APPENDIX C

ANALYTICAL LABORATORY REPORTS

(Provided Electronically via CD)

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

Generated 9/19/2024 8:13:30 AM

JOB DESCRIPTION

Big Sky Dairy

JOB NUMBER

885-10920-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/19/2024 8:13:30 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975 _

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Client: EA Engineering Project/Site: Big Sky Dairy Laboratory Job ID: 885-10920-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10920-1

Project/Site: Big Sky Dairy

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier **Qualifier Description**

MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit Contains No Free Liquid CNF

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present POI

Practical Quantitation Limit

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: EA Engineering
Project: Big Sky Dairy

Job ID: 885-10920-1 Eurofins Albuquerque

Job Narrative 885-10920-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/30/2024 8:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C.

HPLC/IC

Method 300_OF_48H_PREC: The following samples were diluted due to the nature of the sample matrix: 833-06 (885-10920-1), 833-04 (885-10920-2) and 833-08 (885-10920-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 351.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-11855 and analytical batch 885-12273 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 885-10920-1

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Client: EA Engineering Job ID: 885-10920-1

Project/Site: Big Sky Dairy

Client Sample ID: 833-06 Lab Sample ID: 885-10920-1 Date Collected: 08/29/24 13:52

Matrix: Water

Date Received: 08/30/24 08:35

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	830		50	mg/L			08/30/24 14:38	100
Nitrate	21		1.0	mg/L			08/30/24 14:26	10
Nitrite	ND		1.0	mg/L			08/30/24 14:26	10
Sulfate	450		50	mg/L			08/30/24 14:38	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2800		250	mg/L			09/04/24 09:42	1
Nitrogen, Total Kieldahl (EPA 351,2)	ND	F1	0.50	mg/L		09/09/24 12:19	09/11/24 14:44	1

Client: EA Engineering Job ID: 885-10920-1

Project/Site: Big Sky Dairy

Client Sample ID: 833-04 Lab Sample ID: 885-10920-2

Matrix: Water

Date Collected: 08/29/24 15:20 Date Received: 08/30/24 08:35

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	820		50	mg/L			08/30/24 15:27	100
Nitrate	29		1.0	mg/L			08/30/24 15:15	10
Nitrite	ND		1.0	mg/L			08/30/24 15:15	10
Sulfate	450		50	mg/L			08/30/24 15:27	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2800		250	mg/L			09/04/24 09:42	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/09/24 12:19	09/11/24 14:48	1

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Client: EA Engineering Job ID: 885-10920-1

Project/Site: Big Sky Dairy

Client Sample ID: 833-08 Lab Sample ID: 885-10920-3

Matrix: Water

Date Collected: 08/29/24 16:32 Date Received: 08/30/24 08:35

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	970		50	mg/L			08/30/24 15:52	100
Nitrate	58		1.0	mg/L			08/30/24 15:40	10
Nitrite	ND		1.0	mg/L			08/30/24 15:40	10
Sulfate	480		50	mg/L			08/30/24 15:52	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3300		250	mg/L			09/04/24 09:42	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/09/24 12:19	09/11/24 14:50	1

Client: EA Engineering Project/Site: Big Sky Dairy Job ID: 885-10920-1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11448/21

Matrix: Water

Analysis Batch: 11448

Client Sample ID: Method Blank Prep Type: Total/NA

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			08/30/24 07:55	1
Sulfate	ND		0.50	mg/L			08/30/24 07:55	1

Lab Sample ID: MB 885-11448/83

Matrix: Water

Analysis Batch: 11448

	IVID	MID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			08/30/24 20:48	1
Sulfate	ND		0.50	mg/L			08/30/24 20:48	1

Lab Sample ID: LCS 885-11448/22

Matrix: Water

Analysis Batch: 11448

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.00	4.78		mg/L		96	90 - 110	
Sulfate	10.0	9.56		mg/L		96	90 - 110	

Lab Sample ID: LCS 885-11448/84

Matrix: Water

Analysis Batch: 11448

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.00	4.80		mg/L		96	90 - 110	
Sulfate	10.0	9.60		mg/L		96	90 - 110	

Lab Sample ID: MRL 885-11448/20

Matrix: Water

Analysis Batch: 11448

Allalysis batch. 11440								
	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	0.500	0.512		mg/L		102	50 - 150	
Sulfate	0.500	0.474	J	ma/L		95	50 - 150	

Matrix: Water

Analysis Batch: 11449

Lab Sample ID: MB 885-11449/21 Client Sample ID: Method Blank Prep Type: Total/NA

мв мв Analyte Result Qualifier RLUnit Prepared Analyzed Dil Fac Nitrate ND 0.10 mg/L 08/30/24 07:55 Nitrite ND 0.10 mg/L 08/30/24 07:55

Lab Sample ID: MB 885-11449/83

Matrix: Water

Analysis Batch: 11449

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	mg/L			08/30/24 20:48	1
Nitrite	ND		0.10	mg/L			08/30/24 20:48	1

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Client Sample ID: Lab Control Sample Prep Type: Total/NA

Job ID: 885-10920-1

Prep Type: Total/NA

Prep Batch: 11855

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Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client: EA Engineering Project/Site: Big Sky Dairy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 885-11449/22

Matrix: Water

Analysis Batch: 11449

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Spike LCS LCS %Rec Analyte babbA Result Qualifier Unit %Rec Limits Nitrate 2.50 2.49 mg/L 100 90 - 110 Nitrite 1.00 0.939 mg/L 94 90 - 110

Lab Sample ID: LCS 885-11449/84

Analysis Batch: 11449

Matrix: Water

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	2.50	2.50		mg/L		100	90 - 110	
Nitrite	1.00	0.940		mg/L		94	90 - 110	

Lab Sample ID: MRL 885-11449/20

Matrix: Water

Analysis Batch: 11449

Spike MRL MRL	%Rec
Analyte Added Result Qualifier Unit D %Rec L	Limits
Nitrate 0.100 0.0848 J mg/L 85 5	50 - 150
Nitrite 0.0999 0.104 mg/L 104 5	50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11569/1

Matrix: Water

Analysis Batch: 11569

	MB	MB
Analyte	Result	Qual

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND	50	mg/L			09/04/24 09:42	1

Lab Sample ID: LCS 885-11569/2

Matrix: Water

Analysis Batch: 11569

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	1000	1010		mg/L		101	80 - 120	

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11855/3-A

Matrix: Water

Analysis Batch: 12273

	MB	MB
Analuta	Popult	Out

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		09/09/24 12:19	09/11/24 14:39	1
_								

Lab Sample ID: LCS 885-11855/5-A

Matrix: Water							Prep 7	Type: Total/NA
Analysis Batch: 12273							Prep	Batch: 11855
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	10.0	9.89		mg/L		99	90 - 110	

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QC Sample Results

Client: EA Engineering Job ID: 885-10920-1

Project/Site: Big Sky Dairy

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

ND F1

Nitrogen, Total Kjeldahl

Lab Sample ID: LLCS 885-11855/4-A					Client	Sample	ID: Lab C	ontrol Sample
Matrix: Water							Prep '	Type: Total/NA
Analysis Batch: 12273							Pre	Batch: 11855
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	0.500	ND		mg/L		94	50 - 150	

Lab Sample ID: 885-10920-1 MS								C	Client Sample ID: 833-06
Matrix: Water									Prep Type: Total/NA
Analysis Batch: 12273									Prep Batch: 11855
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits

7.15 F1

mg/L

Lab Sample ID: 885-10920-1 MSD Matrix: Water									•	· Type: Tot	tal/NA
Analysis Batch: 12273 Analyte	•	Sample Qualifier	Spike Added		MSD Qualifier	Unit	n	%Rec	%Rec Limits	Batch:	RPD Limit
Nitrogen, Total Kjeldahl	ND		10.0	7.58		mg/L		76	90 - 110	6	20

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90 - 110

10

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9/19/2024

QC Association Summary

Client: EA Engineering

Job ID: 885-10920-1

Project/Site: Big Sky Dairy

HPLC/IC

Analysis Batch: 11448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10920-1	833-06	Total/NA	Water	300.0	
885-10920-2	833-04	Total/NA	Water	300.0	
885-10920-3	833-08	Total/NA	Water	300.0	
MB 885-11448/21	Method Blank	Total/NA	Water	300.0	
MB 885-11448/83	Method Blank	Total/NA	Water	300.0	
LCS 885-11448/22	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-11448/84	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11448/20	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10920-1	833-06	Total/NA	Water	300.0	
885-10920-2	833-04	Total/NA	Water	300.0	
885-10920-3	833-08	Total/NA	Water	300.0	
MB 885-11449/21	Method Blank	Total/NA	Water	300.0	
MB 885-11449/83	Method Blank	Total/NA	Water	300.0	
LCS 885-11449/22	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-11449/84	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11449/20	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 11569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10920-1	833-06	Total/NA	Water	2540C	
885-10920-2	833-04	Total/NA	Water	2540C	
885-10920-3	833-08	Total/NA	Water	2540C	
MB 885-11569/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11569/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 11855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10920-1	833-06	Total/NA	Water	351.2	
885-10920-2	833-04	Total/NA	Water	351.2	
885-10920-3	833-08	Total/NA	Water	351.2	
MB 885-11855/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11855/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11855/4-A	Lab Control Sample	Total/NA	Water	351.2	
885-10920-1 MS	833-06	Total/NA	Water	351.2	
885-10920-1 MSD	833-06	Total/NA	Water	351.2	

Analysis Batch: 12273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10920-1	833-06	Total/NA	Water	351.2	11855
885-10920-2	833-04	Total/NA	Water	351.2	11855
885-10920-3	833-08	Total/NA	Water	351.2	11855
MB 885-11855/3-A	Method Blank	Total/NA	Water	351.2	11855
LCS 885-11855/5-A	Lab Control Sample	Total/NA	Water	351.2	11855
LLCS 885-11855/4-A	Lab Control Sample	Total/NA	Water	351.2	11855
885-10920-1 MS	833-06	Total/NA	Water	351.2	11855
885-10920-1 MSD	833-06	Total/NA	Water	351.2	11855

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9/19/2024

Lab Chronicle

Client: EA Engineering Job ID: 885-10920-1

Project/Site: Big Sky Dairy

Client Sample ID: 833-06

Date Collected: 08/29/24 13:52 Date Received: 08/30/24 08:35 Lab Sample ID: 885-10920-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11449	RC	EET ALB	08/30/24 14:26
Total/NA	Analysis	300.0		100	11448	RC	EET ALB	08/30/24 14:38
Total/NA	Analysis	2540C		1	11569	ES	EET ALB	09/04/24 09:42
Total/NA	Prep	351.2			11855	HR	EET ALB	09/09/24 12:19
Total/NA	Analysis	351.2		1	12273	DL	EET ALB	09/11/24 14:44

Client Sample ID: 833-04

Date Collected: 08/29/24 15:20 Date Received: 08/30/24 08:35 Lab Sample ID: 885-10920-2

Matrix: Water

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11449	RC	EET ALB	08/30/24 15:15
Total/NA	Analysis	300.0		100	11448	RC	EET ALB	08/30/24 15:27
Total/NA	Analysis	2540C		1	11569	ES	EET ALB	09/04/24 09:42
Total/NA	Prep	351.2			11855	HR	EET ALB	09/09/24 12:19
Total/NA	Analysis	351.2		1	12273	DL	EET ALB	09/11/24 14:48

Client Sample ID: 833-08

Date Collected: 08/29/24 16:32

Date Received: 08/30/24 08:35

Lab Sample ID: 885-10920-3

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11449	RC	EET ALB	08/30/24 15:40
Total/NA	Analysis	300.0		100	11448	RC	EET ALB	08/30/24 15:52
Total/NA	Analysis	2540C		1	11569	ES	EET ALB	09/04/24 09:42
Total/NA	Prep	351.2			11855	HR	EET ALB	09/09/24 12:19
Total/NA	Analysis	351.2		1	12273	DL	EET ALB	09/11/24 14:50

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-10920-1

Project/Site: Big Sky Dairy Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority	Progra	am	Identification Number	Expiration Date
ew Mexico	State		NM9425, NM0901	02-26-25
	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This li	st may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
300.0		Water	Sulfate	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
regon	NELA	P	NM100001	02-26-25
• .	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This li	st may include analyt
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

ATNEMNOOTAN	ANALYSIS LABOR FILES	www.hallenvironmental.com	NE - Albuquerque, NM 8710	Fax 505-345-4107	Analysis Request		{	801			rus	atsilui onqeon' luS Isto	d	X	×						ed data will be clearly notated on the analytical report.
	A	*	4901 Hawkins NE	Tel. 505-345-3975		300	; po		900	ΕA	S. 43	itrate/Ni) ×	X X X	X X X X				Remarks:		ossibility. Any sub-contract
Turn-Around Time:	Standard Rush	Project Name:	Big Sky Dairy	Project #:		Project Manager:	Gina Mullen		Sampler: Angel N. Rivera	olere.	Cooler Templication CEY CA AC 22 LANS	ije		2	7				Via: Fed Ex Date Time	Received by: Via: Date Time	I 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.
Chain-of-Custody Record	Client:	Science, and Technology		320 Gold Ave SW Suite	Phone #: 505-715-4279	=ax#: rmullen@eaest.com	QA/QC Package:	☐ Standard ☐ Level 4 (Full Validation)	☐ Az Compliance			ote S Sinterior S ame N alma S	13:52 62 833-06	15:20 Gw					S-29 (7:50) My M	Relinquished by:	I I I I I I I I I I I I I I I I I I I

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-10920-1

Login Number: 10920 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Cleator. Casarrubias, rracy	
Question	Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td>	True
The cooler's custody seal, if present, is intact.	True
Sample custody seals, if present, are intact.	True
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	True
Cooler Temperature is acceptable.	True
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
Is the Field Sampler's name present on COC?	True
There are no discrepancies between the containers received and the COC.	True
Samples are received within Holding Time (excluding tests with immediate HTs)	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
Sample Preservation Verified.	True
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True
Multiphasic samples are not present.	True
Samples do not require splitting or compositing.	True
Residual Chlorine Checked.	N/A

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ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 9/19/2024 11:53:42 AM

JOB DESCRIPTION

Big Sky Dairy

JOB NUMBER

885-10988-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975 Ľ

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9/19/2024

Client: EA Engineering Project/Site: Big Sky Dairy Laboratory Job ID: 885-10988-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10988-1

Project/Site: Big Sky Dairy

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier **Qualifier Description**

MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit Contains No Free Liquid CNF

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present Practical Quantitation Limit POI

PRES Presumptive **Quality Control**

QC

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: EA Engineering Project: Big Sky Dairy

Job ID: 885-10988-1 Eurofins Albuquerque

Job Narrative 885-10988-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/31/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.1°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 351.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-12071 and analytical batch 885-12275 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 885-10988-1

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Client: EA Engineering Job ID: 885-10988-1

Project/Site: Big Sky Dairy

Client Sample ID: 833-02 Lab Sample ID: 885-10988-1

Date Collected: 08/30/24 10:40 Matrix: Water

Date Received: 08/31/24 10:00

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		50	mg/L			09/03/24 22:15	100
Sulfate	670		50	mg/L			09/03/24 22:15	100
Nitrate Nitrite as N	30		1.0	mg/L			09/04/24 02:09	5
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4100		500	mg/L			09/04/24 09:42	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/11/24 14:34	09/13/24 17:26	1

