was added to sample 001A 20F2.

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.3 | Good | Not Present | Yogi | | |

It did not ph.
(6893) mc 3/14/23.



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303704

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | | | | | | | | |
| 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 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

QC SUMMARY REPORT

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 | 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 |

| | | | | | | | | | | |
|--------------------------|----|------|--|--|--|--|--|--|--|--|
| Chloride | 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: 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 |

| | | | | | | | | | | |
|--------------------------|------|------|-------|---|------|----|-----|--|--|--|
| 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
- 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

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303704

RcptNo: 1

Received By: Tracy Casarrubias 3/14/2023 8:47:00 AM

Completed By: Tracy Casarrubias 3/14/2023 9:26:47 AM

Reviewed By: *JC 3-14-23*

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? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? 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 broken? Yes No
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 2
 (<2 or >12 unless noted)
 Adjusted? yes
 Checked by: JC 3/14/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

Poured off 100 mL from original unpreserved volume provided. Added 20 mL of HNO3 to sample 001B (CHEM # 7163) for pH- 2.0ml

17. Cooler Information 0.1H2SO4 was added to sample 001A 2 of 2 for pH < 2.

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|--------------------|
| 1 | 0.3 | Good | Not Present | Yogi | | C6893. JC 3/14/23. |



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 2208B58
 Date Reported: 9/8/2022

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 2208B58
 Date Reported: 9/8/2022

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.

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 2208B58
 Date Reported: 9/8/2022

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.

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208B58

08-Sep-22

Client: Glorieta GeoScience
Project: Organ Dairy

| Sample ID: MB | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R90384 | RunNo: 90384 | | | | | | | | |
| Prep Date: | Analysis Date: 8/18/2022 | SeqNo: 3226354 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|--------------------------|----|------|--|--|--|--|--|--|--|--|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: LCS | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R90384 | RunNo: 90384 | | | | | | | | |
| Prep Date: | Analysis Date: 8/18/2022 | SeqNo: 3226356 | 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 | SampType: ms | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: MW 126 -12 | Batch ID: R90384 | RunNo: 90384 | | | | | | | | |
| Prep Date: | Analysis Date: 8/18/2022 | SeqNo: 3226388 | 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: 2208B58-002AMSD | SampType: msd | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: MW 126 -12 | Batch ID: R90384 | RunNo: 90384 | | | | | | | | |
| Prep Date: | Analysis Date: 8/18/2022 | SeqNo: 3226390 | 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 | 96.8 | 93.5 | 110 | 0.501 | 20 | |
|--------------------------|----|-----|-------|-------|------|------|-----|-------|----|--|

| Sample ID: MB | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R90644 | RunNo: 90644 | | | | | | | | |
| Prep Date: | Analysis Date: 8/29/2022 | SeqNo: 3239252 | 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 Quantitative 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

QC SUMMARY REPORT

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

QC SUMMARY REPORT

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

QC SUMMARY REPORT

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

Sample Log-In Check List

Client Name: **Glorieta GeoScience**

Work Order Number: **2208B58**

RcptNo: **1**

Received By: **Kasandra Payan** 8/18/2022 10:35:00 AM *KJP*

Completed By: **Tracy Casarrubias** 8/18/2022 1:19:13 PM

Reviewed By: *[Signature]* 8-18-22

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? 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
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 3
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: SEA 8/18/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.1 | Good | Not Present | | | |

Chain-of-Custody Record

Client: Glorieta Prescience

Mailing Address: 1723 2nd St.
Santa Fe, NM, 87505

Phone #: 505 983 5446

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____

EDD (Type) _____

Turn-Around Time:
 Standard Rush

Project Name: Organ Dairy

Project #:

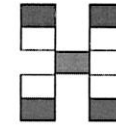
Project Manager: Sam Carver

Sampler: J Star

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 21-0 = 2.1 (°C)



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | TDS, Cl, SO ₄ | TEW, NO ₃ |
|---------|-----------------|--------|----------------------|----------------------|--------------------------------|----------------|----------------------------|----------------------------|----------------------------|--------------------|--------------------------|---------------|--|------------|-----------------|---------------------------------|--------------------------|----------------------|
| 8/17/22 | 830 | A9 | MW 126-13 | 2x500 ml | H ₂ SO ₄ | 2208B58 001 | | | | | | | | | | | X | X |
| | 1030 | | MW 126-12 | | | 002 | | | | | | | | | | | | |
| | 1020 | | MW 126-11 | | | 003 | | | | | | | | | | | | |
| | 1120 | | LRG-4585 | | | 009 | | | | | | | | | | | | |

Date: 8/18/22 Time: 1035 Relinquished by: [Signature]

Date: 8/18/22 Time: 1035 Received by: [Signature] Via: CDU

Date: 8-18-22 Time: 10:35

Remarks:

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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303766

Date Reported: 3/30/2023

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 | RL | Qual | Units | DF | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303766

Date Reported: 3/30/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | 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: R95304 | RunNo: 95304 | | | | | | | | |
| Prep Date: | Analysis Date: 3/15/2023 | SeqNo: 3447030 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 97.7 90 110

Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 100 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 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

QC SUMMARY REPORT

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 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
 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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 2
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: JW 3/15/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail 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 | 1.0 | Good | Not Present | Yogi | | |



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303768

Date Reported: 3/28/2023

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 | RL | Qual | Units | DF | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303768

28-Mar-23

Client: EA Engineering Alb

Project: Bright Star Dairy

| Sample ID: MB | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R95311 | RunNo: 95311 | | | | | | | | |
| Prep Date: | Analysis Date: 3/15/2023 | SeqNo: 3447306 | 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 | | | | | | | | |

| Sample ID: LCS | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R95311 | RunNo: 95311 | | | | | | | | |
| Prep Date: | Analysis Date: 3/15/2023 | 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, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 100 | 90 | 110 | | | |

| Sample ID: 2303768-001AMS | SampType: ms | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LRG-00953 | Batch ID: R95311 | RunNo: 95311 | | | | | | | | |
| Prep Date: | Analysis Date: 3/15/2023 | SeqNo: 3447311 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Nitrate (As N) | 40 | 1.0 | 25.00 | 14.86 | 102 | 87.7 | 111 | | | |

| Sample ID: 2303768-001AMSD | SampType: msd | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|-------|----------|------|
| Client ID: LRG-00953 | Batch ID: R95311 | RunNo: 95311 | | | | | | | | |
| Prep Date: | Analysis Date: 3/15/2023 | SeqNo: 3447312 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Nitrate (As N) | 40 | 1.0 | 25.00 | 14.86 | 101 | 87.7 | 111 | 0.233 | 20 | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 | 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 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

QC SUMMARY REPORT

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 | | | | | | | | |
|-----------------------------|---------------------------------|--------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 73885 | RunNo: 95550 | | | | | | | | |
| Prep Date: 3/23/2023 | Analysis Date: 3/24/2023 | SeqNo: 3456321 | 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-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 | | | | | | | |
| 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: 2303768-001AMS | SampType: MS | TestCode: SM 4500 Norg C: TKN | | | | | | | | |
|----------------------------------|---------------------------------|--------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LRG-00953 | Batch ID: 73885 | RunNo: 95550 | | | | | | | | |
| Prep Date: 3/23/2023 | Analysis Date: 3/24/2023 | SeqNo: 3456324 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 20 | 2.0 | 20.00 | 0 | 102 | 75 | 125 | | | D |

| Sample ID: 2303768-001AMSD | SampType: MSD | TestCode: SM 4500 Norg C: TKN | | | | | | | | |
|-----------------------------------|---------------------------------|--------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LRG-00953 | Batch ID: 73885 | RunNo: 95550 | | | | | | | | |
| Prep Date: 3/23/2023 | Analysis Date: 3/24/2023 | SeqNo: 3456325 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 15 | 2.0 | 20.00 | 0 | 74.2 | 75 | 125 | 31.7 | 20 | RSD |

Qualifiers:

- * Value exceeds Maximum Contaminant 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



Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303768

RcptNo: 1

Received By: Joseph Alderette 3/15/2023 9:20:00 AM

Completed By: Tracy Casarrubias 3/15/2023 9:34:54 AM

Reviewed By: WPC 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? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? 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
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 1
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: JW 3/15/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail 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 | 1.0 | Good | Not Present | Yogi | | |

Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type)

Turn-Around Time:

Standard Rush

Project Name:

Bright Star Daim

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: Yes No

of Coolers:

Cooler Temp (including CF): *1.0 - 0 = 1.0°C veg.*

Container Type and #

Preservative Type

HEAL No.

2303768

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|-------------|--------------|-----------|------------------|----------------------|-------------------|------------|
| <i>3-14</i> | <i>13:05</i> | <i>6w</i> | <i>LR6-00953</i> | <i>2</i> | | <i>001</i> |
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Date: *3-14* Time: *17:50* Relinquished by: *[Signature]*

Received by: *[Signature]* Via: *Fedex* Date: *3-15-23* Time: *9:20*

Date: Time: Relinquished by:

Received by: Via: Date: Time

Remarks:



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

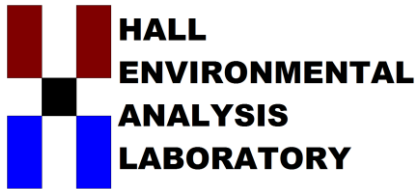
4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | | | | | | |
|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | | | | | | | |
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

March 30, 2023

Regina Mullen

EA Engineering

320 Gold Ave SW Suite 1210

Albuquerque, NM 87102

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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303839

Date Reported: 3/30/2023

CLIENT: EA Engineering

Client Sample ID: LRG-3348-B

Project: Sunset Dairy

Collection Date: 3/15/2023 1:28:00 PM

Lab ID: 2303839-001

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: 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303839

Date Reported: 3/30/2023

CLIENT: EA Engineering

Client Sample ID: LRG-3348-As

Project: Sunset Dairy

Collection Date: 3/15/2023 2:20:00 PM

Lab ID: 2303839-002

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: 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | 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: lcs | 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 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | 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) | 2.5 | 0.10 | 2.500 | 0 | 101 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 | 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303839

RcptNo: 1

Received By: Sean Livingston 3/16/2023 8:40:00 AM

Completed By: Desiree Dominguez 3/16/2023 8:54:12 AM

Reviewed By: *[Signature]* 3-16-23

[Signature]
[Signature]

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Samples not frozen
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
11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: 2
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: *[Signature]* 3-16-2023

Special Handling (if applicable)

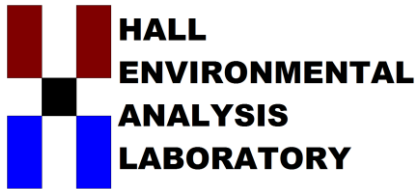
15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

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



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303852

Date Reported: 3/30/2023

CLIENT: EA Engineering

Client Sample ID: EW-05

Project: Del Oro Dairy

Collection Date: 3/15/2023 4:05:00 PM

Lab ID: 2303852-001

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 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303852

Date Reported: 3/30/2023

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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | | | | | | | | |
| 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 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| | | | | | | | | | | |
|------------------------|---------------------------------|---|--|--|--------------------|--|--|--|--|--|
| Sample ID: LCS | SampType: lcs | 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 | | | | | |

| 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) | 0.96 | 0.10 | 1.000 | 0 | 96.3 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 100 | 90 | 110 | | | |
| Sulfate | 9.6 | 0.50 | 10.00 | 0 | 96.0 | 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 | | | | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | 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 | 84.9 | 110 | | | |

| | | | | | | | | | | |
|-----------------------------------|---------------------------------|---|--|--|--------------------|--|--|--|--|--|
| Sample ID: 2303852-001AMSD | SampType: msd | TestCode: EPA Method 300.0: Anions | | | | | | | | |
| Client ID: EW-05 | Batch ID: R95353 | RunNo: 95353 | | | | | | | | |
| Prep Date: | Analysis Date: 3/16/2023 | SeqNo: 3449089 | | | Units: mg/L | | | | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|--------------------------|--------|-----|-----------|-------------|------|----------|-----------|--------|----------|------|
| Nitrogen, Nitrite (As N) | 8.3 | 1.0 | 10.00 | 0 | 82.8 | 81 | 110 | 0.788 | 20 | |
| Nitrogen, Nitrate (As N) | 40 | 1.0 | 25.00 | 14.63 | 102 | 87.7 | 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 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

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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 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

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303852

RcptNo: 1

Received By: Sean Livingston 3/16/2023 8:40:00 AM

Completed By: Desiree Dominguez 3/16/2023 9:56:50 AM

Reviewed By: *[Signature]* 3-16-23

[Signature]
[Signature]

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

Samples not frozen

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

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

11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 2
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: *[Signature]* 3-16-2023

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:

Cooler Information

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



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303854

Date Reported: 3/31/2023

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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | | | | | | | | |
| 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) 0.96 0.10 1.000 0 96.3 90 110

Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 100 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 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

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303854

RcptNo: 1

Received By: Sean Livingston 3/16/2023 8:40:00 AM

Completed By: Desiree Dominguez 3/16/2023 9:59:25 AM

Reviewed By: *JD 3-16-23*

Sean Livingston
JD

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

Samples not frozen

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

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

11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 1
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: *WJ 3.16.2023*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

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

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other _____

EDD (Type) _____

Turn-Around Time: Standard Rush

Project Name: Buena Vista Dairy 2

Project #: _____

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): -2.2 + 0.2 = -1.5°C

Date: 3-15

Time: 10:45

Matrix: Gw

Sample Name: CRG-01876

Container Type and #: 2

Preservative Type: _____

HEAL No. 2303854

Date: 3-15

Time: 17:55

Relinquished by: *Angel N. Rivera*

Date: 3-15

Time: 17:55

Relinquished by: _____

Received by: *xx*

Via: *Fedex*

Date: 3/16/23

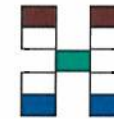
Time: 8:40

Received by: _____

Via: _____

Date: _____

Time: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | | | | | |
|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|
| X | X | X | X | | | | | | | | | | | | | | | |

Remarks: _____

Remarks: _____

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 noted 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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303851

Date Reported: 3/31/2023

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 | Qual | 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 | 10 | 3/16/2023 4:16:26 PM | R95351 |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 3/16/2023 4:16:26 PM | R95351 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: RBC |
| Total Dissolved Solids | 1440 | 250 | *D | 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 | 3/29/2023 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | 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) 2.5 0.10 2.500 0 101 90 110

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical 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

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303851

RcptNo: 1

Received By: Sean Livingston 3/16/2023 8:40:00 AM

Completed By: Desiree Dominguez 3/16/2023 9:54:56 AM

Reviewed By: *[Signature]* 3-16-23

[Signature]
[Signature]

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

Samples not frozen

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

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

11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH:

1 or >12 unless noted

Adjusted? *NO*

Checked by: *MD 3-16-2023*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

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 | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com

Turn-Around Time:
 Standard Rush
 Project Name: Big Sky Dairy
 Project #:



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Project Manager: Gina Mullen
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation:
 Az Compliance
 NELAC Other _____
 EDD (Type) _____

Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): -2.0 to 0.2 = -1.8°C

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|------|-------|--------|-------------|----------------------|-------------------|-------------|
| 3-15 | 12:30 | GW | LR6-4116 | 2 | | 2303851-001 |
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| Analysis Request | | | | | | | | | | |
|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|
| Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | |
| X | X | X | X | | | | | | | |
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Date: 3-15 Time: 17:55 Relinquished by: *[Signature]*
 Received by: *[Signature]* Via: *Keox* Date: 3/16/15 Time: 8:40

Remarks:

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 noted on the analytical report.



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

April 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303776

Date Reported: 4/24/2023

CLIENT: EA Engineering Alb
Project: Mountain View Dairy LLC
Lab ID: 2303776-001

Client Sample ID: LRG-457-(Pivot)
Collection Date: 3/14/2023 10:26:00 AM
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 | 1000 | 50 | * | mg/L | 100 | 3/15/2023 9:50:30 PM | R95304 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 3/15/2023 9:38:06 PM | R95304 |
| Nitrogen, Nitrate (As N) | 7.6 | 1.0 | | mg/L | 10 | 3/15/2023 9:38:06 PM | R95304 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: RBC |
| Total Dissolved Solids | 3430 | 100 | *HD | mg/L | 1 | 4/20/2023 4:21:00 PM | 74408 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: DML |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303776

Date Reported: 4/24/2023

CLIENT: EA Engineering Alb
Project: Mountain View Dairy LLC
Lab ID: 2303776-002

Client Sample ID: LRG-457-S (Flood)
Collection Date: 3/14/2023 11:15:00 AM
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 | 960 | 50 | * | mg/L | 100 | 3/15/2023 10:15:18 PM | R95304 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 3/15/2023 10:02:54 PM | R95304 |
| Nitrogen, Nitrate (As N) | 2.4 | 1.0 | | mg/L | 10 | 3/15/2023 10:02:54 PM | R95304 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: RBC |
| Total Dissolved Solids | 3340 | 100 | *HD | mg/L | 1 | 4/20/2023 4:21:00 PM | 74408 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: DML |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | 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.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303776

Date Reported: 4/24/2023

CLIENT: EA Engineering Alb
Project: Mountain View Dairy LLC
Lab ID: 2303776-003

Client Sample ID: LRG-00952(Dairy Parlor)
Collection Date: 3/14/2023 12:30:00 PM
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 | 750 | 50 | * | mg/L | 100 | 3/15/2023 10:40:07 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 10:14:00 AM | 73803 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: DML |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | ND | 0.50 | | | | | | | | |

| Sample ID: LCS | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R95304 | RunNo: 95304 | | | | | | | | |
| Prep Date: | Analysis Date: 3/15/2023 | SeqNo: 3447030 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 | 97.7 | 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 | | | | | | | | |

| 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 | | | |

| Sample ID: MB-74408 | SampType: MBLK | TestCode: SM2540C MOD: Total Dissolved Solids | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 74408 | RunNo: 96194 | | | | | | | | |
| 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303776

RcptNo: 1

Received By: Joseph Alderette 3/15/2023 9:20:00 AM

Completed By: Tracy Casarrubias 3/15/2023 9:52:18 AM

Reviewed By: *TC 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? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? 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
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 3 (2 or >12 unless noted)
 Adjusted? NO
 Checked by WGA 3.15.23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

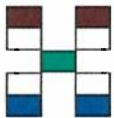
17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.0 | Good | Yes | Yogi | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: *Mountain View Dairy*
 Project #: _____
 Project Manager: Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): *1.0 - 0 = 1.0°C* ^{log}

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|------|-------|--------|--------------------------|----------------------|-------------------|----------|
| 3-14 | 10:26 | GW | LRG-457-(Pivot) | 2 | | 001 |
| 3-14 | 11:15 | GW | LRG-457-S (Flood) | 2 | | 002 |
| 3-14 | 12:30 | GW | LRG-00952 (Dairy Parlor) | 2 | | 003 |
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| Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Date: 3-14 Time: 17:50 Relinquished by: *Oliver*
 Received by: *[Signature]* Via: *Fedex* Date: 3-15-23 Time: 9:20
 Relinquished by: _____ Received by: _____ Via: _____ Date: _____ Time: _____

Remarks:

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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302B52

Date Reported: 3/3/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302B52

Date Reported: 3/3/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **2302B52**

Date Reported: **3/3/2023**

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 | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 2520 | 100 | *D | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R94939 | RunNo: 94939 | | | | | | | | |
| Prep Date: | Analysis Date: 2/28/2023 | SeqNo: 3432297 | | | 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 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

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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 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

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2302B52

RcptNo: 1

Received By: Joseph Alderette 2/28/2023 8:35:00 AM

Completed By: Desiree Dominguez 2/28/2023 8:49:33 AM

Reviewed By: *KPA 2-28-23*

JA

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? 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

11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 3
 (or >12 unless noted)
 Adjusted? NO
 Checked by: *JA 2-28-23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 4.6 | Good | Not Present | Yogi | | |

Chain-of-Custody Record

Client:
EA Engineering, Science, and Technology
Mailing Address:
320 Gold Ave SW Suite
Phone #: 505-715-4279
email or Fax#: rmullen@eaest.com
QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
Project Name:
Del Oro Dairy
Project #:
Project Manager:
Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Sampler: Angel N. Rivera
On Ice: Yes No
of Coolers: 1
Cooler Temp (including CF): $4.5 + 0.1 = 4.6^{\circ}\text{C}$

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|------|-------|--------|-------------|----------------------|-------------------|----------|
| 2-27 | 11:35 | GW | EW-04 | 2 | | -001 |
| 2-27 | 13:02 | GW | 692-02 | 2 | | -002 |
| 2-27 | 14:08 | GW | FW-03 | 2 | | -003 |
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| Analysis Request | | | | | | | | | | |
|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|
| Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | |
| X | X | X | X | X | | | | | | |
| X | X | X | X | X | | | | | | |
| X | X | X | X | X | | | | | | |
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|------------|-------------|---------------------------------|---------------------------------|------------|---------------|------------|
| Date: 2-27 | Time: 17:25 | Relinquished by: <i>Chalson</i> | Received by: <i>[Signature]</i> | Via: FedEx | Date: 2-28-23 | Time: 8:35 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date: | Time: |