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Client: EA Engineering Job ID: 885-10988-1

Project/Site: Big Sky Dairy

Client Sample ID: 833-05 Lab Sample ID: 885-10988-2

Date Collected: 08/30/24 11:55

Date Received: 08/31/24 10:00

Matrix: Water

Method: EPA 300.0 - Anions, Ion Cl	٠.	•						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		50	mg/L			09/03/24 23:04	100
Sulfate	440		50	mg/L			09/03/24 23:04	100
Nitrate Nitrite as N	27		1.0	mg/L			09/04/24 02:22	5
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3500		500	mg/L			09/04/24 09:42	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/11/24 14:31	09/13/24 17:17	1

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Client: EA Engineering Job ID: 885-10988-1

Project/Site: Big Sky Dairy

Client Sample ID: 833-07 Lab Sample ID: 885-10988-3

Date Collected: 08/30/24 13:51 Matrix: Water

Date Received: 08/31/24 10:00

	nromatograp	=						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		50	mg/L			09/03/24 23:29	100
Sulfate	610		50	mg/L			09/03/24 23:29	100
Nitrate Nitrite as N	68		4.0	mg/L			09/06/24 20:57	20
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4100		500	mg/L			09/04/24 09:42	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/11/24 14:31	09/13/24 17:16	1

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Client: EA Engineering Job ID: 885-10988-1

Project/Site: Big Sky Dairy

Client Sample ID: 833-09 Lab Sample ID: 885-10988-4 Date Collected: 08/30/24 15:48

Matrix: Water

Date Received: 08/31/24 10:00

		=						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	780		50	mg/L			09/03/24 23:54	100
Sulfate	610		50	mg/L			09/03/24 23:54	100
Nitrate Nitrite as N	51		2.0	mg/L			09/06/24 21:09	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3200		500	mg/L	_		09/04/24 09:42	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND	F1	0.50	mg/L		09/11/24 14:31	09/13/24 17:19	1

09/03/24 17:55

Method: 300.0 - Anions, Ion Chromatography

ND

Lab Sample ID: MB 885-11562/36

Matrix: Water

Analysis Batch: 11562

Client Sample ID: Method Blank Prep Type: Total/NA

мв мв Result Qualifier RL Unit D Prepared Analyzed Dil Fac

mg/L

Lab Sample ID: MB 885-11562/4 Client Sample ID: Method Blank Prep Type: Total/NA

0.20

Matrix: Water

Nitrate Nitrite as N

Analyte

Analysis Batch: 11562

мв мв Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac Nitrate Nitrite as N ND 0.20 mg/L 09/03/24 10:43

Lab Sample ID: LCS 885-11562/37 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11562

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Nitrate 2.50 2.51 mg/L 100 90 - 110 Nitrite 1.00 0.926 mg/L 93 90 - 110 3.50 90 - 110 Nitrate Nitrite as N 3.44 mg/L

Lab Sample ID: MRL 885-11562/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11562

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	 0.100	0.0946	J	mg/L		95	50 - 150	
Nitrite	0.0999	0.102		mg/L		102	50 - 150	
Nitrate Nitrite as N	0.200	0.197	J	mg/L		98	50 - 150	

Lab Sample ID: 885-10988-1 MS Client Sample ID: 833-02 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11562

%Rec Sample Sample Spike MS MS Limits Result Qualifier Added %Rec Analyte Result Qualifier Unit Nitrate 30 25.0 56.2 106 80 - 120 mg/L 35.0 Nitrate Nitrite as N 30 62.3 mg/L 92 80 - 120

Lab Sample ID: 885-10988-1 MSD

Matrix: Water

Analysis Batch: 11562

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate	30		25.0	55.7		mg/L		104	80 - 120	1	20
Nitrate Nitrite as N	30		35.0	61.7		mg/L		90	80 - 120	1	20

Lab Sample ID: MB 885-11563/36

Matrix: Water

Analysis Batch: 11563

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			09/03/24 17:55	1
Sulfate	ND		0.50	mg/L			09/03/24 17:55	1

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Prep Type: Total/NA

Client Sample ID: 833-02

Client Sample ID: Method Blank

Prep Type: Total/NA

Client: EA Engineering Project/Site: Big Sky Dairy

Job ID: 885-10988-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11563/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11563

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			09/03/24 10:43	1
Sulfate	ND		0.50	mg/L			09/03/24 10:43	1

Lab Sample ID: LCS 885-11563/37 Client Sample ID: Lab Control Sample Prep Type: Total/NA **Matrix: Water**

Analysis Batch: 11563

		Spike	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Chloride	5.00	4.74		mg/L		95	90 - 110	
l	Sulfate	10.0	9.28		mg/L		93	90 - 110	

Lab Sample ID: MRL 885-11563/3 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11563

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	0.500	0.512		mg/L		102	50 - 150	
Sulfate	0.500	0.500		mg/L		100	50 - 150	

Lab Sample ID: MB 885-11794/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11794

MB MB

Analyte		lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND	0.20	mg/L			09/06/24 08:24	1

Lab Sample ID: MB 885-11794/50

Matrix: Water

Analysis Batch: 11794

мв мв

ND

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND -	0.20	ma/L			09/06/24 14:22	1

Lab Sample ID: MB 885-11794/86 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 11794

мв мв Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac

mg/L

Lab Sample ID: LCS 885-11794/51 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

0.20

Matrix: Water

Nitrate Nitrite as N

Analysis Batch: 11794

Analysis Batch. 11704							
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Nitrate	2.50	2.52		mg/L		101	90 - 110
Nitrite	1.00	0.966		mg/L		97	90 - 110
Nitrate Nitrite as N	3.50	3.49		mg/L		100	90 - 110

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Client Sample ID: Method Blank

09/06/24 22:23

Prep Type: Total/NA

Prep Type: Total/NA

Job ID: 885-10988-1

Prep Type: Total/NA

Client: EA Engineering

Project/Site: Big Sky Dairy

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-11794/87

Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 11794

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier	Unit D	%Rec	Limits	
Nitrate	2.50	2.54		mg/L	101	90 - 110	
Nitrite	1.00	0.968	1	mg/L	97	90 - 110	
Nitrate Nitrite as N	3.50	3.51	1	mg/L	100	90 - 110	

Lab Sample ID: MRL 885-11794/3

Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11794

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	 0.100	0.0963	J	mg/L		96	50 - 150	
Nitrite	0.0999	0.102		mg/L		102	50 - 150	
Nitrate Nitrite as N	0.200	0.198	J	mg/L		99	50 - 150	

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11569/1

Matrix: Water

Analysis Batch: 11569

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			09/04/24 09:42	1

Lab Sample ID: LCS 885-11569/2

Matrix: Water

Analysis Batch: 11569

, , , , , , , , , , , , , , , , , , ,	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	1000	1010		mg/L		101	80 - 120	

Method: 351.2 - Nitrogen, Total Kjeldahl

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Lab Sample ID: MB 885-12071/30-A	Client Sample ID: Method Blank
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 12275	Prep Batch: 12071

	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		09/11/24 14:31	09/13/24 16:46	1

Lab Sample ID: LCS 885-12071/32-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12275

LCS LCS Spike %Rec

Analyte Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 10.0 10.9 mg/L 109 90 - 110

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Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Prep Batch: 12071

QC Sample Results

Client: EA Engineering Job ID: 885-10988-1

Project/Site: Big Sky Dairy

Method: 351.2 - Nitrogen,	Total I	Kjeldahl ((Continued)
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Lab Sample ID: 885-10988-4 MS

Lab Sample ID: LLCS 885-12071/31-A					Client	Sample	ID: Lab Con	trol Sample
Matrix: Water							Prep Typ	e: Total/NA
Analysis Batch: 12275							Prep B	atch: 12071
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen Total Kieldahl	0.500	ND		ma/l		84	50 - 150	

Matrix: Water									Prep 1	Гуре: Total/NA
Analysis Batch: 12275									Prep	Batch: 12071
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	ND	F1	10.0	ND	F1	mg/L		0	90 - 110	

Lab Sample ID: 885-10988-4 MSD									Client Sam	ple ID: 8	33-09
Matrix: Water									Prep 7	Type: To	tal/NA
Analysis Batch: 12275									Prep	Batch:	12071
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrogen, Total Kjeldahl	ND	F1	10.0	ND	F1	mg/L			90 - 110	NC	20

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Client Sample ID: 833-09

QC Association Summary

Client: EA Engineering

Job ID: 885-10988-1

Project/Site: Big Sky Dairy

HPLC/IC

Analysis Batch: 11562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10988-1	833-02	Total/NA	Water	300.0	
885-10988-2	833-05	Total/NA	Water	300.0	
MB 885-11562/36	Method Blank	Total/NA	Water	300.0	
MB 885-11562/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11562/37	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11562/3	Lab Control Sample	Total/NA	Water	300.0	
885-10988-1 MS	833-02	Total/NA	Water	300.0	
885-10988-1 MSD	833-02	Total/NA	Water	300.0	

Analysis Batch: 11563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10988-1	833-02	Total/NA	Water	300.0	
885-10988-2	833-05	Total/NA	Water	300.0	
885-10988-3	833-07	Total/NA	Water	300.0	
885-10988-4	833-09	Total/NA	Water	300.0	
MB 885-11563/36	Method Blank	Total/NA	Water	300.0	
MB 885-11563/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11563/37	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11563/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10988-3	833-07	Total/NA	Water	300.0	
885-10988-4	833-09	Total/NA	Water	300.0	
MB 885-11794/4	Method Blank	Total/NA	Water	300.0	
MB 885-11794/50	Method Blank	Total/NA	Water	300.0	
MB 885-11794/86	Method Blank	Total/NA	Water	300.0	
LCS 885-11794/51	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-11794/87	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11794/3	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 11569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10988-1	833-02	Total/NA	Water	2540C	
885-10988-2	833-05	Total/NA	Water	2540C	
885-10988-3	833-07	Total/NA	Water	2540C	
885-10988-4	833-09	Total/NA	Water	2540C	
MB 885-11569/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11569/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 12071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10988-1	833-02	Total/NA	Water	351.2	
885-10988-2	833-05	Total/NA	Water	351.2	
885-10988-3	833-07	Total/NA	Water	351.2	
885-10988-4	833-09	Total/NA	Water	351.2	
MB 885-12071/30-A	Method Blank	Total/NA	Water	351.2	
LCS 885-12071/32-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-12071/31-A	Lab Control Sample	Total/NA	Water	351.2	

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QC Association Summary

Client: EA Engineering Job ID: 885-10988-1

Project/Site: Big Sky Dairy

General Chemistry (Continued)

Prep Batch: 12071 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10988-4 MS	833-09	Total/NA	Water	351.2	
885-10988-4 MSD	833-09	Total/NA	Water	351.2	

Analysis Batch: 12275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10988-1	833-02	Total/NA	Water	351.2	12071
885-10988-2	833-05	Total/NA	Water	351.2	12071
885-10988-3	833-07	Total/NA	Water	351.2	12071
885-10988-4	833-09	Total/NA	Water	351.2	12071
MB 885-12071/30-A	Method Blank	Total/NA	Water	351.2	12071
LCS 885-12071/32-A	Lab Control Sample	Total/NA	Water	351.2	12071
LLCS 885-12071/31-A	Lab Control Sample	Total/NA	Water	351.2	12071
885-10988-4 MS	833-09	Total/NA	Water	351.2	12071
885-10988-4 MSD	833-09	Total/NA	Water	351.2	12071

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Client: EA Engineering Project/Site: Big Sky Dairy

Client Sample ID: 833-02

Lab Sample ID: 885-10988-1

Matrix: Water

Date Collected: 08/30/24 10:40 Date Received: 08/31/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	11563	JT	EET ALB	09/03/24 22:15
Total/NA	Analysis	300.0		5	11562	JT	EET ALB	09/04/24 02:09
Total/NA	Analysis	2540C		1	11569	ES	EET ALB	09/04/24 09:42
Total/NA	Prep	351.2			12071	DL	EET ALB	09/11/24 14:34
Total/NA	Analysis	351.2		1	12275	DL	EET ALB	09/13/24 17:26

Lab Sample ID: 885-10988-2

Matrix: Water

Date Collected: 08/30/24 11:55 Date Received: 08/31/24 10:00

Client Sample ID: 833-05

Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** or Analyzed Lab 09/03/24 23:04 Total/NA 300.0 11563 JT Analysis 100 **EET ALB** Total/NA Analysis 300.0 5 11562 JT **EET ALB** 09/04/24 02:22 Total/NA Analysis 2540C 11569 ES **EET ALB** 09/04/24 09:42 Total/NA Prep 351.2 12071 DL **EET ALB** 09/11/24 14:31 Total/NA Analysis 351.2 12275 DL **EET ALB** 09/13/24 17:17

Client Sample ID: 833-07

Date Collected: 08/30/24 13:51 Date Received: 08/31/24 10:00 Lab Sample ID: 885-10988-3

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	11563	JT	EET ALB	09/03/24 23:29
Total/NA	Analysis	300.0		20	11794	JT	EET ALB	09/06/24 20:57
Total/NA	Analysis	2540C		1	11569	ES	EET ALB	09/04/24 09:42
Total/NA	Prep	351.2			12071	DL	EET ALB	09/11/24 14:31
Total/NA	Analysis	351.2		1	12275	DL	EET ALB	09/13/24 17:16

Client Sample ID: 833-09

Date Collected: 08/30/24 15:48

Date Received: 08/31/24 10:00

Lab Sample ID: 885-10988-4

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	11563	JT	EET ALB	09/03/24 23:54
Total/NA	Analysis	300.0		10	11794	JT	EET ALB	09/06/24 21:09
Total/NA	Analysis	2540C		1	11569	ES	EET ALB	09/04/24 09:42
Total/NA	Prep	351.2			12071	DL	EET ALB	09/11/24 14:31
Total/NA	Analysis	351.2		1	12275	DL	EET ALB	09/13/24 17:19

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering

Job ID: 885-10988-1

Project/Site: Big Sky Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
The following analytes	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	st may include analyte
for which the agency de	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate Nitrite as N	
300.0		Water	Sulfate	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELA	P	NM100001	02-26-25
The following analytes	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	st may include analyte
for which the agency de	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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9/19/2024

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-10988-1

Login Number: 10988 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

oreator. Gasarrasias, Tracy	
Question	Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td>	True
The cooler's custody seal, if present, is intact.	True
Sample custody seals, if present, are intact.	True
The cooler or samples do not appear to have been compromised or ampered with.	True
Samples were received on ice.	True
Cooler Temperature is acceptable.	True
Cooler Temperature is recorded.	True
COC is present.	True
OC is filled out in ink and legible.	True
OC is filled out with all pertinent information.	True
the Field Sampler's name present on COC?	True
here are no discrepancies between the containers received and the COC.	True
samples are received within Holding Time (excluding tests with immediate ITs)	True
ample containers have legible labels.	True
Containers are not broken or leaking.	True
ample collection date/times are provided.	True
ppropriate sample containers are used.	True
ample bottles are completely filled.	True
ample Preservation Verified.	True
here is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
Containers requiring zero headspace have no headspace or bubble is 6mm (1/4").	True
lultiphasic samples are not present.	True
camples do not require splitting or compositing.	True
Residual Chlorine Checked.	N/A