Remarks:

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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303852

Date Reported: 3/30/2023

CLIENT: EA Engineering

Client Sample ID: EW-05

Project: Del Oro Dairy

Collection Date: 3/15/2023 4:05:00 PM

Lab ID: 2303852-001

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 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303852

Date Reported: 3/30/2023

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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | | | | | | | | |
|--------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| 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 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: LCS | SampType: lcs | 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 | | | | | | | |
| 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) | 0.96 | 0.10 | 1.000 | 0 | 96.3 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 100 | 90 | 110 | | | |
| Sulfate | 9.6 | 0.50 | 10.00 | 0 | 96.0 | 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 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | 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 | 84.9 | 110 | | | |

| Sample ID: 2303852-001AMSD | SampType: msd | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|--------|----------|------|
| Client ID: EW-05 | Batch ID: R95353 | RunNo: 95353 | | | | | | | | |
| Prep Date: | Analysis Date: 3/16/2023 | SeqNo: 3449089 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Nitrite (As N) | 8.3 | 1.0 | 10.00 | 0 | 82.8 | 81 | 110 | 0.788 | 20 | |
| Nitrogen, Nitrate (As N) | 40 | 1.0 | 25.00 | 14.63 | 102 | 87.7 | 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 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

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 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

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303852

RcptNo: 1

Received By: Sean Livingston 3/16/2023 8:40:00 AM

Completed By: Desiree Dominguez 3/16/2023 9:56:50 AM

Reviewed By: *JL* 3-16-23

Sean Livingston
DD

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

Samples not frozen

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

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

11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 2
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: *WJ* 3-16-2023

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

Cooler Information

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

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Del Oro Dairy
 Project #:
 Project Manager: Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): -2.2 + 0.2 = -1.5°C

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2303852 | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | |
|------|-------|--------|-------------|----------------------|-------------------|---------------------|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | | | | |
| 3-15 | 16:05 | GW | EW-05 | 2 | | -001 | X | X | X | X | X | | | | | | | | | | |
| 3-15 | 16:45 | GW | LRG-5820 | 2 | | | X | X | X | X | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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Date: 3-15 Time: 17:55 Relinquished by: *Ohl m*

Received by: *SJC* Via: Fedex Date Time: 3/10/03 8:40

Remarks:

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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303108

Date Reported: 3/21/2023

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 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303108

Date Reported: 3/21/2023

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 | Batch |
|--|--------|------|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: NAI |
| Chloride | 820 | 50 | * | mg/L | 100 | 3/3/2023 12:35:54 AM | A95004 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 3/3/2023 12:23:29 AM | A95004 |
| Nitrogen, Nitrate (As N) | 130 | 10 | * | mg/L | 100 | 3/3/2023 12:35:54 AM | A95004 |
| Sulfate | 460 | 50 | * | mg/L | 100 | 3/3/2023 12:35:54 AM | A95004 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: DML |
| Total Dissolved Solids | 3400 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303108

Date Reported: 3/21/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303108

Date Reported: 3/21/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | ND | 0.50 | | | | | | | | |

| Sample ID: LCS | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|--------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: A95004 | RunNo: 95004 | | | | | | | | |
| Prep Date: | Analysis Date: 3/2/2023 | SeqNo: 3434903 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 | | | |

Qualifiers:

| | | | |
|-----|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303108

RcptNo: 1

Received By: Desiree Dominguez 3/2/2023 10:00:00 AM

DD

Completed By: Desiree Dominguez 3/2/2023 10:35:47 AM

DD

Reviewed By: *ju 3/2/23*

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 4
 (3 or >12 unless noted)
 Adjusted? NA
 Checked by: TME 3/2/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.4 | Good | Not Present | Morty | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Del Oro Dairy
 Project #:
 Project Manager: Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1 *MORTY*

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. <i>2303108</i> | Analysis Request | | | | | | | | | | | | | | |
|------------|--------------|-----------|---------------|----------------------|-------------------|----------------------------|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|
| | | | | | | | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | |
| <i>3-1</i> | <i>10:05</i> | <i>GW</i> | <i>EW-02</i> | <i>2</i> | | <i>-001</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| <i>3-1</i> | <i>11:16</i> | <i>GW</i> | <i>EW-01</i> | <i>2</i> | | <i>-002</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| <i>3-1</i> | <i>12:55</i> | <i>GW</i> | <i>692-10</i> | <i>2</i> | | <i>-003</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| <i>3-1</i> | <i>16:20</i> | <i>GW</i> | <i>692-08</i> | <i>2</i> | | <i>-004</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |

Date: *3-1* Time: *17:55* Relinquished by: *[Signature]*

Received by: *[Signature]* Via: *Fed Ex* Date: *3/2/23* Time: *10:00*

Remarks:

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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **2303649**

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 | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **2303649**

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 | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **2303649**

Date Reported: 3/23/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303649

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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303649

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: lcs | 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 | Qual |
| 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 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

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303649

RcptNo: 1

Received By: Juan Rojas 3/13/2023 8:20:00 AM *Juan Rojas*

Completed By: Desiree Dominguez 3/13/2023 9:28:46 AM *DD*

Reviewed By: *KPA 3.13.23*

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Approved by client. 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: *4*
 (<2 or >12 unless noted)
 Adjusted? *NO*
 Checked by: *Ju 3/13/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail 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 | 6.5 | Good | Not Present | Morty | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush _____
 Project Name: Dona Ana Dairies (DAD's)
 Project #:
 Project Manager: Gina Mullen
 Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): *6.70-2=6.5*
 HEAL No. *2303649*



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Analysis Request | | | | | | | | | | | | | | | |
|------|-------|--------|-------------|----------------------|-------------------|----------|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|--|
| | | | | | | | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | | |
| 3-10 | 10:53 | Gw | DAD-27 | 2 | | -001 | X | X | X | X | | | | | | | | | | | | |
| 3-10 | 12:44 | Gw | DAD-26 | 2 | | -002 | X | X | X | X | | | | | | | | | | | | |
| 3-10 | 14:50 | Gw | DAD-20 | 2 | | -003 | X | X | X | X | | | | | | | | | | | | |
| 3-10 | 16:15 | Gw | DAD-10 | 2 | | -004 | X | X | X | X | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

Date: *3-10* Time: *17:40* Relinquished by: *[Signature]*
 Received by: *[Signature]* Via: *FedEx* Date: *3/13/23* Time: *7:08:20*
 Date: _____ Time: _____ Relinquished by: _____
 Received by: _____ Via: _____ Date: _____ Time: _____

Remarks:

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 noted 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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303588

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

Lab ID: 2303588-001

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 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303588

Date Reported: 3/22/2023

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 | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303588

Date Reported: 3/22/2023

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.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303588

Date Reported: 3/22/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303588

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.

Qualifiers:

- * Value exceeds Maximum Contaminant 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303588

22-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: R95185 | RunNo: 95185 | | | | | | | | |
| Prep Date: | Analysis Date: 3/10/2023 | SeqNo: 3442467 | | | 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: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R95185 | RunNo: 95185 | | | | | | | | |
| Prep Date: | Analysis Date: 3/10/2023 | SeqNo: 3442468 | | | 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 | SampType: MS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------------|---------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: DAD-25 | Batch ID: R95185 | RunNo: 95185 | | | | | | | | |
| Prep Date: | Analysis Date: 3/10/2023 | SeqNo: 3442477 | | | 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: 2303588-001AMSD | SampType: MSD | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------------|---------------------------------|---|-----------|-------------|--------------------|----------|-----------|-------|----------|------|
| Client ID: DAD-25 | Batch ID: R95185 | RunNo: 95185 | | | | | | | | |
| Prep Date: | Analysis Date: 3/10/2023 | SeqNo: 3442478 | | | 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 | |
| Nitrogen, Nitrate (As N) | 33 | 1.0 | 25.00 | 7.657 | 100 | 87.7 | 111 | 0.561 | 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 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

QC SUMMARY REPORT

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 | SeqNo: 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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: 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 | 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303588

RcptNo: 1

Received By: Desiree Dominguez 3/10/2023 8:30:00 AM

DD

Completed By: Desiree Dominguez 3/10/2023 8:36:59 AM

DD

Reviewed By: *KDL 3-10-23*

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? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? 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
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 5
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: Jm 3/10/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

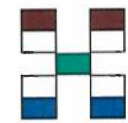
17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.4 | Good | Not Present | Yogi | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Dona Ana Dairies (DAD's)
 Project #:
 Project Manager: Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1 *Y09E*

Cooler Temp (including CF): *0.4 ± 0.0 = 0.4°C*

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. <i>2303588</i> | Analysis Request | | | | | | | | | | | | | | |
|------------|--------------|-----------|---------------|----------------------|-------------------|----------------------------|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|
| | | | | | | | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | |
| <i>3-9</i> | <i>10:51</i> | <i>GW</i> | <i>DAD-25</i> | <i>2</i> | | | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | | |
| <i>3-9</i> | <i>12:46</i> | <i>GW</i> | <i>DAD-07</i> | <i>2</i> | | | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | | |
| <i>3-9</i> | <i>14:55</i> | <i>GW</i> | <i>DAD-21</i> | <i>2</i> | | | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | | |
| <i>3-9</i> | <i>15:58</i> | <i>GW</i> | <i>DAD-09</i> | <i>2</i> | | | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | | |
| <i>3-9</i> | <i>16:40</i> | <i>GW</i> | <i>DAD-22</i> | <i>2</i> | | | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | | |

Date: *3-9* Time: *17:52* Relinquished by: *[Signature]*

Received by: *[Signature]* Via: *Fed Ex* Date: *3/10/23* Time: *8:30*

Remarks:

Date: Time: Relinquished 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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303499

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.

Qualifiers:

- | | | | |
|-----|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303499

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.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303499

Date Reported: 3/22/2023

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 | Qual | 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. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303499

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

Lab ID: 2303499-004

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.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303499

22-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: R95163 | RunNo: 95163 | | | | | | | | |
| Prep Date: | Analysis Date: 3/9/2023 | SeqNo: 3441310 | | | 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: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|--------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R95163 | RunNo: 95163 | | | | | | | | |
| Prep Date: | Analysis Date: 3/9/2023 | SeqNo: 3441311 | | | 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: 2303499-004AMS | SampType: ms | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------------|--------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: DAD-08 | Batch ID: R95163 | RunNo: 95163 | | | | | | | | |
| Prep Date: | Analysis Date: 3/9/2023 | SeqNo: 3441321 | | | 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: 2303499-004AMSD | SampType: msd | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------------|--------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: DAD-08 | Batch ID: R95163 | RunNo: 95163 | | | | | | | | |
| Prep Date: | Analysis Date: 3/9/2023 | SeqNo: 3441322 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Nitrite (As N) | 8.6 | 1.0 | 10.00 | 0 | 85.7 | 81 | 110 | 1.96 | 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 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

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 |
| 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |



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: 2303499

RcptNo: 1

Received By: Desiree Dominguez 3/9/2023 8:45:00 AM

Completed By: Sean Livingston 3/9/2023 9:05:38 AM

Reviewed By: DAD 3/9/23

DL
Sean Livingston

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: 4
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: Sean 3/9/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 7.8 | Good | Not Present | Morty | | |

Sean 3/9/23

Chain-of-Custody Record



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: EA Engineering, Science, and Technology
Mailing Address: 320 Gold Ave SW Suite
Phone #: 505-715-4279
email or Fax#: rmullen@eaest.com
QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
Project Name: Dona Ana Dairies (DAD's)
Project #:
Project Manager: Gina Mullen

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Sampler: Angel N. Rivera
On Ice: Yes No
of Coolers: *Marty*

| Date | Time | Matrix | Sample Name |
|------|-------|--------|-------------|
| 3-8 | 10:12 | Gw | DAD-17 |
| 3-8 | 11:54 | Gw | DAD-05 |
| 3-8 | 13:35 | Gw | DAD-18 |
| 3-8 | 14:40 | Gw | DAD-08 |
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Cooler Temp (including CF): *1.0 - 0.2 = 0.8°C*

| Container Type and # | Preservative Type | HEAL No. |
|----------------------|-------------------|----------|
| 2 | | 2303499 |
| 2 | | 001 |
| 2 | | 002 |
| 2 | | 003 |
| 2 | | 004 |
| | | |
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| Analysis Request | | | | | | | | | | |
|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|
| Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | |
| X | X | X | X | | | | | | | |
| X | X | X | X | | | | | | | |
| X | X | X | X | | | | | | | |
| X | X | X | X | | | | | | | |
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| | | | | | | | | | | |
| | | | | | | | | | | |

Date: 3-8 Time: 1655 Relinquished by: *Olal nd*

Received by: *[Signature]* Via: FedEx Date Time: 3/9/23 8:45

Remarks:

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

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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302830

Date Reported: 2/28/2023

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 | Qual | 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 | 5 | 2/20/2023 7:28:20 PM | R94743 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: KS |
| Total Dissolved Solids | 3500 | 100 | *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 | 2/23/2023 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302830

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: lcs | 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 | RPDLimit | Qual |
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 93.5 | 90 | 110 | | | |
| Nitrate+Nitrite as N | 3.4 | 0.20 | 3.500 | 0 | 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 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

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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: 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-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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2302830

RcptNo: 1

Received By: Tracy Casarrubias 2/18/2023 11:30:00 AM

Completed By: Tracy Casarrubias 2/18/2023 12:00:59 PM

Reviewed By: *cmc* *2/20/23*

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: *JMC 2/18/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|-------|-------|---|
| Person Notified: | _____ | Date: | _____ |
| By Whom: | _____ | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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 | 1.6 | Good | Yes | Morty | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
Mailing Address: 320 Gold Ave SW Suite
Phone #: 505-715-4279
email or Fax#: rmullen@eaest.com
QA/QC Package:
 Standard Level 4 (Full Validation)
Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush _____
Project Name: Dominguez Dairy 1
Project #: _____
Project Manager: Gina Mullen
Sampler: Angel N. Rivera
On Ice: Yes No *marty*
of Coolers: 1
Cooler Temp (including CF): 1.6 - 0 = 1.6 °C



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | | | |
|------------|-------------|------------------------------|-------------|---------------------------|-------------------|----------------|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|----------|--|--|--|
| 2-17 | 11:09 | Gw | 624-11 | 2 | | 2302830 001 | X | X | X | X | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | |
| Date: 2-17 | Time: 17:35 | Relinquished by: <i>Paul</i> | | Received by: <i>Feder</i> | | Date: 2/16/23 | Time: 11:30 | | | | | | | | | | | | | Remarks: | | | |
| Date: | Time: | Relinquished by: | | Received by: | | 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 noted 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 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303014

Date Reported: 3/7/2023

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 | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 1400 | 50.0 | * | mg/L | 1 | 3/3/2023 8:48:00 AM | 73459 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303014

Date Reported: 3/7/2023

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 | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 1560 | 50.0 | * | mg/L | 1 | 3/3/2023 8:48:00 AM | 73459 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303014

Date Reported: 3/7/2023

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 | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 1430 | 100 | *D | mg/L | 1 | 3/3/2023 8:48:00 AM | 73459 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303014

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 | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 1560 | 100 | *D | mg/L | 1 | 3/3/2023 8:48:00 AM | 73459 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | RunNo: 94971 | | | | | | | | |
| Prep Date: | Analysis Date: 3/1/2023 | SeqNo: 3433671 | 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 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

QC SUMMARY REPORT

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: 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-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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 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
 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: 2303014

RcptNo: 1

Received By: Desiree Dominguez 3/1/2023 9:00:00 AM

DD

Completed By: Desiree Dominguez 3/1/2023 9:54:04 AM

DD

Reviewed By: *Cmc* 3/1/23

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 4
 (<2) or >12 unless noted
 Adjusted? NO
 Checked by: mc 3/1/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.1 | Good | Not Present | Morty | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

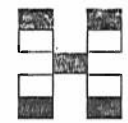
Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush

Project Name: *Del Oro Dairy*
 Project #: _____
 Project Manager: Gina Mullen

Sampler: Angel Nieto Rivera
 On Ice: Yes No
 # of Coolers: *1*
 Cooler Temp (including CF): *0.4 - 0.3 = 0.1*

Container Type and # _____
 Preservative Type _____
 HEAL No. *2303014*



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | |
|------|-------|--------|-------------|----------------------|-------------------|----------|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|
| 2-28 | 10:48 | GW | 692-09 | 2 | | -001 | X | X | X | X | X | | | | | | | | |
| 2-28 | 12:28 | GW | 692-05 | 2 | | -002 | X | X | X | X | X | | | | | | | | |
| 2-28 | 13:57 | GW | 692-06 | 2 | | -003 | X | X | X | X | X | | | | | | | | |
| 2-28 | 15:40 | GW | 692-07 | 2 | | -004 | X | X | X | X | X | | | | | | | | |
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Date: 2-28 Time: 17:40 Relinquished by: *[Signature]*
 Received by: *[Signature]* Via: Fed Ex Date Time: 3/1/23 9:00

Date: _____ Time: _____ Relinquished by: _____
 Received by: _____ Via: _____ Date Time: _____

Remarks: _____

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

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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302944

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 | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302944

Date Reported: 3/1/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302944

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 | 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: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R94816 | RunNo: 94816 | | | | | | | | |
| Prep Date: | Analysis Date: 2/22/2023 | SeqNo: 3426878 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 | 93.2 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.96 | 0.10 | 1.000 | 0 | 95.6 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 98.2 | 90 | 110 | | | |
| Sulfate | 9.4 | 0.50 | 10.00 | 0 | 94.5 | 90 | 110 | | | |

| 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 | | | | | | | | |
| 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 | 87.5 | 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 | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|--------------------------|-----|-----|-------|-------|------|------|-----|--------|----|--|
| Nitrogen, Nitrite (As N) | 8.8 | 1.0 | 10.00 | 0 | 87.6 | 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 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

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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: 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-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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Client Name: EA Engineering

Work Order Number: 2302944

RcptNo: 1

Received By: **Juan Rojas** 2/22/2023 8:50:00 AM *Juan Rojas*

Completed By: **Sean Livingston** 2/22/2023 9:14:05 AM *Sean Livingston*

Reviewed By: *JA 2-22-23*

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? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? 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

11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 2
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: Ju 2/22/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

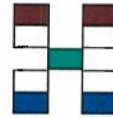
| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.2 | Good | Not Present | YOGI | | |

Chain-of-Custody Record



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush
 Project Name: Big Sky Dairy
 Project #: _____
 Project Manager: Gina Mullen
 Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 2.10, 2.2

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | | | |
|------|-------|--------|-------------|----------------------|-------------------|-------------|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|--|--|
| 2-21 | 14:37 | GW | 833-06 | 2 | | 2302944 001 | X | X | X | X | X | | | | | | | | | | | | |
| 2-21 | 16:15 | GW | 833-04 | 2 | | 002 | X | X | X | X | X | | | | | | | | | | | | |
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|------------|-------------|----------------------------------|---------------------------------|--------------------|---------------|------------|----------|
| Date: 2-21 | Time: 17:51 | Relinquished by: <i>Olal nrc</i> | Received by: <i>[Signature]</i> | Via: <i>Feeder</i> | Date: 2/22/23 | Time: 9:50 | Remarks: |
| Date: | Time: | Relinquished 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 noted 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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302829

Date Reported: 3/1/2023

CLIENT: EA Engineering Alb

Client Sample ID: 74-03

Project: Buena Vista Dairy II

Collection Date: 2/17/2023 12:51:00 PM

Lab ID: 2302829-001

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 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302829

Date Reported: 3/1/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302829

Date Reported: 3/1/2023

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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302829

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: lcs | 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 | RPDLimit | Qual |
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 93.5 | 90 | 110 | | | |
| Nitrate+Nitrite as N | 3.4 | 0.20 | 3.500 | 0 | 97.7 | 90 | 110 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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: 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-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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |



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: 2302829

RcptNo: 1

Received By: Tracy Casarrubias 2/18/2023 11:30:00 AM

Completed By: Tracy Casarrubias 2/18/2023 11:51:02 AM

Reviewed By: *CMC* 2/20/23

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? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? 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
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 3
 (~~2~~ or >12 unless noted)
 Adjusted? NO
 Checked by: TMC 2/18/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

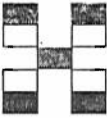
17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.6 | Good | Yes | Morty | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush
 Project Name: Buena Vista Dairy II
 Project #:
 Project Manager: Gina Mullen
 Sampler: Angel Nieto Rivera
 On Ice: Yes No *Morty*
 # of Coolers: 1
 Cooler Temp (including CF): 16-18 = 1.6 °C