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

JOB DESCRIPTION

Generated 9/19/2024 11:55:09 AM

Big Sky Dairy

JOB NUMBER

885-11074-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

ellen McN-B. Generated 9/19/2024 11:55:09 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

9/19/2024

Client: EA Engineering Project/Site: Big Sky Dairy Laboratory Job ID: 885-11074-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-11074-1

Project/Site: Big Sky Dairy

Qualifiers

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п	М	Ц	U	ı	u

Quaimer	Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.						
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis						
%R	Percent Recovery						
CFL	Contains Free Liquid						
CFU	Colony Forming Unit						
CNF	Contains No Free Liquid						
DER	Duplicate Error Ratio (normalized absolute difference)						
Dil Fac	Dilution Factor						
DL	Detection Limit (DoD/DOE)						
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample						

DLC Decision Level Concentration (Radiochemistry)
EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Albuquerque

9/19/2024

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Case Narrative

Client: EA Engineering Project: Big Sky Dairy

Job ID: 885-11074-1 Eurofins Albuquerque

Job Narrative 885-11074-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/4/2024 8:39 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

HPLC/IC

Method 300_OF_48H_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 885-11631 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

9/19/2024

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Job ID: 885-11074-1

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Client: EA Engineering Job ID: 885-11074-1

Project/Site: Big Sky Dairy

Client Sample ID: 833-10 Lab Sample ID: 885-11074-1 Date Collected: 09/03/24 11:15

Matrix: Water

Date Received: 09/04/24 08:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	640		50	mg/L			09/04/24 11:58	100
Nitrate	2.0		1.0	mg/L			09/04/24 11:21	10
Nitrite	ND	F1	1.0	mg/L			09/04/24 11:21	10
Sulfate	440		50	mg/L			09/04/24 11:58	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700		250	mg/L			09/05/24 10:56	1
Nitrogen, Total Kjeldahl (EPA 351.2)	0.89		0.50	mg/L		09/10/24 16:38	09/13/24 13:02	1

9/19/2024

Client: EA Engineering

Project/Site: Big Sky Dairy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11630/4

Matrix: Water

Analysis Batch: 11630

Client Sample ID: Method Blank Prep Type: Total/NA

MB MB Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 09/04/24 10:56 Sulfate ND 0.50 mg/L 09/04/24 10:56

Lab Sample ID: LCS 885-11630/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11630

	Sp	ike LCS	LCS				%Rec	
Analyte	Ado	led Resul	Qualifier	Unit	D	%Rec	Limits	
Chloride		.00 4.70		mg/L		94	90 - 110	
Sulfate	1	0.0 9.19)	mg/L		92	90 - 110	

Lab Sample ID: MRL 885-11630/3 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11630

		Spike	MRL	MRL				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		0.500	0.520		mg/L		104	50 - 150	
Sulfate		0.500	0.524		mg/L		105	50 - 150	

Lab Sample ID: MB 885-11631/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11631

MB MB Analyte Result Qualifier RLUnit D Prepared Analyzed

Dil Fac 0.10 Nitrate ND mg/L 09/04/24 10:56 ND 09/04/24 10:56 Nitrite 0.10 mg/L

Lab Sample ID: LCS 885-11631/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11631

Spike LCS LCS %Rec Added Result Qualifier Unit %Rec Limits Analyte Nitrate 2.50 2.49 100 90 - 110 mg/L Nitrite 1.00 0.920 mg/L 92 90 - 110

Lab Sample ID: MRL 885-11631/3 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 11631

_	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	0.100	0.0960	J	mg/L		96	50 - 150	
Nitrite	n ngga	0.103		ma/l		104	50 150	

Lab Sample ID: 885-11074-1 MS Client Sample ID: 833-10 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11631

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	2.0		25.0	26.1		mg/L		96	80 - 120	

Eurofins Albuquerque

Prep Type: Total/NA

Client: EA Engineering Project/Site: Big Sky Dairy Job ID: 885-11074-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-11074-1 MSD Client Sample ID: 833-10 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11631

•	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate	2.0		25.0	26.2		mg/L		97	80 - 120	0	20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11658/1 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

Analysis Batch: 11658

MB MB

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND	50	mg/L			09/05/24 10:56	1

Lab Sample ID: LCS 885-11658/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11658

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	%F	Rec	Limits	
Total Dissolved Solids		1000	1010		mg/L		01	80 - 120	

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11969/30-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water Analysis Batch: 12254

мв мв Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac

0.50 09/10/24 16:38 09/13/24 12:42 Nitrogen, Total Kjeldahl ND mg/L

Lab Sample ID: LCS 885-11969/32-A Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12254

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 10.0 10.4 mg/L 104 90 - 110

Lab Sample ID: LLCS 885-11969/31-A **Client Sample ID: Lab Control Sample**

Matrix: Water Prep Type: Total/NA Analysis Batch: 12254 Prep Batch: 11969

Spike LLCS LLCS %Rec

Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 0.500 0.543 mg/L 109 50 - 150

Prep Batch: 11969

Prep Batch: 11969

QC Association Summary

Client: EA Engineering Job ID: 885-11074-1 Project/Site: Big Sky Dairy

HPLC/IC

Analysis Batch: 11630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11074-1	833-10	Total/NA	Water	300.0	
MB 885-11630/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11630/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11630/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11074-1	833-10	Total/NA	Water	300.0	
MB 885-11631/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11631/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11631/3	Lab Control Sample	Total/NA	Water	300.0	
885-11074-1 MS	833-10	Total/NA	Water	300.0	
885-11074-1 MSD	833-10	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 11658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11074-1	833-10	Total/NA	Water	2540C	
MB 885-11658/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11658/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 11969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11074-1	833-10	Total/NA	Water	351.2	
MB 885-11969/30-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11969/32-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11969/31-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 12254

Lab Sample ID 885-11074-1	Client Sample ID 833-10	Prep Type Total/NA	Water	Method 351.2	Prep Batch 11969
MB 885-11969/30-A	Method Blank	Total/NA	Water	351.2	11969
LCS 885-11969/32-A	Lab Control Sample	Total/NA	Water	351.2	11969
LLCS 885-11969/31-A	Lab Control Sample	Total/NA	Water	351.2	11969

9/19/2024

Lab Chronicle

Client: EA Engineering Job ID: 885-11074-1

Project/Site: Big Sky Dairy

Client Sample ID: 833-10

Date Received: 09/04/24 08:39

Date Collected: 09/03/24 11:15

Lab Sample ID: 885-11074-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11631	RC	EET ALB	09/04/24 11:21
Total/NA	Analysis	300.0		100	11630	RC	EET ALB	09/04/24 11:58
Total/NA	Analysis	2540C		1	11658	ES	EET ALB	09/05/24 10:56
Total/NA	Prep	351.2			11969	HR	EET ALB	09/10/24 16:38
Total/NA	Analysis	351.2		1	12254	DL	EET ALB	09/13/24 13:02

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: EA Engineering

Job ID: 885-11074-1

Project/Site: Big Sky Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
• ,	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
300.0		Water	Sulfate	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELA	P	NM100001	02-26-25
• ,	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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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.

Remarks:

Time

Date

Received by:

Received by:

Relinquished by

16:50

Relinquished by

Time:

Date:

9:39 PULLY

885-11074 COC

4901 Hawkins NE - Albuquerque, NM 87109

www.hallenvironmental.com

Fax 505-345-4107

Tel. 505-345-3975

Analysis Request

Total Sulfur

Sulfate EPA 300

Chloride EPA 300

LKN 321.2

HEAL No.

Preservative

Container

Type

Type and #

Time | Matrix | Sample Name

Date

E &

Phosphorus EPA 6010B

LDS 2W 5240 C WOD

Nitrate/Nitrites EPA Method 300

%□

M Yes

Cooler Temp(including cF): 0.6

of Coolers: 4

Angel N. Rivera

Sampler: On Ice:

☐ Level 4 (Full Validation)

☐ Az Compliance

Accreditation:

□ Other

□ NELAC

□ EDD (Type)

Gina Mullen

Project Manager:

rmullen@eaest.com

QA/QC Package:

□ Standard

email or Fax#:

505-715-4279

Phone #:

320 Gold Ave SW Suite

HALL ENVIRONMEN ANALYSIS LABORAT

□ Rush

Standard

Project Name:

EA Engineering, Science, and Technology

Mailing Address:

Big Sky Dairy Project #:

Turn-Around Time:

Chain-of-Custody Record

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11074-1

Login Number: 11074 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Cleator. Casarrubias, rracy	
Question	Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td>	True
The cooler's custody seal, if present, is intact.	True
Sample custody seals, if present, are intact.	True
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	True
Cooler Temperature is acceptable.	True
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
Is the Field Sampler's name present on COC?	True
There are no discrepancies between the containers received and the COC.	True
Samples are received within Holding Time (excluding tests with immediate HTs)	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
Sample Preservation Verified.	True
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True
Multiphasic samples are not present.	True
Samples do not require splitting or compositing.	True
Residual Chlorine Checked.	N/A

ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 9/12/2024 10:21:23 AM

JOB DESCRIPTION

Bright Star Dairy

JOB NUMBER

885-10175-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/12/2024 10:21:23 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Project/Site: Bright Star Dairy Laboratory Job ID: 885-10175-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10175-1

Project/Site: Bright Star Dairy

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: EA Engineering
Project: Bright Star Dairy

Job ID: 885-10175-1 Eurofins Albuquerque

Job Narrative 885-10175-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/20/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.9°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

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Job ID: 885-10175-1

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Client: EA Engineering Job ID: 885-10175-1

Project/Site: Bright Star Dairy

Client Sample ID: 86/340-01

Lab Sample ID: 885-10175-1

Matrix: Water

Date Collected: 08/19/24 11:30 Date Received: 08/20/24 07:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		50	mg/L			08/20/24 11:36	100
Nitrate	2.5		1.0	mg/L			08/20/24 11:24	10
Nitrite	ND		1.0	mg/L			08/20/24 11:24	10
Sulfate	770		50	mg/L			08/20/24 11:36	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2300		250	mg/L			08/23/24 08:35	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		08/26/24 13:15	08/27/24 14:39	1

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Client: EA Engineering Job ID: 885-10175-1

Project/Site: Bright Star Dairy

Date Received: 08/20/24 07:30

Client Sample ID: 70/86/340-01

Lab Sample ID: 885-10175-2 Date Collected: 08/19/24 13:15

Matrix: Water

Method: EPA 300.0 - Anions, Ion Ch	nromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		50	mg/L			08/20/24 12:01	100
Nitrate	24		1.0	mg/L			08/20/24 11:49	10
Nitrite	ND		1.0	mg/L			08/20/24 11:49	10
Sulfate	850		50	mg/L			08/20/24 12:01	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4200		500	mg/L			08/23/24 08:35	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		08/26/24 13:15	08/27/24 14:42	1

Client: EA Engineering Job ID: 885-10175-1

Project/Site: Bright Star Dairy

Client Sample ID: 340-01

Lab Sample ID: 885-10175-3

08/23/24 08:35

08/27/24 14:43

08/26/24 13:15

Matrix: Water

Date Collected: 08/19/24 14:45 Date Received: 08/20/24 07:30

Total Dissolved Solids (SM 2540C)

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anions, Id	on Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	610	50	mg/L			08/20/24 12:26	100
Nitrate	64	1.0	mg/L			08/20/24 12:13	10
Nitrite	ND	1.0	mg/L			08/20/24 12:13	10
Sulfate	470	50	mg/L			08/20/24 12:26	100
General Chemistry							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

500

0.50

mg/L

mg/L

3100

ND

6

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Client: EA Engineering

Job ID: 885-10175-1

Project/Site: Bright Star Dairy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10675/4

Matrix: Water

Analysis Batch: 10675

Chefft Sample ID. Method Blank
Prep Type: Total/NA

MB MB Result Qualifier RL Unit Dil Fac Analyte D Prepared Analyzed Nitrate ND0.10 mg/L 08/20/24 10:59 Nitrite ND 0.10 mg/L 08/20/24 10:59

Lab Sample ID: LCS 885-10675/5

Matrix: Water

Analysis Batch: 10675

Client Sample I	D: Lab Control Sample
	Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	2.50	2.43		mg/L		97	90 - 110	
Nitrite	1.00	0.916		mg/L		92	90 - 110	

Lab Sample ID: MRL 885-10675/3

Matrix: Water

Analysis Batch: 10675

Client Sample ID:	Lab Control Sample
	Deep Trees, Total/NA

Prep Type: Total/NA

	Spike	MKL	MKL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	0.100	0.0886	J	mg/L		89	50 - 150	
Nitrite	0.0999	0.104		mg/L		104	50 - 150	

Lab Sample ID: MB 885-10676/4

Matrix: Water

Analysis Batch: 10676

•	
	Prep Type: Total/NA

Client Sample ID: Method Blank

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride 0.50 08/20/24 10:59 ND mg/L Sulfate ND 0.50 mg/L 08/20/24 10:59

Lab Sample ID: LCS 885-10676/5

Matrix: Water

Analysis Batch: 10676

|--|

Prep Type: Total/NA

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride		5.00	4.64		mg/L		93	90 - 110		_
Sulfate		10.0	9.16		mg/L		92	90 - 110		

Analysis Batch: 10676

•	
Lab Sample ID: MRL 885-10676/3	Client Sample ID: Lab Control Sample
Matrix: Water	Prep Type: Total/NA

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	0.500	0.515		mg/L		103	50 - 150	
Sulfate	0.500	0.443	J	mg/L		89	50 - 150	

9/12/2024

Client: EA Engineering Project/Site: Bright Star Dairy Job ID: 885-10175-1

Prep Type: Total/NA

Prep Batch: 11006

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-10842/1

Matrix: Water							Prep Type:	Total/NA
Analysis Batch: 10842								
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			08/23/24 08:35	1

Lab Sample ID: LCS 885-10842/2

Matrix: Water

Analysis Batch: 10842

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	1000	997	-	mg/L		100	80 - 120	

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11006/51-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11397

мв мв

Analyte		ıalifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND	0.50	mg/L		08/27/24 11:20	08/27/24 13:40	1

Lab Sample ID: LCS 885-11006/53-A

Matrix: Water

Analysis Batch: 11397

Prep Batch: 11006 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit Limits Nitrogen, Total Kjeldahl 10.0 9.73 90 - 110 mg/L

Lab Sample ID: LLCS 885-11006/52-A

Matrix: Water

Analysis Batch: 11397							Prep Batch: 11006
	Spike	LLCS	LLCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Nitrogen, Total Kjeldahl	0.500	ND		mg/L		91	50 - 150

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QC Association Summary

Client: EA Engineering

Job ID: 885-10175-1

Project/Site: Bright Star Dairy

HPLC/IC

Analysis Batch: 10675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10175-1	86/340-01	Total/NA	Water	300.0	
885-10175-2	70/86/340-01	Total/NA	Water	300.0	
885-10175-3	340-01	Total/NA	Water	300.0	
MB 885-10675/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10675/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10675/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10175-1	86/340-01	Total/NA	Water	300.0	
885-10175-2	70/86/340-01	Total/NA	Water	300.0	
885-10175-3	340-01	Total/NA	Water	300.0	
MB 885-10676/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10676/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10676/3	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 10842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10175-1	86/340-01	Total/NA	Water	2540C	
885-10175-2	70/86/340-01	Total/NA	Water	2540C	
885-10175-3	340-01	Total/NA	Water	2540C	
MB 885-10842/1	Method Blank	Total/NA	Water	2540C	
LCS 885-10842/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 11006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10175-1	86/340-01	Total/NA	Water	351.2	
885-10175-2	70/86/340-01	Total/NA	Water	351.2	
885-10175-3	340-01	Total/NA	Water	351.2	
MB 885-11006/51-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11006/53-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11006/52-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 11397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10175-1	86/340-01	Total/NA	Water	351.2	11006
885-10175-2	70/86/340-01	Total/NA	Water	351.2	11006
885-10175-3	340-01	Total/NA	Water	351.2	11006
MB 885-11006/51-A	Method Blank	Total/NA	Water	351.2	11006
LCS 885-11006/53-A	Lab Control Sample	Total/NA	Water	351.2	11006
LLCS 885-11006/52-A	Lab Control Sample	Total/NA	Water	351.2	11006

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Lab Chronicle

Client: EA Engineering Job ID: 885-10175-1

Project/Site: Bright Star Dairy

Client Sample ID: 86/340-01

Lab Sample ID: 885-10175-1

Matrix: Water

Date Collected: 08/19/24 11:30 Date Received: 08/20/24 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10675	JT	EET ALB	08/20/24 11:24
Total/NA	Analysis	300.0		100	10676	EH	EET ALB	08/20/24 11:36
Total/NA	Analysis	2540C		1	10842	ES	EET ALB	08/23/24 08:35
Total/NA	Prep	351.2			11006	HR	EET ALB	08/26/24 13:15
Total/NA	Analysis	351.2		1	11397	DL	EET ALB	08/27/24 14:39

Client Sample ID: 70/86/340-01

Lab Sample ID: 885-10175-2

Date Collected: 08/19/24 13:15 **Matrix: Water** Date Received: 08/20/24 07:30

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10675	JT	EET ALB	08/20/24 11:49
Total/NA	Analysis	300.0		100	10676	EH	EET ALB	08/20/24 12:01
Total/NA	Analysis	2540C		1	10842	ES	EET ALB	08/23/24 08:35
Total/NA	Prep	351.2			11006	HR	EET ALB	08/26/24 13:15
Total/NA	Analysis	351.2		1	11397	DL	EET ALB	08/27/24 14:42

Client Sample ID: 340-01 Lab Sample ID: 885-10175-3

Date Collected: 08/19/24 14:45 **Matrix: Water** Date Received: 08/20/24 07:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10675	JT	EET ALB	08/20/24 12:13
Total/NA	Analysis	300.0		100	10676	EH	EET ALB	08/20/24 12:26
Total/NA	Analysis	2540C		1	10842	ES	EET ALB	08/23/24 08:35
Total/NA	Prep	351.2			11006	HR	EET ALB	08/26/24 13:15
Total/NA	Analysis	351.2		1	11397	DL	EET ALB	08/27/24 14:43

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

9/12/2024

Accreditation/Certification Summary

Client: EA Engineering

Job ID: 885-10175-1

Project/Site: Bright Star Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

ıthority	Progra	am	Identification Number	Expiration Date
ew Mexico	State		NM9425, NM0901	02-26-25
• •	are included in this report, bu	it the laboratory is not certif	ied by the governing authority. This lis	st may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
300.0		Water	Sulfate	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
egon	NELA	>	NM100001	02-26-25
• •	are included in this report, bu	it the laboratory is not certif	ied by the governing authority. This lis	st may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-10175-1

Login Number: 10175 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 9/18/2024 8:16:24 AM

JOB DESCRIPTION

Buena Vista Dairy 2

JOB NUMBER

885-10640-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/18/2024 8:16:24 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering

Laboratory Job ID: 885-10640-1

Project/Site: Buena Vista Dairy 2

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10640-1

Project/Site: Buena Vista Dairy 2

Qualifiers

HPLC/IC

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

DLC

Abbreviation	These commonly used abbreviations may or may not be present in this report.					
n	Listed under the "D" column to designate that the result is reported on a dry weight basis					
%R	Percent Recovery					
CFL	Contains Free Liquid					
CFU	Colony Forming Unit					
CNF	Contains No Free Liquid					
DER	Duplicate Error Ratio (normalized absolute difference)					
Dil Fac	Dilution Factor					
DL	Detection Limit (DoD/DOE)					
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample					

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Decision Level Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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9/18/2024

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Case Narrative

Client: EA Engineering Project: Buena Vista Dairy 2

Job ID: 885-10640-1 Eurofins Albuquerque

Job Narrative 885-10640-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/27/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

HPLC/IC

Method 300_OF_48H_PREC: The following samples were diluted due to the nature of the sample matrix: 74-03 (885-10640-1) and 74-02 (885-10640-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 885-10640-1

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Client: EA Engineering Job ID: 885-10640-1

Project/Site: Buena Vista Dairy 2

Client Sample ID: 74-03

Lab Sample ID: 885-10640-1

08/30/24 13:16

08/29/24 14:31

Matrix: Water

Date Collected: 08/26/24 13:52 Date Received: 08/27/24 10:00

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anions, Ion C	hromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		50	mg/L			08/28/24 00:33	100
Nitrate Nitrite as N	ND		2.0	mg/L			08/27/24 23:56	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1800		100	mg/L			08/29/24 15:56	1

0.50

mg/L

ND

Client: EA Engineering Job ID: 885-10640-1

Project/Site: Buena Vista Dairy 2

Client Sample ID: 74-02

351.2)

Lab Sample ID: 885-10640-2

Matrix: Water

Date Collected: 08/26/24 15:13 Date Received: 08/27/24 10:00

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	860		50	mg/L			08/28/24 00:58	100
Nitrate Nitrite as N	4.3		2.0	mg/L			08/28/24 00:45	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3400		500	mg/L			08/29/24 15:56	1
Nitrogen, Total Kjeldahl (EPA	3.5		0.50	mg/L		08/29/24 14:31	08/30/24 13:22	1

Client: EA Engineering

Project/Site: Buena Vista Dairy 2

Job ID: 885-10640-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11156/11 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 11156

Prep Type: Total/NA MB MB

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 08/27/24 08:34

Lab Sample ID: MB 885-11156/69 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11156

MB MB Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride ND 0.50 mg/L 08/27/24 23:31

Lab Sample ID: LCS 885-11156/70 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11156

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 5.00 4.76 mg/L 90 - 110

Lab Sample ID: MRL 885-11156/10 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11156

MRL MRL Spike %Rec Added Analyte Result Qualifier Unit %Rec Limits Chloride 0.500 0.530 106 50 - 150 mg/L

Lab Sample ID: MB 885-11157/11 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 11157

MR MR

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.20 Nitrate Nitrite as N ND mg/L 08/27/24 08:34

Lab Sample ID: MB 885-11157/69 Client Sample ID: Method Blank **Matrix: Water**

Analysis Batch: 11157

MB MB

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Nitrate Nitrite as N ND 0.20 mg/L 08/27/24 23:31

Lab Sample ID: LCS 885-11157/70 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 11157

LCS LCS %Rec Spike Added Result Qualifier Analyte Unit %Rec Limits Nitrate Nitrite as N 3.50 3.46 mg/L 99 90 - 110

Lab Sample ID: MRL 885-11157/10 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 1115/							
	Spike	MRL MRL				%Rec	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N	0.200	0.194 J	mg/L		97	50 - 150	

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Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: 74-03

Client Sample ID: 74-03

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 11351

Client: EA Engineering

Project/Site: Buena Vista Dairy 2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-10640-1 MS

Matrix: Water

Prep Type: Total/NA **Analysis Batch: 11157** Sample Sample Spike MS MS %Rec Result Qualifier Result Qualifier Analyte babbA D %Rec Limits Unit Nitrate Nitrite as N ND 35.0 34.4 mg/L 95 80 - 120

Lab Sample ID: 885-10640-1 MSD

Matrix: Water

Analysis Batch: 11157

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Limit Analyte Added Result Qualifier Unit D %Rec Limits RPD Nitrate Nitrite as N ND 35.0 34.1 mg/L 94 80 - 120 20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11366/1

Matrix: Water

Analysis Batch: 11366

MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total Dissolved Solids ND 50 mg/L 08/29/24 15:56

Lab Sample ID: LCS 885-11366/2

Matrix: Water

Analysis Batch: 11366

Spike LCS LCS %Rec Analyte Added Qualifier Unit %Rec Limits Result 1000 1020 Total Dissolved Solids mg/L 102 80 - 120

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11351/3-A

Matrix: Water

Analysis Batch: 11472

мв мв

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrogen, Total Kjeldahl ND 0.50 mg/L 08/29/24 14:31 08/30/24 12:50

Matrix: Water

Analysis Batch: 11472

Lab Sample ID: LCS 885-11351/5-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 11351 Spike LCS LCS %Rec Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 10.0 9.97 100 90 - 110 mg/L

Lab Sample ID: LLCS 885-11351/4-A

Matrix: Water

Analysis Batch: 11472 Prep Batch: 11351 Spike LLCS LLCS %Rec Added Result Qualifier Unit Limits %Rec Nitrogen, Total Kjeldahl 0.500 ND 93 ma/L 50 - 150

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Prep Type: Total/NA

QC Sample Results

Client: EA Engineering Job ID: 885-10640-1

Project/Site: Buena Vista Dairy 2

Result Qualifier

ND

Method: 351.2 - Nitrogen,	Total Kjeldahl	(Continued)
---------------------------	----------------	-------------

Analyte

Nitrogen, Total Kjeldahl

Lab Sample ID: 885-10640-1 MS									Client Sample ID: 74-03
Matrix: Water									Prep Type: Total/NA
Analysis Batch: 11472									Prep Batch: 11351
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits

Nitrogen, Total Kjeldahl	ND	10.0	10.3	mg/L	103	90 - 110	
Lab Sample ID: 885-10640-1 MSD)				С	lient Sample	ID: 74-03
Matrix: Water						Prep Type:	: Total/NA
Analysis Batch: 11472						Prep Bat	ch: 11351
	Sample Sample	Spike	MSD MSD			%Rec	RPD

Result Qualifier

10.2

Unit

mg/L

Added

10.0

9

Limit

RPD

%Rec

102

Limits

90 - 110

QC Association Summary

Client: EA Engineering Job ID: 885-10640-1

Project/Site: Buena Vista Dairy 2

HPLC/IC

Analysis Batch: 11156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10640-1	74-03	Total/NA	Water	300.0	
885-10640-2	74-02	Total/NA	Water	300.0	
MB 885-11156/11	Method Blank	Total/NA	Water	300.0	
MB 885-11156/69	Method Blank	Total/NA	Water	300.0	
LCS 885-11156/70	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11156/10	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10640-1	74-03	Total/NA	Water	300.0	
885-10640-2	74-02	Total/NA	Water	300.0	
MB 885-11157/11	Method Blank	Total/NA	Water	300.0	
MB 885-11157/69	Method Blank	Total/NA	Water	300.0	
LCS 885-11157/70	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11157/10	Lab Control Sample	Total/NA	Water	300.0	
885-10640-1 MS	74-03	Total/NA	Water	300.0	
885-10640-1 MSD	74-03	Total/NA	Water	300.0	

General Chemistry

Prep Batch: 11351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10640-1	74-03	Total/NA	Water	351.2	
885-10640-2	74-02	Total/NA	Water	351.2	
MB 885-11351/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11351/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11351/4-A	Lab Control Sample	Total/NA	Water	351.2	
885-10640-1 MS	74-03	Total/NA	Water	351.2	
885-10640-1 MSD	74-03	Total/NA	Water	351.2	

Analysis Batch: 11366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10640-1	74-03	Total/NA	Water	2540C	
885-10640-2	74-02	Total/NA	Water	2540C	
MB 885-11366/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11366/2	Lab Control Sample	Total/NA	Water	2540C	

Analysis Batch: 11472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10640-1	74-03	Total/NA	Water	351.2	11351
885-10640-2	74-02	Total/NA	Water	351.2	11351
MB 885-11351/3-A	Method Blank	Total/NA	Water	351.2	11351
LCS 885-11351/5-A	Lab Control Sample	Total/NA	Water	351.2	11351
LLCS 885-11351/4-A	Lab Control Sample	Total/NA	Water	351.2	11351
885-10640-1 MS	74-03	Total/NA	Water	351.2	11351
885-10640-1 MSD	74-03	Total/NA	Water	351.2	11351

Eurofins Albuquerque

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9/18/2024

Lab Chronicle

Client: EA Engineering Job ID: 885-10640-1

Project/Site: Buena Vista Dairy 2

Client Sample ID: 74-03

Date Collected: 08/26/24 13:52 Date Received: 08/27/24 10:00 Lab Sample ID: 885-10640-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11157	RC	EET ALB	08/27/24 23:56
Total/NA	Analysis	300.0		100	11156	RC	EET ALB	08/28/24 00:33
Total/NA	Analysis	2540C		1	11366	ES	EET ALB	08/29/24 15:56
Total/NA	Prep	351.2			11351	DL	EET ALB	08/29/24 14:31
Total/NA	Analysis	351.2		1	11472	MA	EET ALB	08/30/24 13:16

Client Sample ID: 74-02

Date Collected: 08/26/24 15:13

Date Received: 08/27/24 10:00

ab Sample ID: 885-10640-2

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11157	RC	EET ALB	08/28/24 00:45
Total/NA	Analysis	300.0		100	11156	RC	EET ALB	08/28/24 00:58
Total/NA	Analysis	2540C		1	11366	ES	EET ALB	08/29/24 15:56
Total/NA	Prep	351.2			11351	DL	EET ALB	08/29/24 14:31
Total/NA	Analysis	351.2		1	11472	MA	EET ALB	08/30/24 13:22

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-10640-1

Project/Site: Buena Vista Dairy 2

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
The following analytes	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analyte
for which the agency do	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELA	P	NM100001	02-26-25
• •	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

9/18/2024

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ing, Science, ess: ess: 6 SW Suite 505-715~	Standard Rush Project Name: Buena Vista 2 Project #: Project Manager: Gina Mullen	www.hallenvironme www.hallenvironme 901 Hawkins NE - Albuquera el. 505-345-3975 Fax 50 Analysis Re	LABORATORY antal.com que, NM 871 b5-345-4107 equest 885-10540 COC
□ Az Comp □ Other ■ Matrix S	er: : : : : : : : : : : : : : : : : : :	Mitrate/Nitrites EPA Methorate EPA 300 TDS SM 2540 C MOD Sulfate EPA 300 Phosphorus EPA 6010B Total Sulfur	
8-26 13:52 Gw 74-03 8-26 15:13 Gw 74-02	7 7	X X X X X X X X X X X X X X X X X X X	
Date: Time: Relinquished by: 8-26 (LC) SS MM Care Time Remarks: Care Time Remarks:	Received by: Via: Date Time Received by: Via: Date Time	e Remarks:	

Chain-of-Custody Record	Turn-Around Time:	THE TANK DE LANGE	NTAI
Client:	☑ Standard □ Rush		ATORY
EA Engineering, Science, and Technology	Project Name:	www.hallenvironmental.com	
Mailing Address:	Buena Vista 2	4901 Hawkins NE - Albuquerque, NM 871	1
320 Gold Ave SW Suite	Project #:	Tel. 505-345-3975 Fax 505-345-4107	4
Phone #: 505-715-4279			Dec a
email or Fax#: rmullen@eaest.com	Project Manager:		885-10640 COC
QA/QC Package:	Gina Mullen		
☐ Standard ☐ Level 4 (Full Validation)		۵	
Accreditation:	r: An	00 00	
C EDD (Type)	# of Coolers:	° Eb √0 (40 (5) √0 (5)	
	TD(including CF): 4.4 ± 0.0 = 4.4	1.2 B 25.4 EPA	
Date Time Matrix Sample Name	Container Preservative HEAL No.	Vitrate/I Chlorido TDS SN Sulfate Phosph Total So	
58		× ×	
8-26 15:13 Gw 74-02	2	N X X X	
Date: Time: Relinquished by: 8-26 16:55 MM	Received by: Via: Date Time III	Remarks:	
Relinquishe	Received by: Via: OAD Date Time		
If necessary, samples submitted to Hall Environmental may be subcontracted to oth	 ubcontracted to other accredited laboratories. This serves as notice of this	 er accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report	sal report.