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | |
|------|-------|--------|-------------|----------------------|-------------------|----------------|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|
| 2-17 | 12:51 | GW | 74-03 | 2 | | 2302829 001 | X | X | X | X | | | | | | | | | |
| 2-17 | 14:36 | GW | 74-02 | 2 | | 002 | X | X | X | X | | | | | | | | | |
| 2-17 | 16:38 | GW | 74-01 | 2 | | 003 | X | X | X | X | | | | | | | | | |

Date: 2-17 Time: 17:35 Relinquished by: *Chad W...*
 Received by: *[Signature]* Via: *FedEx* Date: 2/18/23 Time: 11:30

Remarks:

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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302942

Date Reported: 3/1/2023

CLIENT: EA Engineering Alb

Client Sample ID: 74-04

Project: Buena Vista Dairy 2

Collection Date: 2/21/2023 10:52:00 AM

Lab ID: 2302942-001

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302942

Date Reported: 3/1/2023

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 | Qual | 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 | | mg/L | 10 | 2/22/2023 11:25:20 PM | R94816 |
| Nitrogen, Nitrate (As N) | 15 | 1.0 | * | mg/L | 10 | 2/22/2023 11:25:20 PM | R94816 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: KS |
| Total Dissolved Solids | 2240 | 50.0 | * | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | 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: R94816 | RunNo: 94816 | | | | | | | | |
| Prep Date: | Analysis Date: 2/22/2023 | SeqNo: 3426878 | | | 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 | 93.2 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.96 | 0.10 | 1.000 | 0 | 95.6 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 98.2 | 90 | 110 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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: 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 | | | |

| 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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: 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-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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2302942

RcptNo: 1

Received By: **Juan Rojas** 2/22/2023 8:50:00 AM *Juan Rojas*

Completed By: **Sean Livingston** 2/22/2023 9:04:34 AM *Sean Livingston*

Reviewed By: *JL 2-22-23*

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked 2
 for pH: (2) or >12 unless noted
 Adjusted? NO
 Checked by: JL 2/22/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.2 | Good | Not Present | YOGI | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush _____

Project Name: Buena Vista Dairy 2

Project #: _____

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): $2.1 + 0.1 = 2.2$



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|------|-------|--------|-------------|----------------------|-------------------|----------|
| 2-21 | 10:52 | GW | 74-04 | 2 | | 001 |
| 2-21 | 12:55 | GW | 74-05 | 2 | | 002 |
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| Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | | | | | | |
|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| X | X | X | X | | | | | | | | | | | | | | | | |
| X | X | X | X | | | | | | | | | | | | | | | | |
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Date: 2-21 Time: 11:51 Relinquished by: [Signature]

Received by: [Signature] Via: _____ Date: 2/22/23 Time: 8:50

Date: _____ Time: _____ Relinquished by: _____

Received by: _____ Via: _____ Date: _____ Time: _____

Remarks: _____

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 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303301

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

Lab ID: 2303301-001

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303301

Date Reported: 3/14/2023

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 | RL | Qual | Units | DF | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303301

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 | Qual | Units | DF | Date Analyzed |
|--|--------|-----|------|-------|-----|----------------------|
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | 410 | 50 | * | mg/L | 100 | 3/7/2023 9:46:17 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 3/7/2023 9:33:53 PM |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 3/7/2023 9:33:53 PM |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | Analyst: DML |
| Total Dissolved Solids | 1910 | 100 | *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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | | | | | | | | |
|--------------------------|--------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R95097 | RunNo: 95097 | | | | | | | | |
| 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 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|--------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R95097 | RunNo: 95097 | | | | | | | | |
| Prep Date: | Analysis Date: 3/7/2023 | SeqNo: 3439192 | | | 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 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant 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

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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 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



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: *KPK 3.7.23*

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0° C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels?
(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? Yes No
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: 3
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: JW 3/7/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.8 | Good | Not Present | Morty | | |



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303420

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 | Units | 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.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303420

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 | Qual | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303420

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 | Date Analyzed |
|--|--------|------|------|-------|-----|-----------------------|
| 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

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 | 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: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R95133 | RunNo: 95133 | | | | | | | | |
| Prep Date: | Analysis Date: 3/8/2023 | SeqNo: 3440305 | 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 | | | |
| Nitrogen, Nitrite (As N) | 0.96 | 0.10 | 1.000 | 0 | 96.2 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 99.1 | 90 | 110 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 | SeqNo: 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 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

QC SUMMARY REPORT

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 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
 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: 2303420

RcptNo: 1

Received By: Desiree Dominguez 3/8/2023 8:45:00 AM *DD*

Completed By: Desiree Dominguez 3/8/2023 10:43:10 AM *DD*

Reviewed By: *TMC* 3/8/23

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels?
(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? Yes No
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: 3
 (2 or >12 unless noted)
 Adjusted? NO
 Checked by: *J 3-8-23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.0 | Good | Not Present | Yogi | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Dona Ana Dairies (DAD's)
 Project #:
 Project Manager: Gina Mullen

Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Sampler: Angel N. Rivera
 On Ice: Yes No *YOGI*
 # of Coolers: ①

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. <i>2303420</i> |
|------------|--------------|-----------|----------------|----------------------|-------------------|----------------------------|
| <i>3-7</i> | <i>10:45</i> | <i>GW</i> | <i>DAD-06R</i> | <i>2</i> | | <i>-001</i> |
| <i>3-7</i> | <i>13:20</i> | <i>GW</i> | <i>DAD-24</i> | <i>2</i> | | <i>-002</i> |
| <i>3-7</i> | <i>15:00</i> | <i>GW</i> | <i>DAD-19</i> | <i>2</i> | | <i>-003</i> |
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Cooler Temp (including CF): *3.1 - 0.1 = 3.0°C*



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

| Analysis Request | | | | | | | | | | |
|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|
| Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | |
| <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | |
| <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | |
| <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | |
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Date: *3-7* Time: *17:25* Relinquished by: *[Signature]*
 Received by: *[Signature]* Via: *Fed Ex* Date: *3/8/23* Time: *8:45*

Remarks:

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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303190

Date Reported: 3/21/2023

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 | Units | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303190

Date Reported: 3/21/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303190

Date Reported: 3/21/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303190

Date Reported: 3/21/2023

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. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303190

21-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: R95027 | RunNo: 95027 | | | | | | | | |
| Prep Date: | Analysis Date: 3/3/2023 | SeqNo: 3435953 | 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: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R95027 | RunNo: 95027 | | | | | | | | |
| Prep Date: | Analysis Date: 3/3/2023 | SeqNo: 3435954 | 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 | 93.7 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.97 | 0.10 | 1.000 | 0 | 97.1 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 99.0 | 90 | 110 | | | |

| Sample ID: MB | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R95027 | RunNo: 95027 | | | | | | | | |
| Prep Date: | Analysis Date: 3/4/2023 | SeqNo: 3436026 | 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: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R95027 | RunNo: 95027 | | | | | | | | |
| Prep Date: | Analysis Date: 3/4/2023 | SeqNo: 3436027 | 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 | 96.0 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.4 | 0.10 | 2.500 | 0 | 97.8 | 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 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

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303190

RcptNo: 1

Received By: Sean Livingston 3/3/2023 10:05:00 AM

Sean Livingston

Completed By: Sean Livingston 3/3/2023 10:42:18 AM

Sean Livingston

Reviewed By: TML 3/3/23

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? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? 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

11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 4
 (≤2 or >12 unless noted)
 Adjusted? NO
 Checked by: DAD 3/3/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|-------|-------|---|
| Person Notified: | _____ | Date: | _____ |
| By Whom: | _____ | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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 | 0.4 | Good | Not Present | YOGI | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Dona Ana Dairies (DAD's)
 Project #:
 Project Manager: Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|------|-------|--------|-------------|----------------------|-------------------|----------|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|
| | | | | | | 2303190 | | | | | | | |
| 3-2 | 10:40 | GW | DAD-01 | 2 | | 001 | X | X | X | X | | | |
| 3-2 | 12:20 | GW | DAD-13 | 2 | | 002 | X | X | X | X | | | |
| 3-2 | 14:27 | GW | DAD-12 | 2 | | 003 | X | X | X | X | | | |
| 3-2 | 15:50 | GW | DAD-14 | 2 | | 004 | X | X | X | X | | | |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |

Date: 3-2 Time: 17:45 Relinquished by: *[Signature]*
 Received by: *[Signature]* Via: *Fedex* Date: 3/3/23 Time: 10:05

Remarks:

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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303108

Date Reported: 3/21/2023

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 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303108

Date Reported: 3/21/2023

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 | Batch |
|--|--------|------|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: NAI |
| Chloride | 820 | 50 | * | mg/L | 100 | 3/3/2023 12:35:54 AM | A95004 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 3/3/2023 12:23:29 AM | A95004 |
| Nitrogen, Nitrate (As N) | 130 | 10 | * | mg/L | 100 | 3/3/2023 12:35:54 AM | A95004 |
| Sulfate | 460 | 50 | * | mg/L | 100 | 3/3/2023 12:35:54 AM | A95004 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: DML |
| Total Dissolved Solids | 3400 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303108

Date Reported: 3/21/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303108

Date Reported: 3/21/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | ND | 0.50 | | | | | | | | |

| Sample ID: LCS | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: A95004 | RunNo: 95004 | | | | | | | | |
| Prep Date: | Analysis Date: 3/2/2023 | SeqNo: 3434903 | 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 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2303108

RcptNo: 1

Received By: Desiree Dominguez 3/2/2023 10:00:00 AM

DD

Completed By: Desiree Dominguez 3/2/2023 10:35:47 AM

DD

Reviewed By: *ju 3/2/23*

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels?
 (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? Yes No
14. Were all holding times able to be met?
 (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: 4
 (3 or >12 unless noted)
 Adjusted? NA
 Checked by: TME 3/2/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.4 | Good | Not Present | Morty | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Del Oro Dairy
 Project #:
 Project Manager: Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1 *MORTY*

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. <i>2303108</i> | Analysis Request | | | | | | | | | | | | | | |
|------------|--------------|-----------|---------------|----------------------|-------------------|----------------------------|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|
| | | | | | | | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | |
| <i>3-1</i> | <i>10:05</i> | <i>GW</i> | <i>EW-02</i> | <i>2</i> | | <i>-001</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| <i>3-1</i> | <i>11:16</i> | <i>GW</i> | <i>EW-01</i> | <i>2</i> | | <i>-002</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| <i>3-1</i> | <i>12:55</i> | <i>GW</i> | <i>692-10</i> | <i>2</i> | | <i>-003</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| <i>3-1</i> | <i>16:20</i> | <i>GW</i> | <i>692-08</i> | <i>2</i> | | <i>-004</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |

Date: *3-1* Time: *17:55* Relinquished by: *[Signature]*
 Received by: *[Signature]* Via: *Fed Ex* Date: *3/2/23* Time: *10:00*

Remarks:

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

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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302453

Date Reported: 2/16/2023

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 Analyzed | 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 1:15:00 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302453

Date Reported: 2/16/2023

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 | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|------|------|-------|-----|-----------------------|---------------------|
| 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302453

Date Reported: 2/16/2023

CLIENT: EA Engineering Alb

Client Sample ID: 340-01

Project: Bright Star Dairy

Collection Date: 2/8/2023 3:05:00 PM

Lab ID: 2302453-003

Matrix: GROUNDWA

Received 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302453

16-Feb-23

Client: EA Engineering Alb

Project: Bright Star Dairy

| Sample ID: MB | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R94535 | RunNo: 94535 | | | | | | | | |
| Prep Date: | Analysis Date: 2/9/2023 | SeqNo: 3416963 | 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: R94535 | RunNo: 94535 | | | | | | | | |
| Prep Date: | Analysis Date: 2/9/2023 | SeqNo: 3416964 | 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 | 99.9 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 103 | 90 | 110 | | | |
| Sulfate | 9.9 | 0.50 | 10.00 | 0 | 99.0 | 90 | 110 | | | |

| Sample ID: LCS | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: A94607 | RunNo: 94607 | | | | | | | | |
| Prep Date: | Analysis Date: 2/14/2023 | SeqNo: 3419986 | 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 | | | |

| Sample ID: MB | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: A94607 | RunNo: 94607 | | | | | | | | |
| Prep Date: | Analysis Date: 2/14/2023 | SeqNo: 3419987 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 0.50 | | | | | | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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

| Sample ID: 2302453-001AMS | SampType: MS | TestCode: SM 4500 Norg C: TKN | | | | | | | | |
|----------------------------------|---------------------------------|--------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: 86/340-01 | Batch ID: 73152 | RunNo: 94594 | | | | | | | | |
| Prep Date: 2/13/2023 | Analysis Date: 2/14/2023 | SeqNo: 3419473 | 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 | 0.5600 | 93.8 | 75 | 125 | | | |

| Sample ID: 2302453-001AMSD | SampType: MSD | TestCode: SM 4500 Norg C: TKN | | | | | | | | |
|-----------------------------------|---------------------------------|--------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: 86/340-01 | Batch ID: 73152 | RunNo: 94594 | | | | | | | | |
| Prep Date: 2/13/2023 | Analysis Date: 2/14/2023 | SeqNo: 3419474 | 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 | 0.5600 | 93.8 | 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 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

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

DD

Completed By: Desiree Dominguez 2/9/2023 10:40:25 AM

DD

Reviewed By: *jn 2/9/23*

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 3
 (~~2~~ or >12 unless noted)
 Adjusted? No
 Checked by: *JN 2-9-23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

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 | Yogi | | |

Chain-of-Custody Record

Client: _____

EA Engineering, Science, and Technology
Mailing Address: _____

320 Gold Ave SW Suite
Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush

Project Name:
Bright Star Dairy

Project #:

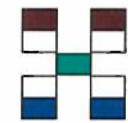
Project Manager:
Gina Mullen

Sampler: Angel N. Rivera
On Ice: Yes No

of Coolers: ① *YDGI*
Cooler Temp (including CF): $1.2 + 0.2 = 1.4^{\circ}\text{C}$

| Container Type and # | Preservative Type | HEAL No. |
|----------------------|-------------------|----------------|
| | | <i>2302453</i> |

| Date | Time | Matrix | Sample Name |
|------------|--------------|-----------|---------------------|
| <i>2-8</i> | <i>11:05</i> | <i>GW</i> | <i>86/340-01</i> |
| <i>2-8</i> | <i>12:55</i> | <i>GW</i> | <i>70/86/340-01</i> |
| <i>2-8</i> | <i>15:05</i> | <i>GW</i> | <i>340-01</i> |
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HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | | | | | |
|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|
| <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | | | | | |
| <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | | | | | |
| <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | | | | | |
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|------------------|--------------------|-------------------------------------|---------------------------------|-------------------|---------------------|-------------------|
| Date: <i>2-8</i> | Time: <i>18:00</i> | Relinquished by: <i>[Signature]</i> | Received by: <i>[Signature]</i> | Via: <i>FedEx</i> | Date: <i>2/9/23</i> | Time: <i>9:20</i> |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date: | Time: |

Remarks: _____

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

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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **2301501**

Date Reported: 1/20/2023

CLIENT: Glorieta GeoScience

Client Sample ID: MW 126-13

Project: Organ Dairy

Collection Date: 1/11/2023 9:50:00 AM

Lab ID: 2301501-001

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 | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2301501

Date Reported: 1/20/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: LCS | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: A93930 | RunNo: 93930 | | | | | | | | |
| Prep Date: | Analysis Date: 1/12/2023 | SeqNo: 3391374 | 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 | 92.6 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 98.1 | 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 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

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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 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



Sample Log-In Check List

Client Name: **Glorieta GeoScience**

Work Order Number: **2301501**

RcptNo: **1**

Received By: **Juan Rojas**

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

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 3
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: SA 1/12/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.4 | Good | Not Present | | | |

Chain-of-Custody Record

Client: Glorieta Geoscience

Mailing Address: 1723 2nd St.
Santa Fe, NM, 87505

Phone #: 505 983 5446

email or Fax#: Carver@glorietageo.com

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush _____

Project Name: Organ Dairy

Project #:

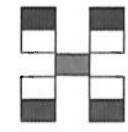
Project Manager: Sam Carver

Sampler: JStar

On Ice: Yes No

of Coolers: 1 409:

Cooler Temp (including CF): 0.3+0.1=0.4 (°C)



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | TDS, Cl, SO ₄ | TKN, NO ₃ |
|-------|------|--------|-------------|----------------------|--------------------------------|----------------|----------------------------|----------------------------|----------------------------|--------------------|--------------------------|---------------|--|------------|-----------------|---------------------------------|--------------------------|----------------------|
| 11/23 | 950 | Aq | MW 126-13 | 2750 ml | H ₂ SO ₄ | 23G1501 001 | | | | | | | | | | | X | X |
| 11/23 | 1150 | Aq | MW 126-12 | ↓ | ↓ | 002 | | | | | | | | | | | X | X |
| | | | | | | | | | | | | | | | | | | |
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Date: 1/12/23 Time: 1250 Relinquished by: [Signature]

Received by: [Signature] Via: _____ Date: 1/12/23 Time: 1250

Remarks:

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

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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302A29

Date Reported: 3/1/2023

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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302A29

Date Reported: 3/1/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302A29

Date Reported: 3/1/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | | | | | | | | |
|--------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | 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 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R94850 | RunNo: 94850 | | | | | | | | |
| Prep Date: | Analysis Date: 2/23/2023 | SeqNo: 3428126 | 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 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

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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: 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-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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |



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: 2302A29

RcptNo: 1

Received By: Tracy Casarrubias 2/23/2023 8:45:00 AM

Completed By: Desiree Dominguez 2/23/2023 10:02:41 AM

Reviewed By: KPC 2.23.23

DD

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 3
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: Jm 2/23/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail 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 | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Big Sky Dairy
 Project #:
 Project Manager: Gina Mullen

Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Sampler: Angel N. Rivera
 On Ice: Yes No *mertry*
 # of Coolers: 1
 Cooler Temp (including CF): *1.3 - 0.1 = 1.2*



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. <i>2302A29</i> | Analysis Request | | | | | | | | | | | | | | |
|-------------|--------------|-----------|---------------|----------------------|-------------------|----------------------------|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|
| | | | | | | | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | |
| <i>2-22</i> | <i>11:33</i> | <i>GW</i> | <i>833-02</i> | <i>2</i> | | <i>-001</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| <i>2-22</i> | <i>13:05</i> | <i>GW</i> | <i>833-08</i> | <i>2</i> | | <i>-002</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| <i>2-22</i> | <i>15:31</i> | <i>GW</i> | <i>833-07</i> | <i>2</i> | | <i>-003</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |

Date: *2-22* Time: *17:10* Relinquished by: *[Signature]*
 Received by: *[Signature]* Date: *2/23/23* Time: *8:45*
 Remarks:

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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302A74

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

Lab ID: 2302A74-001

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302A74

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 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 2302A74
 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 | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 2790 | 100 | *D | mg/L | 1 | 3/2/2023 8:29:00 AM | 73411 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | | | | | | | |
| 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: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R94872 | RunNo: 94872 | | | | | | | | |
| Prep Date: | Analysis Date: 2/24/2023 | SeqNo: 3428753 | 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 | 98.0 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.99 | 0.10 | 1.000 | 0 | 99.4 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 104 | 90 | 110 | | | |
| Sulfate | 9.8 | 0.50 | 10.00 | 0 | 98.0 | 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 | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Nitrite (As N) | 8.5 | 1.0 | 10.00 | 0 | 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 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Nitrite (As N) | 8.5 | 1.0 | 10.00 | 0 | 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 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

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |



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: 2302A74

RcptNo: 1

Received By: Sean Livingston

2/24/2023 8:35:00 AM

Sean Livingston

Completed By: Desiree Dominguez

2/24/2023 9:12:48 AM

DD

Reviewed By:

JN 2/24/23

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels?
(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? Yes No
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: 3
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: KPG 2-24-23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|-------|-------|---|
| Person Notified: | _____ | Date: | _____ |
| By Whom: | _____ | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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 | 1.0 | Good | Not Present | Yogi | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: mullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Big Sky Dairy
 Project #: _____
 Project Manager: Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 1.2-0.2 = 1.0°C

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | |
|------|-------|--------|-------------|----------------------|-------------------|----------|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|
| 2-23 | 11:12 | Gw | 833-05 | 2 | | -001 | X | X | X | X | X | | | | | | | | |
| 2-23 | 12:58 | Gw | 833-09 | 2 | | -002 | X | X | X | X | X | | | | | | | | |
| 2-23 | 14:22 | Gw | 833-10 | 2 | | -003 | X | X | X | X | X | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Date: 2-23 Time: 17:36 Relinquished by: *[Signature]*

Received by: *[Signature]* Via: FedEx Date: 2/24/23 Time: 8:35

Remarks: _____

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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302B52