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-10640-1

Login Number: 10640 List Source: Eurofins Albuquerque

List Number: 1

Creator: Dominguez, Desiree

oreator. Dominguez, Desiree		
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
ls the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

Generated 9/19/2024 8:09:25 AM

JOB DESCRIPTION

Buena Vista Dairy 2

JOB NUMBER

885-10810-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/19/2024 8:09:25 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Laboratory Job ID: 885-10810-1

Project/Site: Buena Vista Dairy 2

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10810-1

Project/Site: Buena Vista Dairy 2

Glossary

MDL

MPN

MQL

NC

ND

NEG

POS

PQL

QC RER

RL

RPD TEF

TEQ

TNTC

PRES

ML

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

Case Narrative

Client: EA Engineering Project: Buena Vista Dairy 2

Job ID: 885-10810-1 Eurofins Albuquerque

Job Narrative 885-10810-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 8/29/2024 8:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

Receipt Exceptions

The Chain-of-Custody (COC) was improperly completed: COC contains non-valid text corrections (White-out).

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

9/19/2024

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Job ID: 885-10810-1

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Client Sample Results

Client: EA Engineering Job ID: 885-10810-1

Project/Site: Buena Vista Dairy 2

Client Sample ID: 74-01

Lab Sample ID: 885-10810-1

09/11/24 13:31

09/09/24 11:46

Matrix: Water

Date Collected: 08/28/24 14:40 Date Received: 08/29/24 08:30

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	860		50	mg/L			08/29/24 16:27	100
Nitrate Nitrite as N	40		2.0	mg/L			08/29/24 15:50	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3200		500	mg/L			09/03/24 10:36	1

0.50

mg/L

ND

0

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Client: EA Engineering

Project/Site: Buena Vista Dairy 2

Job ID: 885-10810-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11395/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11395

мв мв

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 08/29/24 08:50

Lab Sample ID: LCS 885-11395/8 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11395

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Red	Limits	
Chloride	5.00	4.67	,	mg/L		93	90 - 110	

Lab Sample ID: MRL 885-11395/3 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11395

MRL MRL %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.517 mg/L 103 50 - 150

Lab Sample ID: MB 885-11396/17 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11396

мв мв

Result Qualifier RL Unit Analyte D Prepared Analyzed 0.20 mg/L Nitrate Nitrite as N ND 08/29/24 08:50

Lab Sample ID: LCS 885-11396/21 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 11396

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate Nitrite as N 3.50 3.41 97 90 - 110 mg/L

Lab Sample ID: MRL 885-11396/16 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 11396

Spike MRL MRL %Rec Added Analyte Result Qualifier Unit D %Rec Limits Nitrate Nitrite as N 0.200 0.201 mg/L 100 50 - 150

Lab Sample ID: 885-10810-1 MS

Matrix: Water

Analysis Batch: 11396

MS MS %Rec Sample Sample Spike Result Qualifier Result Qualifier Added Limits Analyte Unit D %Rec Nitrate Nitrite as N 40 35.0 74.5 mg/L 98 80 - 120

Lab Sample ID: 885-10810-1 MSD

Matrix: Water

Analysis Batch: 11396									•		
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N	40		35.0	75.2		mg/L		100	80 - 120	1	20

Eurofins Albuquerque

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Dil Fac

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: 74-01

Prep Type: Total/NA

Client Sample ID: 74-01

Prep Type: Total/NA

9/19/2024

Client: EA Engineering

Project/Site: Buena Vista Dairy 2

Job ID: 885-10810-1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11506/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11506

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			09/03/24 10:36	1

Lab Sample ID: LCS 885-11506/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11506

•	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	 1000	1020		mg/L		102	80 - 120	

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11851/3-A Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA **Analysis Batch: 12273** Prep Batch: 11851 MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Nitrogen, Total Kjeldahl ND 0.50 mg/L 09/09/24 11:46 09/11/24 13:19

Lab Sample ID: LCS 885-11851/5-A

Matrix: Water

Analysis Batch: 12273

Prep Batch: 11851 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 10.0 9.98 90 - 110 mg/L

Lab Sample ID: LLCS 885-11851/4-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12273

Prep Batch: 11851 Spike LLCS LLCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 0.500 ND 88 50 - 150 mg/L

Eurofins Albuquerque

QC Association Summary

Client: EA Engineering

Project/Site: Buena Vista Dairy 2

Job ID: 885-10810-1

HPLC/IC

Analysis Batch: 11395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10810-1	74-01	Total/NA	Water	300.0	
MB 885-11395/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11395/8	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11395/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10810-1	74-01	Total/NA	Water	300.0	
MB 885-11396/17	Method Blank	Total/NA	Water	300.0	
LCS 885-11396/21	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11396/16	Lab Control Sample	Total/NA	Water	300.0	
885-10810-1 MS	74-01	Total/NA	Water	300.0	
885-10810-1 MSD	74-01	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 11506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10810-1	74-01	Total/NA	Water	2540C	
MB 885-11506/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11506/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 11851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10810-1	74-01	Total/NA	Water	351.2	
MB 885-11851/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11851/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11851/4-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 12273

Lab Sample ID 885-10810-1	Client Sample ID 74-01	Prep Type Total/NA	Water	Method 351.2	Prep Batch 11851
MB 885-11851/3-A	Method Blank	Total/NA	Water	351.2	11851
LCS 885-11851/5-A	Lab Control Sample	Total/NA	Water	351.2	11851
LLCS 885-11851/4-A	Lab Control Sample	Total/NA	Water	351.2	11851

9/19/2024

Lab Chronicle

Client: EA Engineering Job ID: 885-10810-1

Project/Site: Buena Vista Dairy 2

Date Received: 08/29/24 08:30

Client Sample ID: 74-01

Lab Sample ID: 885-10810-1 Date Collected: 08/28/24 14:40

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** Lab or Analyzed Total/NA 300.0 11396 RC 08/29/24 15:50 Analysis 10 EET ALB Total/NA Analysis 300.0 100 11395 RC **EET ALB** 08/29/24 16:27 Total/NA Analysis 2540C 11506 ES **EET ALB** 09/03/24 10:36 1 351.2 **EET ALB** 09/09/24 11:46 Total/NA Prep 11851 DL Total/NA Analysis 351.2 12273 DL **EET ALB** 09/11/24 13:31 1

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-10810-1

Project/Site: Buena Vista Dairy 2

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date
New Mexico Sta			NM9425, NM0901	02-26-25
0 ,	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELA	P	NM100001	02-26-25
• •	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-10810-1

Login Number: 10810 List Source: Eurofins Albuquerque

List Number: 1

Creator: Proctor, Nancy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	False	COC does, however, contains non-validated text corrections.
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

Generated 9/19/2024 8:15:29 AM

JOB DESCRIPTION

Buena Vista Dairy 2

JOB NUMBER

885-10921-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/19/2024 8:15:29 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering

Laboratory Job ID: 885-10921-1

Project/Site: Buena Vista Dairy 2

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10921-1

Project/Site: Buena Vista Dairy 2

Qualifiers

HPLC/IC

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor

Dil Fac Dilution Facto

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: EA Engineering Project: Buena Vista Dairy 2

Job ID: 885-10921-1 Eurofins Albuquerque

Job Narrative 885-10921-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/30/2024 8:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C.

HPLC/IC

Method 300_OF_48H_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 885-11452 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

9/19/2024

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Job ID: 885-10921-1

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Client Sample Results

Client: EA Engineering Job ID: 885-10921-1

Project/Site: Buena Vista Dairy 2

Client Sample ID: 74-04

Lab Sample ID: 885-10921-1

Date Collected: 08/29/24 10:00 **Matrix: Water** Date Received: 08/30/24 08:35

Method: EPA 300.0 - Anions, Ion C	hromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	660		50	mg/L			08/30/24 14:52	100
Nitrate Nitrite as N	11		2.0	mg/L			08/30/24 14:15	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2300		250	mg/L			09/04/24 09:42	1
Nitrogen, Total Kieldahl (EPA 351.2)	ND		0.50	ma/l		09/09/24 12:19	09/11/24 14:51	1

Client Sample Results

Client: EA Engineering Job ID: 885-10921-1

Project/Site: Buena Vista Dairy 2

Date Collected: 08/29/24 11:55

Date Received: 08/30/24 08:35

Client Sample ID: 74-05

Lab Sample ID: 885-10921-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	630		50	mg/L			08/30/24 15:17	100
Nitrate Nitrite as N	15		2.0	mg/L			08/30/24 15:05	10
- General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2300		250	mg/L			09/04/24 09:42	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/09/24 12:19	09/11/24 14:53	1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client Sample ID: 74-04

Prep Type: Total/NA

Client: EA Engineering

Project/Site: Buena Vista Dairy 2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11450/4

Matrix: Water

Analysis Batch: 11450

мв мв

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 08/30/24 13:51

Lab Sample ID: LCS 885-11450/5

Matrix: Water

Analysis Batch: 11450

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 5.00 4.87 mg/L 97 90 - 110

Lab Sample ID: MRL 885-11450/3

Matrix: Water

Analysis Batch: 11450

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.523 mg/L 105 50 - 150

Lab Sample ID: MB 885-11452/4

Matrix: Water

Analysis Batch: 11452

мв мв

Result Qualifier RL Analyte Unit D Prepared Analyzed Dil Fac 0.20 Nitrate Nitrite as N ND 08/30/24 13:51 mg/L

Lab Sample ID: LCS 885-11452/5

Matrix: Water

Analysis Batch: 11452

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate 2.50 2.57 103 90 - 110 mg/L Nitrite 1.00 0.949 mg/L 95 90 - 110 3.50 3.52 Nitrate Nitrite as N mg/L 101 90 - 110

Lab Sample ID: MRL 885-11452/3

Matrix: Water

Analysis Batch: 11452

Spike MRL MRL %Rec Added Result Qualifier %Rec Limits Analyte Unit 0.100 50 - 150 Nitrate 0.0968 J 97 mg/L 0.0999 0.104 Nitrite mg/L 105 50 - 150 0.200 50 - 150 Nitrate Nitrite as N 0.201 mg/L 100

Lab Sample ID: 885-10921-1 MS

Matrix: Water

Analysis Batch: 11452

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	11		25.0	36.7		mg/L		104	80 - 120	
Nitrate Nitrite as N	11		35.0	43.9		mg/L		94	80 - 120	

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Job ID: 885-10921-1

Client Sample ID: 74-04

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11855

Client: EA Engineering Project/Site: Buena Vista Dairy 2

Lab Sample ID: 885-10921-1 MSD

Method: 300.0 - Anions, Ion Chromatography (Continued)

Matrix: Water				Prep Type: ⁻	Total/NA
Analysis Batch: 11452					
	Sample Sample	Spike	MSD MSD	%Rec	RPD

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Nitrate 11 25.0 36.5 mg/L 103 80 - 120 20 Nitrate Nitrite as N 11 35.0 43.8 mg/L 94 80 - 120 20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11569/1

Matrix: Water

Analysis Batch: 11569

мв мв

Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			09/04/24 09:42	1

Lab Sample ID: LCS 885-11569/2

Matrix: Water

Analysis Batch: 11569

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	1000	1010		mg/L		101	80 - 120	

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11855/3-A

Matrix: Water

Analysis Batch: 12273

			MB	МВ

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND	0.50	mg/L		09/09/24 12:19	09/11/24 14:39	1

Lab Sample ID: LCS 885-11855/5-A

Matrix: Water

Analysis Batch: 12273								Pre	p Batch:	11855
	\$	Spike	LCS	LCS				%Rec		
Analyte	A	dded	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrogen, Total Kieldahl		10.0	9.89		ma/L		99	90 - 110		

Lab Sample ID: LLCS 885-11855/4-A

Matrix: Water

Analysis Batch: 12273							Prep	Batch: 11855
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	

ts Nitrogen, Total Kjeldahl 0.500 ND mg/L 50 - 150

Eurofins Albuquerque

9/19/2024

QC Association Summary

Client: EA Engineering

Job ID: 885-10921-1 Project/Site: Buena Vista Dairy 2

HPLC/IC

Analysis Batch: 11450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10921-1	74-04	Total/NA	Water	300.0	
885-10921-2	74-05	Total/NA	Water	300.0	
MB 885-11450/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11450/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11450/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10921-1	74-04	Total/NA	Water	300.0	<u> </u>
885-10921-2	74-05	Total/NA	Water	300.0	
MB 885-11452/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11452/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11452/3	Lab Control Sample	Total/NA	Water	300.0	
885-10921-1 MS	74-04	Total/NA	Water	300.0	
885-10921-1 MSD	74-04	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 11569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10921-1	74-04	Total/NA	Water	2540C	
885-10921-2	74-05	Total/NA	Water	2540C	
MB 885-11569/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11569/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 11855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10921-1	74-04	Total/NA	Water	351.2	
885-10921-2	74-05	Total/NA	Water	351.2	
MB 885-11855/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11855/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11855/4-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 12273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10921-1	74-04	Total/NA	Water	351.2	11855
885-10921-2	74-05	Total/NA	Water	351.2	11855
MB 885-11855/3-A	Method Blank	Total/NA	Water	351.2	11855
LCS 885-11855/5-A	Lab Control Sample	Total/NA	Water	351.2	11855
LLCS 885-11855/4-A	Lab Control Sample	Total/NA	Water	351.2	11855

Eurofins Albuquerque

Lab Chronicle

Client: EA Engineering Job ID: 885-10921-1

Project/Site: Buena Vista Dairy 2

Client Sample ID: 74-04

Date Collected: 08/29/24 10:00 Date Received: 08/30/24 08:35 Lab Sample ID: 885-10921-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11452	RC	EET ALB	08/30/24 14:15
Total/NA	Analysis	300.0		100	11450	RC	EET ALB	08/30/24 14:52
Total/NA	Analysis	2540C		1	11569	ES	EET ALB	09/04/24 09:42
Total/NA	Prep	351.2			11855	HR	EET ALB	09/09/24 12:19
Total/NA	Analysis	351.2		1	12273	DL	EET ALB	09/11/24 14:51

Client Sample ID: 74-05 Lab Sample ID: 885-10921-2

Date Collected: 08/29/24 11:55 Matrix: Water

Date Received: 08/30/24 08:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11452	RC	EET ALB	08/30/24 15:05
Total/NA	Analysis	300.0		100	11450	RC	EET ALB	08/30/24 15:17
Total/NA	Analysis	2540C		1	11569	ES	EET ALB	09/04/24 09:42
Total/NA	Prep	351.2			11855	HR	EET ALB	09/09/24 12:19
Total/NA	Analysis	351.2		1	12273	DL	EET ALB	09/11/24 14:53

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-10921-1

Project/Site: Buena Vista Dairy 2

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority Program		am	Identification Number	Expiration Date 02-26-25
New Mexico	State		NM9425, NM0901	
The following analytes	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	st may include analyte
for which the agency do	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELAP		NM100001	02-26-25
0 ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	st may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-10921-1

Login Number: 10921 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

Generated 10/1/2024 3:44:51 PM

JOB DESCRIPTION

Dona Ana Dairies

JOB NUMBER

885-11437-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975 2

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Client: EA Engineering Laboratory Job ID: 885-11437-1 Project/Site: Dona Ana Dairies

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Definitions/Glossary

Client: EA Engineering Job ID: 885-11437-1

Project/Site: Dona Ana Dairies

Qualifiers

HPLC/IC

Qualifier Qualifier Description

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Albuquerque

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Case Narrative

Client: EA Engineering Project: Dona Ana Dairies

Job ID: 885-11437-1 Eurofins Albuquerque

Job Narrative 885-11437-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/10/2024 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

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Job ID: 885-11437-1

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Client: EA Engineering Job ID: 885-11437-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-01 Lab Sample ID: 885-11437-1

Date Collected: 09/09/24 10:00 Matrix: Water
Date Received: 09/10/24 08:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		10	mg/L			09/10/24 15:50	20
Nitrate	7.8		0.50	mg/L			09/10/24 15:38	5
Nitrite	ND		0.50	mg/L			09/10/24 15:38	5
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		100	mg/L			09/13/24 09:26	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/18/24 10:28	09/19/24 15:57	1

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Client: EA Engineering Job ID: 885-11437-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-12

Lab Sample ID: 885-11437-2 Date Collected: 09/09/24 11:20

Matrix: Water Date Received: 09/10/24 08:40

Method: EPA 300.0 - Anions, Ion Chromatography Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride 50 mg/L 09/13/24 12:33 790 100 09/10/24 15:26 **Nitrate** 11 2.0 mg/L 20 Nitrite ND 2.0 mg/L 09/10/24 15:26 20 **General Chemistry** Result Qualifier Dil Fac Analyte RL Unit D Prepared Analyzed Total Dissolved Solids (SM 2540C) 3100 100 mg/L 09/13/24 09:26 Nitrogen, Total Kjeldahl (EPA 0.50 0.70 mg/L 09/18/24 10:28 09/19/24 15:59 351.2)

Client: EA Engineering Job ID: 885-11437-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-14

Lab Sample ID: 885-11437-3

Date Collected: 09/09/24 12:43 Matrix: Water Date Received: 09/10/24 08:40

Method: EPA 300.0 - Anions, Ion Chromatography Analyte RL Unit Result Qualifier D Prepared Analyzed Dil Fac Chloride 50 mg/L 09/13/24 11:55 1200 100 **Nitrate** 88 2.0 mg/L 09/10/24 16:15 20 Nitrite ND 2.0 mg/L 09/10/24 16:15 20 **General Chemistry** Result Qualifier Dil Fac Analyte RL Unit D Prepared Analyzed Total Dissolved Solids (SM 2540C) 4200 250 mg/L 09/13/24 09:26 ND 0.50 Nitrogen, Total Kjeldahl (EPA 351.2) mg/L 09/18/24 10:28 09/19/24 16:00

Client: EA Engineering Job ID: 885-11437-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-11 Lab Sample ID: 885-11437-4 Date Collected: 09/09/24 15:37

Matrix: Water

Date Received: 09/10/24 08:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		50	mg/L			09/13/24 12:07	100
Nitrate	48		2.0	mg/L			09/10/24 17:05	20
Nitrite -	ND		2.0	mg/L			09/10/24 17:05	20
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4000		250	mg/L			09/13/24 09:26	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/18/24 10:28	09/19/24 16:02	1

Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-11437-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11964/1-A

Matrix: Water

Analysis Batch: 12011

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11964

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/L		09/10/24 15:40	09/10/24 23:52	1
Nitrate	ND		0.30	mg/L		09/10/24 15:40	09/10/24 23:52	1
Nitrite	ND		0.30	mg/L		09/10/24 15:40	09/10/24 23:52	1

Lab Sample ID: MRL 885-11964/23-A

Matrix: Water

Analysis Batch: 12011

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11964

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1.50	1.60		mg/L		107	50 - 150	
Nitrate	0.300	0.286	J	mg/L		95	50 - 150	
Nitrite	0.300	0.306		mg/L		102	50 - 150	

Lab Sample ID: MB 885-12011/16

Matrix: Water

Analysis Batch: 12011

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 09/10/24 12:33

Lab Sample ID: LCS 885-12011/26

Matrix: Water

Analysis Batch: 12011

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.00	4 61		ma/l	_	92	90 - 110	

Lab Sample ID: MRL 885-12011/15

Matrix: Water

Analysis Batch: 12011

_		Spike	MRL	MRL				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		0.500	0.526		mg/L	_	105	50 - 150	

Lab Sample ID: MB 885-12012/21

Matrix: Water

Analysis Batch: 12012

мв мв RL Unit Analyte Result Qualifier Prepared Analyzed Dil Fac Nitrate 0.10 ND mg/L 09/10/24 12:33 Nitrite ND 0.10 mg/L

Lab Sample ID: LCS 885-12012/31

Matrix: Water

Analysis Batch: 12012

•	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier	Unit D	%Rec	Limits	
Nitrate	2.50	2.40		mg/L	96	90 - 110	
Nitrite	1.00	0.917		mg/L	92	90 - 110	

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Prep Type: Total/NA

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client: EA Engineering

Project/Site: Dona Ana Dairies

Job ID: 885-11437-1

Lab Sample ID: MRL 885-12012/20					Client	Sample	ID: Lab Co	ontrol Samp	le
Matrix: Water							Prep T	ype: Total/N	IA
Analysis Batch: 12012									
	Spike	MRL	MRL				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate	0.100	0.0974	J	mg/L		97	50 - 150		
Nitrite	0.0999	0.103		mg/L		103	50 - 150		

Lab Sample ID: MB 885-12237/23 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12237

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride ND 0.50 09/13/24 12:46 mg/L

Lab Sample ID: MB 885-12237/4 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12237

мв мв Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Chloride 0.50 ND 09/13/24 08:41 mg/L

Lab Sample ID: LCS 885-12237/24 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12237

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 5.00 4.80 mg/L 90 - 110

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 885-12237/5 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12237

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Chloride 5.00 4.89 mg/L 98 90 - 110

Lab Sample ID: MRL 885-12237/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12237

MRL MRL %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.526 mg/L 105 50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-12210/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12210

7, 6.0 2 12210	МВ	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			09/13/24 09:26	1

QC Sample Results

Client: EA Engineering Job ID: 885-11437-1

Project/Site: Dona Ana Dairies

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 885-12210/2 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 12210									
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Total Dissolved Solids	1000	992		mg/L		99	80 - 120		

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-12466/3-A Client Sample ID: Method Blank **Prep Type: Total/NA**

Matrix: Water Analysis Batch: 12613

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		09/18/24 10:28	09/19/24 15:39	1

Lab Sample ID: LCS 885-12466/5-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12613							Prep	Batch: 12466
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	10.0	10.1		mg/L		101	90 - 110	

Lab Sample ID: LLCS 885-12466/4-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12613						Prep Batch: 1	2466
	Spike	LLCS LLCS				%Rec	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	
Nitrogen Total Kieldahl	0.500	0.646	ma/l	_	129	50 150	

Prep Type: Total/NA

Prep Batch: 12466

Job ID: 885-11437-1

Client: EA Engineering Project/Site: Dona Ana Dairies

HPLC/IC

Prep Batch: 11964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-11964/1-A	Method Blank	Total/NA	Water	300_Prep	
MRL 885-11964/23-A	Lab Control Sample	Total/NA	Water	300_Prep	

Analysis Batch: 12011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11437-1	DAD-01	Total/NA	Water	300.0	
MB 885-11964/1-A	Method Blank	Total/NA	Water	300.0	11964
MB 885-12011/16	Method Blank	Total/NA	Water	300.0	
LCS 885-12011/26	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11964/23-A	Lab Control Sample	Total/NA	Water	300.0	11964
MRL 885-12011/15	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 12012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11437-1	DAD-01	Total/NA	Water	300.0	
885-11437-2	DAD-12	Total/NA	Water	300.0	
885-11437-3	DAD-14	Total/NA	Water	300.0	
885-11437-4	DAD-11	Total/NA	Water	300.0	
MB 885-11964/1-A	Method Blank	Total/NA	Water	300.0	11964
MB 885-12012/21	Method Blank	Total/NA	Water	300.0	
LCS 885-12012/31	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11964/23-A	Lab Control Sample	Total/NA	Water	300.0	11964
MRL 885-12012/20	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 12237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11437-2	DAD-12	Total/NA	Water	300.0	
885-11437-3	DAD-14	Total/NA	Water	300.0	
885-11437-4	DAD-11	Total/NA	Water	300.0	
MB 885-12237/23	Method Blank	Total/NA	Water	300.0	
MB 885-12237/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12237/24	Lab Control Sample	Total/NA	Water	300.0	
_CS 885-12237/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12237/3	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 12210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11437-1	DAD-01	Total/NA	Water	2540C	
885-11437-2	DAD-12	Total/NA	Water	2540C	
885-11437-3	DAD-14	Total/NA	Water	2540C	
885-11437-4	DAD-11	Total/NA	Water	2540C	
MB 885-12210/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12210/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 12466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11437-1	DAD-01	Total/NA	Water	351.2	_ _
885-11437-2	DAD-12	Total/NA	Water	351.2	
885-11437-3	DAD-14	Total/NA	Water	351.2	

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QC Association Summary

Client: EA Engineering Job ID: 885-11437-1

Project/Site: Dona Ana Dairies

General Chemistry (Continued)

Prep Batch: 12466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11437-4	DAD-11	Total/NA	Water	351.2	
MB 885-12466/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-12466/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-12466/4-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 12613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11437-1	DAD-01	Total/NA	Water	351.2	12466
885-11437-2	DAD-12	Total/NA	Water	351.2	12466
885-11437-3	DAD-14	Total/NA	Water	351.2	12466
885-11437-4	DAD-11	Total/NA	Water	351.2	12466
MB 885-12466/3-A	Method Blank	Total/NA	Water	351.2	12466
LCS 885-12466/5-A	Lab Control Sample	Total/NA	Water	351.2	12466
LLCS 885-12466/4-A	Lab Control Sample	Total/NA	Water	351.2	12466

Job ID: 885-11437-1

Client: EA Engineering Project/Site: Dona Ana Dairies

Client Sample ID: DAD-01 Date Collected: 09/09/24 10:00

Lab Sample ID: 885-11437-1

Matrix: Water

Date Received: 09/10/24 08:40

	Batch Batch			Dilution Batch				Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		5	12012	RC	EET ALB	09/10/24 15:38
Total/NA	Analysis	300.0		20	12011	RC	EET ALB	09/10/24 15:50
Total/NA	Analysis	2540C		1	12210	ES	EET ALB	09/13/24 09:26
Total/NA	Prep	351.2			12466	HR	EET ALB	09/18/24 10:28
Total/NA	Analysis	351.2		1	12613	HR	EET ALB	09/19/24 15:57

Lab Sample ID: 885-11437-2

Matrix: Water

Date Collected: 09/09/24 11:20 Date Received: 09/10/24 08:40

Client Sample ID: DAD-12

Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** or Analyzed Lab 09/13/24 12:33 Total/NA 300.0 12237 RC **EET ALB** Analysis 100 Total/NA Analysis 300.0 20 12012 RC **EET ALB** 09/10/24 15:26 Total/NA Analysis 2540C 12210 ES **EET ALB** 09/13/24 09:26 351.2 Total/NA Prep 12466 HR **EET ALB** 09/18/24 10:28 Total/NA Analysis 351.2 12613 HR **EET ALB** 09/19/24 15:59

Client Sample ID: DAD-14 Lab Sample ID: 885-11437-3

Matrix: Water

Date Collected: 09/09/24 12:43 Date Received: 09/10/24 08:40

Batch		Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	12237	RC	EET ALB	09/13/24 11:55
Total/NA	Analysis	300.0		20	12012	RC	EET ALB	09/10/24 16:15
Total/NA	Analysis	2540C		1	12210	ES	EET ALB	09/13/24 09:26
Total/NA	Prep	351.2			12466	HR	EET ALB	09/18/24 10:28
Total/NA	Analysis	351.2		1	12613	HR	EET ALB	09/19/24 16:00

Client Sample ID: DAD-11 Lab Sample ID: 885-11437-4

Date Collected: 09/09/24 15:37 **Matrix: Water** Date Received: 09/10/24 08:40

	Batch	Batch		Dilution	Batch			Prepared	
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total/NA	Analysis	300.0		100	12237	RC	EET ALB	09/13/24 12:07	
Total/NA	Analysis	300.0		20	12012	RC	EET ALB	09/10/24 17:05	
Total/NA	Analysis	2540C		1	12210	ES	EET ALB	09/13/24 09:26	
Total/NA	Prep	351.2			12466	HR	EET ALB	09/18/24 10:28	
Total/NA	Analysis	351.2		1	12613	HR	EET ALB	09/19/24 16:02	

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

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Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-11437-1

Project/Site: Dona Ana Dairies

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date		
New Mexico	State		NM9425, NM0901	02-26-25		
The following analytes	are included in this report, bu	ut the laboratory is not certi	fied by the governing authority. This lis	t may include analytes		
for which the agency d	oes not offer certification.	•				
Analysis Method	Prep Method	Matrix	Analyte			
2540C		Water	Total Dissolved Solids			
300.0		Water	Chloride			
300.0		Water	Nitrate			
300.0		Water	Nitrite			
351.2	351.2	Water	Nitrogen, Total Kjeldahl			
Oregon	NELA	Р	NM100001	02-26-25		
0 ,	are included in this report, bu	ut the laboratory is not certi	fied by the governing authority. This lis	t may include analytes		
Analysis Method	Prep Method	Matrix	Analyte			
351.2	351.2	Water	Nitrogen Total Kieldahl	Nitrogen, Total Kjeldahl		

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11437-1

Login Number: 11437 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Eurofins Albuquerque

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

JOB DESCRIPTION

Generated 9/27/2024 1:49:21 PM

Dona Ana Dairies

JOB NUMBER

885-11543-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/27/2024 1:49:21 PM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975 2

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Client: EA Engineering Project/Site: Dona Ana Dairies Laboratory Job ID: 885-11543-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-11543-1

Project/Site: Dona Ana Dairies

Qualifiers

HPLC/IC

Qualifier	Qualifier Description	
	•	

MS and/or MSD recovery exceeds control limits.