Date Reported: 3/3/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302B52

Date Reported: 3/3/2023

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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302B52

Date Reported: 3/3/2023

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 | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 2520 | 100 | *D | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R94939 | RunNo: 94939 | | | | | | | | |
| Prep Date: | Analysis Date: 2/28/2023 | SeqNo: 3432297 | | | 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2302B52

RcptNo: 1

Received By: Joseph Alderette 2/28/2023 8:35:00 AM

Completed By: Desiree Dominguez 2/28/2023 8:49:33 AM

Reviewed By: *KPA 2-28-23*

JA

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? 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

11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 3
 (or >12 unless noted)
 Adjusted? NO
 Checked by: *JA 2-28-23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 4.6 | Good | Not Present | Yogi | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other _____

EDD (Type) _____

Turn-Around Time: Standard Rush _____

Project Name: Del Oro Dairy

Project #: _____

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 4.5 + 0.1 = 4.6 °C yogi



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | |
|------|-------|--------|-------------|----------------------|-------------------|----------|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|
| 2-27 | 11:35 | GW | EW-04 | 2 | | -001 | X | X | X | X | X | | | | | | |
| 2-27 | 13:02 | GW | 692-02 | 2 | | -002 | X | X | X | X | X | | | | | | |
| 2-27 | 14:08 | GW | FW-03 | 2 | | -003 | X | X | X | X | X | | | | | | |
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|-------------------|--------------------|--|--|-------------------|----------------------|-------------------|----------|
| Date: <u>2-27</u> | Time: <u>17:25</u> | Relinquished by: <u><i>[Signature]</i></u> | Received by: <u><i>[Signature]</i></u> | Via: <u>Fedex</u> | Date: <u>2-28-23</u> | Time: <u>8:35</u> | Remarks: |
| Date: | Time: | Relinquished 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 noted 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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **2302B07**

Date Reported: **3/3/2023**

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 | RL | 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: 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302B07

Date Reported: 3/3/2023

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 | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|------|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **2302B07**

Date Reported: **3/3/2023**

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 | Date Analyzed | Batch |
|--|--------|-----|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302B07

03-Mar-23

Client: EA Engineering

Project: Sunset Dairy

| Sample ID: MB | SampType: mblk | 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 |

| | | | | | | | | | | |
|----------------------|----|------|--|--|--|--|--|--|--|--|
| Chloride | ND | 0.50 | | | | | | | | |
| Sulfate | 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: 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
- 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

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 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
 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: 2302B07

RcptNo: 1

Received By: Tracy Casarrubias 2/25/2023 11:33:00 AM

Completed By: Tracy Casarrubias 2/25/2023 11:40:49 AM

Reviewed By: DAD 2/27/24

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No Samples not Frozen
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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 3
 (2 or >12 unless noted)
 Adjusted? No
 Checked by: TMC 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 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 | -0.3 | Good | Not Present | Yogi | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Sunset Dairy
 Project #: _____
 Project Manager: Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Sampler: Angel N. Rivera
 On Ice: Yes No (mg)
 # of Coolers: 1
 Cooler Temp (including CF): 0.3 - 0 = 0.3°C

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | |
|------|-------|--------|-------------|----------------------|-------------------|----------|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|
| 2-24 | 11:52 | GW | 257-01 | 2 | | 001 | X | X | X | X | X | | | | | | | | |
| 2-24 | 12:48 | GW | 257-02 | 2 | | 002 | X | X | X | X | X | | | | | | | | |
| 2-24 | 14:56 | GW | MW-4 | 2 | | 003 | X | X | X | X | X | | | | | | | | |
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Date: 2-24 Time: 17:00 Relinquished by: *Chad*
 Received by: *Patricia* Date: 2/25/23 Time: 11:33
 Received by: _____ Date: _____ Time: _____

Remarks:

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

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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302694

Date Reported: 2/23/2023

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 | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|------|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 1370 | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302694

Date Reported: 2/23/2023

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 | RL | Qual | Units | DF | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302694

Date Reported: 2/23/2023

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 | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|------|------|-------|-----|----------------------|---------------------|
| 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302694

23-Feb-23

Client: EA Engineering Alb

Project: Dominguez Dairy 2

| Sample ID: MB | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R94638 | RunNo: 94638 | | | | | | | | |
| 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 | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R94638 | RunNo: 94638 | | | | | | | | |
| Prep Date: | Analysis Date: 2/15/2023 | SeqNo: 3421403 | 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 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant 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

QC SUMMARY REPORT

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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 |
| 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 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

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: *see 2/15/23*

KJ
DD

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 3
 (or >12 unless noted)

Adjusted? NO

Checked by: *[Signature]* 2-15-23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail 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 | 0.9 | Good | Not Present | Yogi | | |

Chain-of-Custody Record



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other _____

EDD (Type) _____

Turn-Around Time:

Standard Rush _____

Project Name:

Dominguez Dairy 2

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: Yes No

of Coolers: 1 *1061*

Cooler Temp (including CF): *11 - 0.2 = 0.9*

Container Type and #

Preservative Type

HEAL No.
2302694

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|------|-------|--------|-------------|----------------------|-------------------|----------|
| 2-14 | 11:46 | GW | 42-11 | 2 | | -001 |
| 2-14 | 13:15 | GW | 42-12 | 2 | | -002 |
| 2-14 | 15:45 | GW | 42-10 | 2 | | -003 |
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| Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | | | |
|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|--|--|
| X | X | X | X | | | | | | | | | | | | | |
| X | X | X | X | | | | | | | | | | | | | |
| X | X | X | X | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |

Date: 2-14 Time: 17:30 Relinquished by: *Chal* Received by: *[Signature]* Via: *Fedex* Date: 2-15-23 Time: 8:50

Date: _____ Time: _____ Relinquished by: _____ Received by: _____ Via: _____ Date: _____ Time: _____

Remarks:

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: 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302790

Date Reported: 3/1/2023

CLIENT: EA Engineering Alb

Client Sample ID: 624-09

Project: Dominguez Dairy 1

Collection Date: 2/16/2023 10:12:00 AM

Lab ID: 2302790-001

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 | | | | | | | Analyst: 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: DML |
| Total Dissolved Solids | 1050 | 250 | *D | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302790

Date Reported: 3/1/2023

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 | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 2860 | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302790

Date Reported: 3/1/2023

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 | Batch |
|--|--------|------|------|-------|-----|----------------------|---------------------|
| 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302790

Date Reported: 3/1/2023

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 | Date Analyzed | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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

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 | | | | | | | | |
| 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 97.1 90 110

Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 102 90 110

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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: 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-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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |



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: 2302790

RcptNo: 1

Received By: Tracy Casarrubias 2/17/2023 8:30:00 AM

Completed By: Tracy Casarrubias 2/17/2023 10:06:55 AM

Reviewed By: TME 2/17/23

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 4
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: JWA 2/17/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

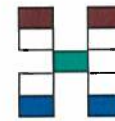
17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.4 | Good | Not Present | Morty | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Dominguez Dairy 1
 Project #:
 Project Manager: Gina Mullen



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Sampler: Angel N. Rivera
 On Ice: Yes No *matr*
 # of Coolers: 1
 Cooler Temp (including CF): $2.3 + 0.1 = 2.4$

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | |
|------|-------|--------|-------------|----------------------|-------------------|----------------|---------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|
| 2-16 | 10:12 | GW | 624-09 | 2 | | 2302790 001 | X | X | X | X | | | | | | | | | | | |
| 2-16 | 12:30 | GW | 624-10 | 2 | | 002 | X | X | X | X | | | | | | | | | | | |
| 2-16 | 14:17 | GW | 624-01 | 2 | | 003 | X | X | X | X | | | | | | | | | | | |
| 2-16 | 15:40 | GW | 624-02 | 2 | | 004 | X | X | X | X | | | | | | | | | | | |

Date: 2-16 Time: 17:40 Relinquished by: *[Signature]*
 Received by: *[Signature]* Via: Fed Ex Date: 2/17/23 Time: 8:30
 Date: Time: Relinquished by: Received by: Via: Date: Time:

Remarks:

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

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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302586

Date Reported: 2/22/2023

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 | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|------|------|-------|-----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 2830 | 20.0 | * | mg/L | 1 | 2/20/2023 4:10:00 PM | 73233 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302586

Date Reported: 2/22/2023

CLIENT: EA Engineering Alb

Client Sample ID: 42-08

Project: Dominguez Dairy 2

Collection Date: 2/13/2023 3:51:00 PM

Lab ID: 2302586-002

Matrix: GROUNDWA

Received Date: 2/14/2023 8:53:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302586

22-Feb-23

Client: EA Engineering Alb
Project: Dominguez Dairy 2

| Sample ID: MB | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R94605 | RunNo: 94605 | | | | | | | | |
| Prep Date: | Analysis Date: 2/14/2023 | SeqNo: 3419852 | | | 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: R94605 | RunNo: 94605 | | | | | | | | |
| Prep Date: | Analysis Date: 2/14/2023 | SeqNo: 3419853 | | | 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 | SampType: ms | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------------|---------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: 42-02 | Batch ID: R94605 | RunNo: 94605 | | | | | | | | |
| Prep Date: | Analysis Date: 2/14/2023 | SeqNo: 3419855 | | | 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 | SampType: msd | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------------|---------------------------------|---|-----------|-------------|--------------------|----------|-----------|-------|----------|------|
| Client ID: 42-02 | Batch ID: R94605 | RunNo: 94605 | | | | | | | | |
| Prep Date: | Analysis Date: 2/14/2023 | SeqNo: 3419856 | | | 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 | |
| Nitrogen, Nitrate (As N) | 34 | 1.0 | 25.00 | 9.173 | 101 | 87.7 | 111 | 0.340 | 20 | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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 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

Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2302586

RcptNo: 1

Received By: Tracy Casarrubias 2/14/2023 8:53:00 AM

Completed By: Tracy Casarrubias 2/14/2023 10:00:30 AM

Reviewed By: *Jm 2/14/23*

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? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels?
(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? Yes No
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: 3
(2 or >12 unless noted)

Adjusted? NO

Checked by: KPC 2.14.23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.3 | Good | Yes | Yogi | | |



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302532

Date Reported: 2/20/2023

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

| Analyses | Result | RL | Qual | 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 | 5 | 2/14/2023 9:40:07 PM | R94607 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: DML |
| Total Dissolved Solids | 3230 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302532