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.							
n	Listed under the "D" column to designate that the result is reported on a dry weight basis							
%R	Percent Recovery							
CFL	Contains Free Liquid							
CFU	Colony Forming Unit							
CNF	Contains No Free Liquid							
DER	Duplicate Error Ratio (normalized absolute difference)							
Dil Fac	Dilution Factor							
DL	Detection Limit (DoD/DOE)							
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample							

Decision Level Concentration (Radiochemistry) DLC EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number MQL Method Quantitation Limit

Not Calculated NC

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: EA Engineering Project: Dona Ana Dairies

Eurofins Albuquerque Job ID: 885-11543-1

Job Narrative 885-11543-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/11/2024 8:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Job ID: 885-11543-1

Client: EA Engineering Job ID: 885-11543-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-13

Lab Sample ID: 885-11543-1 Date Collected: 09/10/24 10:51 Matrix: Water

Date Received: 09/11/24 08:50

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	510		50	mg/L			09/11/24 23:43	100
Nitrate	2.6		1.0	mg/L			09/11/24 23:06	10
Nitrite	ND	F1	1.0	mg/L			09/11/24 23:06	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1900		250	mg/L			09/16/24 09:13	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/18/24 10:28	09/19/24 16:23	1

Eurofins Albuquerque

Client: EA Engineering Job ID: 885-11543-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-23 Lab Sample ID: 885-11543-2

Date Collected: 09/10/24 12:24 Matrix: Water

Date Received: 09/11/24 08:50

Method: EPA 300.0 - Anions, Ion Cl		•						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		50	mg/L			09/12/24 00:07	100
Nitrate	19		1.0	mg/L			09/11/24 23:55	10
Nitrite -	ND		1.0	mg/L			09/11/24 23:55	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		250	mg/L			09/16/24 09:13	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/18/24 10:28	09/19/24 16:24	1

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Client: EA Engineering Job ID: 885-11543-1

Project/Site: Dona Ana Dairies

Date Received: 09/11/24 08:50

Client Sample ID: DAD-02 Lab Sample ID: 885-11543-3 Date Collected: 09/10/24 13:50

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	710		50	mg/L			09/12/24 00:32	100
Nitrate	5.4		1.0	mg/L			09/12/24 00:20	10
Nitrite	ND		1.0	mg/L			09/12/24 00:20	10
- General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2300		250	mg/L			09/16/24 09:13	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		1.3	mg/L		09/18/24 10:28	09/19/24 16:51	1

Client: EA Engineering Job ID: 885-11543-1

Project/Site: Dona Ana Dairies

351.2)

Client Sample ID: DAD-03 Lab Sample ID: 885-11543-4 Date Collected: 09/10/24 15:28

Matrix: Water

Analyzed

09/12/24 00:57

09/12/24 00:44

Date Received: 09/11/24 08:50 Method: EPA 300.0 - Anions, Ion Chromatography Analyte Result Qualifier RL Unit D Prepared Chloride 290 50 mg/L Nitrate ND 1.0

Nitrite	ND		1.0	mg/L			09/12/24 00:44	10	
General Chemistry									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total Dissolved Solids (SM 2540C)	2100		250	mg/L			09/16/24 09:13	1	
Nitrogen, Total Kjeldahl (EPA	1.3		1.3	mg/L		09/18/24 10:28	09/19/24 16:38	1	

mg/L

Dil Fac

100

Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-11543-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12090/57 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

Analysis Batch: 12090

MB MB Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 09/11/24 21:02

Lab Sample ID: MB 885-12090/9 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12090

MB MB Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride ND 0.50 mg/L 09/11/24 11:08

Lab Sample ID: LCS 885-12090/58 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12090

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 5.00 4.67 mg/L 90 - 110

Lab Sample ID: MRL 885-12090/8 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12090

MRL MRL Spike %Rec Added %Rec Analyte Result Qualifier Unit Limits Chloride 0.500 0.526 105 50 - 150 mg/L

Lab Sample ID: MB 885-12091/57 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12091

мв мв RL Analyte Result Qualifier Unit D Prepared Analyzed Dil Fac 0.10 Nitrate ND mg/L 09/11/24 21:02 Nitrite ND 0.10 mg/L 09/11/24 21:02

Lab Sample ID: MB 885-12091/9 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12091

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Nitrate ND 0.10 mg/L 09/11/24 11:08 ND 0.10 09/11/24 11:08 Nitrite mg/L

Lab Sample ID: LCS 885-12091/58 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12091

LCS LCS %Rec Spike Added Analyte Result Qualifier Unit D %Rec Limits Nitrate 2.50 2.42 mg/L 97 90 - 110 Nitrite 1.00 0.924 mg/L 92 90 - 110

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Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-11543-1

Client Sample ID: DAD-13

Client Sample ID: DAD-13

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-12091/8

Analysis Batch: 12091

Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits D Nitrate 0.100 0.0972 J mg/L 97 50 - 150 Nitrite 0.0999 0.103 mg/L 103 50 - 150

Lab Sample ID: 885-11543-1 MS

Matrix: Water

Analysis Batch: 12091

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Nitrate 2.6 25.0 27.0 98 80 - 120 mg/L Nitrite ND F1 10.0 7.57 F1 mg/L 76 80 - 120

Lab Sample ID: 885-11543-1 MSD

Matrix: Water

Analysis Batch: 12091

•	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate	2.6		25.0	27.0		mg/L		98	80 - 120	0	20
Nitrite 	ND	F1	10.0	7.55	F1	mg/L		76	80 - 120	0	20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-12278/1

Matrix: Water

Analysis Batch: 12278

мв мв Result

Qualifier Unit Dil Fac Analyte RL D Analyzed Prepared Total Dissolved Solids 50 mg/L 09/16/24 09:13 NΠ

Lab Sample ID: LCS 885-12278/2

Matrix: Water

Analysis Batch: 12278

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	1000	1000		mg/L		100	80 - 120	

Method: 351.2 - Nitrogen, Total Kjeldahl

Analysis Batch: 12613

Lab Sample ID: MB 885-12466/30-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA Prep Batch: 12466

MB MB

Result Qualifier Unit Dil Fac Analyte RL Prepared Analyzed 0.50 09/18/24 10:28 09/19/24 16:26 Nitrogen, Total Kjeldahl ND mg/L

Lab Sample ID: MB 885-12466/3-A

Matrix: Water

Analysis Batch: 12613

мв мв Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac 0.50 09/18/24 10:28 Nitrogen, Total Kjeldahl ND mg/L 09/19/24 15:39

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9/27/2024

Prep Type: Total/NA

Prep Batch: 12466

Client Sample ID: Method Blank

QC Sample Results

Client: EA Engineering Job ID: 885-11543-1

Project/Site: Dona Ana Dairies

Method: 351.2 - Nitrogen,	, Total Kjeldahl	(Continued)
---------------------------	------------------	-------------

Lab Sample ID: LCS 885-12466/32-A

Matrix: Water							Prep 1	Type: Total/N	A
Analysis Batch: 12613							Prep	Batch: 1246	6
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrogen, Total Kjeldahl	10.0	10.3		mg/L		103	90 - 110		_
Lab Sample ID: LCS 885-12466/5-A					Clions	Cample	UD: Lab C	ontrol Sample	_

Matrix: Water								ype: Total/NA
							•	• •
Analysis Batch: 12613							•	Batch: 12466
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	10.0	10.1		mg/L		101	90 - 110	

Lab Sample ID: LLCS 885-12466/31-A					Client	Sample	ID: Lab Co	ontrol Sample
Matrix: Water							Prep 1	Type: Total/NA
Analysis Batch: 12613							Prep	Batch: 12466
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	0.500	0.576		mg/L		115	50 - 150	

Lab Sample ID: LLCS 885-12466/4-A					Client	Sample	ID: Lab C	ontrol Samp	ole
Matrix: Water							Prep '	Type: Total/N	NΑ
Analysis Batch: 12613							Prep	Batch: 124	66
	Spike	LLCS	LLCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrogen, Total Kjeldahl	0.500	0.646		mg/L		129	50 - 150		_

Client Sample ID: Lab Control Sample

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Job ID: 885-11543-1

Prep Batch

Project/Site: Dona Ana Dairies

HPLC/IC

Analysis Batch: 12090

Client: EA Engineering

Analysis Batch: 120	90			
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method
885-11543-1	DAD-13	Total/NA	Water	300.0
885-11543-2	DAD-23	Total/NA	Water	300.0

885-11543-3 Total/NA Water DAD-02 300.0 885-11543-4 DAD-03 Total/NA Water 300.0 MB 885-12090/57 Method Blank Total/NA Water 300.0 MB 885-12090/9 Method Blank Total/NA Water 300.0 LCS 885-12090/58 Lab Control Sample Total/NA Water 300.0 Total/NA 300.0 MRL 885-12090/8 Lab Control Sample Water

Analysis Batch: 12091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11543-1	DAD-13	Total/NA	Water	300.0	
885-11543-2	DAD-23	Total/NA	Water	300.0	
885-11543-3	DAD-02	Total/NA	Water	300.0	
885-11543-4	DAD-03	Total/NA	Water	300.0	
MB 885-12091/57	Method Blank	Total/NA	Water	300.0	
MB 885-12091/9	Method Blank	Total/NA	Water	300.0	
LCS 885-12091/58	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12091/8	Lab Control Sample	Total/NA	Water	300.0	
885-11543-1 MS	DAD-13	Total/NA	Water	300.0	
885-11543-1 MSD	DAD-13	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 12278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11543-1	DAD-13	Total/NA	Water	2540C	
885-11543-2	DAD-23	Total/NA	Water	2540C	
885-11543-3	DAD-02	Total/NA	Water	2540C	
885-11543-4	DAD-03	Total/NA	Water	2540C	
MB 885-12278/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12278/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 12466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11543-1	DAD-13	Total/NA	Water	351.2	
885-11543-2	DAD-23	Total/NA	Water	351.2	
885-11543-3	DAD-02	Total/NA	Water	351.2	
885-11543-4	DAD-03	Total/NA	Water	351.2	
MB 885-12466/30-A	Method Blank	Total/NA	Water	351.2	
MB 885-12466/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-12466/32-A	Lab Control Sample	Total/NA	Water	351.2	
LCS 885-12466/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-12466/31-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-12466/4-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 12613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11543-1	DAD-13	Total/NA	Water	351.2	12466
885-11543-2	DAD-23	Total/NA	Water	351.2	12466
885-11543-3	DAD-02	Total/NA	Water	351.2	12466

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QC Association Summary

Client: EA Engineering Job ID: 885-11543-1

Project/Site: Dona Ana Dairies

General Chemistry (Continued)

Analysis Batch: 12613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11543-4	DAD-03	Total/NA	Water	351.2	12466
MB 885-12466/30-A	Method Blank	Total/NA	Water	351.2	12466
MB 885-12466/3-A	Method Blank	Total/NA	Water	351.2	12466
LCS 885-12466/32-A	Lab Control Sample	Total/NA	Water	351.2	12466
LCS 885-12466/5-A	Lab Control Sample	Total/NA	Water	351.2	12466
LLCS 885-12466/31-A	Lab Control Sample	Total/NA	Water	351.2	12466
LLCS 885-12466/4-A	Lab Control Sample	Total/NA	Water	351.2	12466

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Client: EA Engineering Project/Site: Dona Ana Dairies

Client Sample ID: DAD-13

Date Collected: 09/10/24 10:51 Date Received: 09/11/24 08:50 Lab Sample ID: 885-11543-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12091	JT	EETALB	09/11/24 23:06
Total/NA	Analysis	300.0		100	12090	JT	EET ALB	09/11/24 23:43
Total/NA	Analysis	2540C		1	12278	ES	EET ALB	09/16/24 09:13
Total/NA	Prep	351.2			12466	HR	EET ALB	09/18/24 10:28
Total/NA	Analysis	351.2		1	12613	HR	EET ALB	09/19/24 16:23

Lab Sample ID: 885-11543-2

Matrix: Water

Date Collected: 09/10/24 12:24 Date Received: 09/11/24 08:50

Client Sample ID: DAD-23

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12091	JT	EET ALB	09/11/24 23:55
Total/NA	Analysis	300.0		100	12090	JT	EET ALB	09/12/24 00:07
Total/NA	Analysis	2540C		1	12278	ES	EET ALB	09/16/24 09:13
Total/NA	Prep	351.2			12466	HR	EET ALB	09/18/24 10:28
Total/NA	Analysis	351.2		1	12613	HR	EET ALB	09/19/24 16:24

Client Sample ID: DAD-02

Date Collected: 09/10/24 13:50

Date Received: 09/11/24 08:50

Lab Sample ID: 885-11543-4

Matrix: Water

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12091	JT	EET ALB	09/12/24 00:20
Total/NA	Analysis	300.0		100	12090	JT	EET ALB	09/12/24 00:32
Total/NA	Analysis	2540C		1	12278	ES	EET ALB	09/16/24 09:13
Total/NA	Prep	351.2			12466	HR	EET ALB	09/18/24 10:28
Total/NA	Analysis	351.2		1	12613	HR	EET ALB	09/19/24 16:51

Client Sample ID: DAD-03

Date Collected: 09/10/24 15:28

Date Received: 09/11/24 08:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12091	JT	EET ALB	09/12/24 00:44
Total/NA	Analysis	300.0		100	12090	JT	EET ALB	09/12/24 00:57
Total/NA	Analysis	2540C		1	12278	ES	EET ALB	09/16/24 09:13
Total/NA	Prep	351.2			12466	HR	EET ALB	09/18/24 10:28
Total/NA	Analysis	351.2		1	12613	HR	EET ALB	09/19/24 16:38

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering

Job ID: 885-11543-1

Project/Site: Dona Ana Dairies

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
The following analytes	are included in this report, bu	ut the laboratory is not certi	fied by the governing authority. This lis	st may include analytes
for which the agency de	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELA	Р	NM100001	02-26-25
The following analytes	are included in this report, bu	ut the laboratory is not certi	fied by the governing authority. This lis	st may include analytes
for which the agency de	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11543-1

Login Number: 11543 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or ampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

JOB DESCRIPTION

Generated 9/19/2024 10:57:41 AM

Dona Ana Dairies

JOB NUMBER

885-11686-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/19/2024 10:57:41 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Project/Site: Dona Ana Dairies Laboratory Job ID: 885-11686-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-11686-1

Project/Site: Dona Ana Dairies

Qualifiers

HPLC/IC

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

E Result exceeded calibration range.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: EA Engineering

Job ID: 885-11686-1

Project: Dona Ana Dairies

Job ID: 885-11686-1 Eurofins Albuquerque

Job Narrative 885-11686-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/12/2024 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