Date Reported: 2/20/2023

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 | Qual | 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 | 5 | 2/14/2023 9:52:58 PM | R94607 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: DML |
| Total Dissolved Solids | 3250 | 20.0 | * | mg/L | 1 | 2/17/2023 9:04:00 AM | 73194 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: EKM |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302532

Date Reported: 2/20/2023

CLIENT: EA Engineering Alb

Client Sample ID: 42-06

Project: Dominguez Dairy 2

Collection Date: 2/10/2023 3:47:00 PM

Lab ID: 2302532-003

Matrix: AQUEOUS

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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302532

20-Feb-23

Client: EA Engineering Alb

Project: Dominguez Dairy 2

| Sample ID: MB | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R94607 | RunNo: 94607 | | | | | | | | |
| Prep Date: | Analysis Date: 2/14/2023 | SeqNo: 3419927 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: R94607 | RunNo: 94607 | | | | | | | | |
| Prep Date: | Analysis Date: 2/14/2023 | SeqNo: 3419928 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 | | | |
| Nitrate+Nitrite as N | 3.4 | 0.20 | 3.500 | 0 | 98.2 | 90 | 110 | | | |

| Sample ID: MB | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R94638 | RunNo: 94638 | | | | | | | | |
| 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 |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

| Sample ID: LCS | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R94638 | RunNo: 94638 | | | | | | | | |
| Prep Date: | Analysis Date: 2/15/2023 | SeqNo: 3421403 Units: mg/L | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | 3.5 | 0.20 | 3.500 | 0 | 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 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

QC SUMMARY REPORT

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 | SeqNo: 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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |



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: 2302532

RcptNo: 1

Received By: Tracy Casarrubias 2/11/2023 9:00:00 AM

Completed By: Tracy Casarrubias 2/11/2023 9:24:07 AM

Reviewed By: *ju 2/13/23*

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? ~~FedEx~~ *UPS* *W 2/14/23*

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No *W 2/14/23*
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: 3
 (2) or >12 unless noted
 Adjusted? NO
 Checked by: TMC 2/11/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks: *-002 sample label has collection date of "2-9" and CAC states "2-10" W 2/14/23*

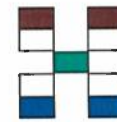
17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.7 | Good | Not Present | Morty | | |

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Dominguez Dairy 2
 Project #:
 Project Manager: Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Sampler: Angel N. Rivera
 On Ice: Yes No *mostly*
 # of Coolers: 1
 Cooler Temp (including CF): 1.9-0.2 = 1.7 °C

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|------|-------|--------|-------------|----------------------|-------------------|----------|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|
| 2-10 | 11:28 | GW | 42-03 | 2 | | 001 | X | X | X | X | | | | | | | | | | |
| 2-10 | 13:35 | GW | 42-13 | 2 | | 002 | X | X | X | X | | | | | | | | | | |
| 2-10 | 15:47 | GW | 42-06 | 2 | | 003 | X | X | X | X | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

Date: 2-10 Time: 17:15 Relinquished by: *[Signature]*
 Received by: *[Signature]* Via: *ups* Date: 2/11/23 Time: 9:00
 Remarks:

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

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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302512

Date Reported: 2/15/2023

CLIENT: EA Engineering Alb

Client Sample ID: 70-03

Project: Mountain View Dairy LLC

Collection Date: 2/9/2023 10:06:00 AM

Lab ID: 2302512-001

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 | | | | | | | Analyst: JTT |
| Chloride | 1800 | 50 | * | mg/L | 100 | 2/10/2023 8:02:19 PM | R94552 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 2/10/2023 7:49:59 PM | R94552 |
| Nitrogen, Nitrate (As N) | 39 | 1.0 | * | mg/L | 10 | 2/10/2023 7:49:59 PM | R94552 |
| Sulfate | 930 | 50 | * | mg/L | 100 | 2/10/2023 8:02:19 PM | R94552 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: DML |
| Total Dissolved Solids | 4140 | 100 | *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 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302512

Date Reported: 2/15/2023

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 | Batch |
|--|--------|------|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JTT |
| Chloride | 720 | 50 | * | mg/L | 100 | 2/10/2023 8:27:00 PM | R94552 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 2/10/2023 8:14:39 PM | R94552 |
| Nitrogen, Nitrate (As N) | 17 | 1.0 | * | mg/L | 10 | 2/10/2023 8:14:39 PM | R94552 |
| Sulfate | 780 | 50 | * | mg/L | 100 | 2/10/2023 8:27:00 PM | R94552 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: DML |
| Total Dissolved Solids | 3160 | 20.0 | * | mg/L | 1 | 2/14/2023 1:15:00 PM | 73158 |
| SM 4500 NORG C: TKN | | | | | | | Analyst: EKM |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302512

Date Reported: 2/15/2023

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 | Date Analyzed | Batch |
|--|--------|------|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JTT |
| Chloride | 920 | 50 | * | mg/L | 100 | 2/10/2023 8:51:41 PM | R94552 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 2/10/2023 8:39:21 PM | R94552 |
| Nitrogen, Nitrate (As N) | 32 | 1.0 | * | mg/L | 10 | 2/10/2023 8:39:21 PM | R94552 |
| Sulfate | 450 | 5.0 | * | mg/L | 10 | 2/10/2023 8:39:21 PM | R94552 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: DML |
| Total Dissolved Solids | 2920 | 20.0 | * | mg/L | 1 | 2/14/2023 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 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302512

Date Reported: 2/15/2023

CLIENT: EA Engineering Alb

Client Sample ID: 70-04

Project: Mountain View Dairy LLC

Collection Date: 2/9/2023 4:08:00 PM

Lab ID: 2302512-004

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 | | | | | | | Analyst: 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 | | | | | | | Analyst: DML |
| Total Dissolved Solids | 3090 | 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 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|--------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R94552 | RunNo: 94552 | | | | | | | | |
| Prep Date: | Analysis Date: 2/10/2023 | SeqNo: 3417564 | 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 | 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 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

QC SUMMARY REPORT

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 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

QC SUMMARY REPORT

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 | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: LCS-73153 | SampType: LCS | TestCode: SM 4500 Norg C: TKN | | | | | | | | |
|-----------------------------|---------------------------------|--------------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 73153 | RunNo: 94580 | | | | | | | | |
| Prep Date: 2/13/2023 | Analysis Date: 2/14/2023 | SeqNo: 3419190 | 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |



Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2302512

RcptNo: 1

Received By: Juan Rojas

2/10/2023 8:45:00 AM

Juan Rojas

Completed By: Tracy Casarrubias

2/10/2023 10:36:10 AM

Reviewed By: *SKC 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

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels?
(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? Yes No
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: 4
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: JR 2/10/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

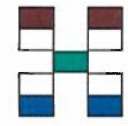
17. Cooler Information

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

Chain-of-Custody Record

Client: EA Engineering, Science, and Technology
 Mailing Address: 320 Gold Ave SW Suite
 Phone #: 505-715-4279
 email or Fax#: rmullen@eaest.com
 QA/QC Package:
 Standard Level 4 (Full Validation)

Turn-Around Time:
 Standard Rush
 Project Name: Mountain View Dairy
 Project #: _____
 Project Manager: Gina Mullen



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Sampler: Angel N. Rivera
 On Ice: Yes No
 # of Coolers: 1 *Marty*

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Analysis Request | | | | | | | | | | | | | | |
|------|-------|--------|-------------|----------------------|-------------------|----------------|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|
| | | | | | | | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | |
| 2-9 | 10:06 | Gw | 70-03 | 2 | | 2302512 001 | X | X | X | X | X | | | | | | | | | | |
| 2-9 | 11:45 | Gw | 70-01 | 2 | | 002 | X | X | X | X | X | | | | | | | | | | |
| 2-9 | 13:40 | Gw | 70-02 | 2 | | 003 | X | X | X | X | X | | | | | | | | | | |
| 2-9 | 16:08 | Gw | 70-04 | 2 | | 004 | X | X | X | X | X | | | | | | | | | | |
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Date: 2-9 Time: 17:45 Relinquished by: *[Signature]*
 Received by: *[Signature]* Via: *[Signature]* Date: 2/10/23 Time: 8:45

Remarks:

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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303779

Date Reported: 3/30/2023

CLIENT: EA Engineering

Client Sample ID: LRG-4001-POD 4

Project: Big Sky Dairy

Collection Date: 3/14/2023 9:30:00 AM

Lab ID: 2303779-001

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: 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 | | | | | | | Analyst: DML |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | 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.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303779

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: lcs | 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 | | | | | |
| 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 | 96.8 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 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 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
 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: JW 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? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? 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
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH:

(1) or >12 unless noted

Adjusted? NO

Checked by: WJ 3.15.23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|-------|-------|---|
| Person Notified: | _____ | Date: | _____ |
| By Whom: | _____ | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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 | 1.0 | Good | Not Present | Yogi | | |

Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type)

Turn-Around Time:

Standard Rush

Project Name:

Big Sky Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 1.0 - 0 = 1.0°C

Container Type and #

Preservative Type

HEAL No.

2303779

Date

Time

Matrix

Sample Name

3-14

9:30

GW

LRG-4001-POD 4

2



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | | | | | | |
|----------------------------------|--------------------|------------------|-------------------|-----------------|----------------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| X | X | | | | | | | | | | | | | | | | | | |

Date:

Time:

Relinquished by:

3-14

17:50

[Signature]

Received by:

Via:

Date

Time

FedEx

3-15-23

9:20

Remarks:

Date:

Time:

Relinquished 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 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303778

Date Reported: 3/28/2023

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 | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: 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 | | | | | | | Analyst: 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303778

Date Reported: 3/28/2023

CLIENT: EA Engineering

Client Sample ID: LRG-3348-5-2(Twin N)

Project: Sunset Dairy

Collection Date: 3/14/2023 9:48:00 AM

Lab ID: 2303778-002

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: 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 | | | | | | | Analyst: 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: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303778

Date Reported: 3/28/2023

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 | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: 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 | | | | | | | Analyst: 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. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303778

28-Mar-23

Client: EA Engineering

Project: Sunset 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 | | | | | |
| 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 | 96.8 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 99.3 | 90 | 110 | | | |

Qualifiers:

| | | | |
|-----|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

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 |
| 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. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

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

Reviewed By: *TC 3/15/23*

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered?

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? 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
11. Does paperwork match bottle labels?
 (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? Yes No
14. Were all holding times able to be met?
 (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: 3
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: KPC 3.15.23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|-------|-------|---|
| Person Notified: | _____ | Date: | _____ |
| By Whom: | _____ | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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 | 1.0 | Good | Not Present | Yogi | | |