HPLC/IC

Method 300_OF_48H_PREC: The following sample was diluted due to the nature of the sample matrix: DAD-16 (885-11686-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 2540C_SingleDry: The analysis volume selected for the following sample produced a base result greater than 200mg before calculation of the final result: DAD-15 (885-11686-1). Reanalysis could not be performed due to holding time exceedance. After analyst visual inspection, the dried samples show no signs of trapped moisture. The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. As such, these data have been qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client: EA Engineering Job ID: 885-11686-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-15 Lab Sample ID: 885-11686-1 Date Collected: 09/11/24 10:20

Matrix: Water

Date Received: 09/12/24 08:40

Method: EPA 300.0 - Anions, Ion Cl	nromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	760		50	mg/L			09/12/24 17:09	100
Nitrate	18		1.0	mg/L			09/12/24 16:57	10
Nitrite	ND		1.0	mg/L			09/12/24 16:57	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700	E	50	mg/L			09/17/24 17:46	1
Nitrogen, Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/16/24 16:33	09/17/24 13:26	1

Client: EA Engineering Job ID: 885-11686-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-04

Lab Sample ID: 885-11686-2

Date Collected: 09/11/24 11:28 Matrix: Water Date Received: 09/12/24 08:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		50	mg/L			09/12/24 17:34	100
Nitrate	5.6		1.0	mg/L			09/12/24 17:22	10
Nitrite	ND		1.0	mg/L			09/12/24 17:22	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2500		100	mg/L			09/17/24 17:46	1
Nitrogen, Kjeldahl (EPA 351.2)	0.98		0.50	mg/L		09/16/24 16:33	09/17/24 13:30	1

9/19/2024

Client: EA Engineering Job ID: 885-11686-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-16

Lab Sample ID: 885-11686-3 Date Collected: 09/11/24 14:10

Matrix: Water

Date Received: 09/12/24 08:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		50	mg/L			09/12/24 18:23	100
Nitrate	ND		1.0	mg/L			09/12/24 18:11	10
Nitrite	ND		1.0	mg/L			09/12/24 18:11	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1700		50	mg/L			09/17/24 17:46	1
Nitrogen, Kjeldahl (EPA 351.2)	0.54		0.50	mg/L		09/16/24 16:33	09/17/24 13:31	1

Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-11686-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12162/4

Matrix: Water

Analysis Batch: 12162

Client Sample ID: Method Blank

Prep Type: Total/NA

мв мв Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 09/12/24 16:07

Lab Sample ID: LCS 885-12162/5 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12162

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 5.00 4.70 mg/L 94 90 - 110

Lab Sample ID: MRL 885-12162/3 Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA

Analysis Batch: 12162 Spike MRL MRL %Rec

Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.512 mg/L 102 50 - 150

Lab Sample ID: MB 885-12164/4 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12164

мв мв Qualifier RL Unit Dil Fac Analyte Result D Prepared Analyzed 0.10 Nitrate ND 09/12/24 16:07 mg/L 09/12/24 16:07 Nitrite ND 0.10 mg/L

Lab Sample ID: LCS 885-12164/5 Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA Analysis Batch: 12164

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits

Nitrate 2.50 2.46 99 90 - 110 mg/L 1.00 0.914 Nitrite 91 90 - 110 mg/L

Lab Sample ID: MRL 885-12164/3 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12164

Spike MRL MRL %Rec Added Result Qualifier Unit %Rec Limits Analyte 96 Nitrate 0.100 0.0964 50 - 150 J mg/L 0.0999 0.0999 J Nitrite mg/L 100 50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-12431/1 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA Analysis Batch: 12431

mg/L

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total Dissolved Solids ND 50 09/17/24 17:46

Eurofins Albuquerque

QC Sample Results

Client: EA Engineering Job ID: 885-11686-1

Project/Site: Dona Ana Dairies

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 885-12431/2 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 12431

Spike LCS LCS %Rec Result Qualifier Analyte Added Unit %Rec Limits Total Dissolved Solids 1000 1020 mg/L 101 80 - 120

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 400-684692/1-A Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA Prep Batch: 684692 Analysis Batch: 684827

MB MB Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.50 09/16/24 11:47 09/17/24 12:51 Nitrogen, Kjeldahl ND mg/L

Lab Sample ID: LCS 400-684692/2-A Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Prep Batch: 684692 Analysis Batch: 684827 LCS LCS Spike %Rec

Analyte Added Result Qualifier Unit %Rec Limits Nitrogen, Kjeldahl 10.0 9.97 mg/L 100 90 - 110

Prep Type: Total/NA

QC Association Summary

Client: EA Engineering Job ID: 885-11686-1

Project/Site: Dona Ana Dairies

HPLC/IC

Analysis Batch: 12162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11686-1	DAD-15	Total/NA	Water	300.0	
885-11686-2	DAD-04	Total/NA	Water	300.0	
885-11686-3	DAD-16	Total/NA	Water	300.0	
MB 885-12162/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12162/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12162/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 12164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11686-1	DAD-15	Total/NA	Water	300.0	
885-11686-2	DAD-04	Total/NA	Water	300.0	
885-11686-3	DAD-16	Total/NA	Water	300.0	
MB 885-12164/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12164/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12164/3	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 12431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11686-1	DAD-15	Total/NA	Water	2540C	
885-11686-2	DAD-04	Total/NA	Water	2540C	
885-11686-3	DAD-16	Total/NA	Water	2540C	
MB 885-12431/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12431/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 684692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11686-1	DAD-15	Total/NA	Water	351.2	
885-11686-2	DAD-04	Total/NA	Water	351.2	
885-11686-3	DAD-16	Total/NA	Water	351.2	
MB 400-684692/1-A	Method Blank	Total/NA	Water	351.2	
LCS 400-684692/2-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 684827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11686-1	DAD-15	Total/NA	Water	351.2	684692
885-11686-2	DAD-04	Total/NA	Water	351.2	684692
885-11686-3	DAD-16	Total/NA	Water	351.2	684692
MB 400-684692/1-A	Method Blank	Total/NA	Water	351.2	684692
LCS 400-684692/2-A	Lab Control Sample	Total/NA	Water	351.2	684692

9/19/2024

Lab Chronicle

Client: EA Engineering Job ID: 885-11686-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-15

Date Collected: 09/11/24 10:20 Date Received: 09/12/24 08:40 Lab Sample ID: 885-11686-1

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** Lab or Analyzed 300.0 09/12/24 16:57 Total/NA Analysis 10 12164 RC **EET ALB** Total/NA Analysis 300.0 100 12162 RC **EET ALB** 09/12/24 17:09 Total/NA Analysis 2540C 12431 KS **EET ALB** 09/17/24 17:46 1 09/16/24 16:33 Total/NA Prep 351.2 684692 VB **EET PEN** Total/NA Analysis 351.2 684827 VB EET PEN 09/17/24 13:26 1

Lab Sample ID: 885-11686-2

Date Collected: 09/11/24 11:28 Matrix: Water

Date Received: 09/12/24 08:40

Client Sample ID: DAD-04

Γ	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12164	RC	EET ALB	09/12/24 17:22
Total/NA	Analysis	300.0		100	12162	RC	EET ALB	09/12/24 17:34
Total/NA	Analysis	2540C		1	12431	KS	EET ALB	09/17/24 17:46
Total/NA	Prep	351.2			684692	VB	EET PEN	09/16/24 16:33
Total/NA	Analysis	351.2		1	684827	VB	EET PEN	09/17/24 13:30

Client Sample ID: DAD-16 Lab Sample ID: 885-11686-3

Date Collected: 09/11/24 14:10

Date Received: 09/12/24 08:40

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12164	RC	EET ALB	09/12/24 18:11
Total/NA	Analysis	300.0		100	12162	RC	EET ALB	09/12/24 18:23
Total/NA	Analysis	2540C		1	12431	KS	EET ALB	09/17/24 17:46
Total/NA	Prep	351.2			684692	VB	EET PEN	09/16/24 16:33
Total/NA	Analysis	351.2		1	684827	VB	EET PEN	09/17/24 13:31

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975 EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Eurofins Albuquerque

9/19/2024

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Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-11686-1 Project/Site: Dona Ana Dairies

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
• .	are included in this report, bu	t the laboratory is not certif	fied by the governing authority. This	list may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
	NELAF	_	NM100001	02-26-25

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-25
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-25

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Chain of Custody Record

Eurofins Albuqurque 4901 Hawkins NE Albuquerque, NM 87109			Chain of Custody Record	n of	S	stc	þ	& S	၀ ရ	ē				nə 🔅	eurofins 💸	Environm	Environment Testing America	ho
Tel 505-345-3975 Fax 505-345-4107	Regulatory Progra Project Manager: Brian	ogram: Dw	w 🗆 NPDES		□ RCRA		□ Other								Eurofins Envi	24	2752	g [
Client Contact	Email: bzoltowski@trihydro.com	rihydro.com		Siç	Site Contact: HILARIO	act:H	ILAR	<u>ō</u>		٩	Date 9/11/24	124			1	å	2 1	
Client: Marathon Petroleum Company	Tel/Fax: 307-745-7474	474		Lal	Lab Contact:	act:				O	Carrier:				TALS Project			_
Mailing Address: 92 Giant Crossing Rd.	Analysis	Analysis Turnaround Time	ime				_	Ľ	_	1					Sampler:	2022 Deel 1-coo	ပ ၁ ၁	
Jamestown, NM 87347	☐ CALENDAR DAYS	☑ WORKING DAYS	NG DAYS				1617		(12						For Lab Use Only:	Only:		
Phone (505) 430-9485	TAT if different from Below	from Below				_	Dalla		il b	_					Walk-in Client:	ננ		
		rush					,,,,,,	(tei	срв						Lab Sampling:			_
Project Name: 2024 GW Sampling - 3rd Quarter		normal TA						η pa	ettA									_
Site: Gallup Refinery PN: WRSWL-023-0005 Invoice to Trihydro P O # 20240103		2 days 1 day						ttach	998)						Job / SDG No.	::		Ť
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Sample Identification	\rightarrow	(C=Comp, G=Grab)	Matrix Cont.	비크	$\overline{}$	$\overline{}$	$\overline{}$	\rightarrow	-	\neg	_				Samp	Sample Specific Notes:	Notes:	
EB-9-11-24	9/11/2024 8:55	O	× 16	z					×						_			
PW-3	9/11/2024 9:25	σ	/ M	Z	×	×									2		0	_
PW-4		10.45G	*	z "S	×	×									~			
MW-1	(Charles	9,55G	W 16			,			-					2	7			
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MVV-2	9/11/2024 10:25	ပ	9 ×	Z	×	×	\dashv		\dashv						و			
DUP-9-11-24	9/11/2024 NA	O	×	<u>2</u>	×	×	\dashv		-						r			_
FB-9-11-24	9/11/2024 10:45	9	W 2	z				×							20			
Trip Blank	AN	ຶ່ງ	×	z e				×							5			
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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3;	4mHNO3; 5=NaOH; 6= Other																	
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Plea Comments Section if the lab is to dispose of the sample.	Please List any EPA Waste Codes for the sample in the	ite Codes for t	he sample	in the	Sampl	e Dis	posal	(Af	ee m	ay be a	ssesse	if samp	oles are	retained	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	1 month)	_	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant	□ Poison B	□ Unknown			□ Re	☐ Return to Client	Client			Dispo	☐ Disposal by Lab		☐ Archive for	ive for	Months		_	
uctions/QC Requirements &				٥														
Custody Seals Intact:	Custody Seal No.:	П				Н	ooler	Tem	၁,	Cooler Temp. (°C): Obs'd:		Corr'd:	r'd:		Therm ID No.			Т
Relinquished by: Hilario Trejo	Company: Trihydro Corp.		Date/Time:9/11	9/11	Received by	ed by		y	1	Rivor	1	Company:			Date/Time:	ik 5	1	
Relinquished by:	Company:		Date/Time:		Received by:	ed by		12				Company:			Date/Time:			
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General			Analytical
DE ELECTRICA	Metals: Total	Method	Limit Require
			ug/L
	Barium	200.7	6
	Beryllium	200.7	10
	Cadmium	200.7	2000
	Chromium	200.7	4
	Cobalt	200.7	5
	Nickel	200.7	50
	Silver	200.7	5.98
	Vanadium	200.7	15
	Zinc	200.7	2
	Antimony	200.8	372
	Arsenic	200.8	50
	Lead	200.8	50
	Selenium	200.8	63.1
	Mercury	245.1	5960
	VOCs:		
	1,1,1-Trichloroethane	8260B	200
	1,1-Dichloroethane (1,1-DCA)	8260B	25
	1,1-Dichloroethene (1,1-DCE)	8260B	7
	1,2,4-Trimethylbenzene	8260B	56
			1
	1,2-Dichloroethane (1,2-DCA)	8260B	5
	1,3,5-Trimethylbenzene	8260B	60
	2-Butanone (MEK)	8260B	5565
	Acetone	8260B	14064
	Benzene	8260B	5
	Bromomethane	8260B	7.54
	Carbon Disulfide	8260B	810
	Chlorobenzene	8260B	77.6
	Chloroform	8260B	100
	Chloromethane	8260B	20.32
	cis-1,2-Dichloroethene (cis-1,2-DCE)	8260B	70
	Ethylbenzene	8260B	700
	Isopropyl benzene	8260B	446.8488
	Methylene Chloride	8260B	5
	Methyl Tert-Butyl Ether (MTBE)	8260B	143.04
	n-Butylbenzene	8260B	1000
	n-Propyl benzene	8260B	660
	Pentafluorobenzene	8260B	
	p-Isopropyl toluene	8260B	NA
		1	
	sec-Butylbenzene	8260B	2000
	Styrene	8260B	100
	Tetrachloroethene (PCE)	8260B	5
	Toluene	8260B	1000
General	Trichloroethene (TCE)	8260B	5
	Vinyl Chloride	8260B	2
Continued	Xylenes, Total	8260B	620
	1,2-Dibromoethane (EDB)	8011/504.1	0.05
	1,2-DIDIOITIOETTANE (EDB)	0011/004.1	0.05
	SVOCs:		
	1,4-Dichlorobenzene	8270C	75

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	sulfide	SM4500S2 D	
Disolved Metals	ĺ		<u>Analytical</u>
	Metals: Dissolved	<u>Method</u>	Limit Required
			ug/L
	Barium	200.7	6
	Beryllium	200.7	10
	Cadmium	200.7	2,000
	Chromium	200.7	4
	Cobalt	200.7	5
	Nickel	200.7	100
	Silver	200.7	5.98
	Vanadium	200.7	NA
	Zinc	200.7	NA
	Antimony	200.8	372
	Arsenic	200.8	50
	Lead	200.8	81.2
	Selenium	200.8	63.1

8270C

8270SIM

335.4

8015D

8015D

8015D

300

300

300

300

11.9

354

38.7

930

370

75,000

55.64

612

885

200

20

4.59

35.1

535

1,721

0.12

0.34

34.3

802

288

30

170

117

85.8

16.7

85.8

10.1

NA

NA

250,000

600,000

Annual Q3

Annual Q3

Annual Q3

Annual Q3

Annual Q3 Annual Q3

0.343

11.38

5,761

14.801

2,4,6-Trichlorophenol

2,4-Dimethylphenol

2,4-Dinitrophenol

3,4-Methylphenol

Diethyl phthalate

Dimethyl phthalate

Di-n-butyl phthalate

Di-n-octylphthalate

1-Methylnaphthalene

2-Methylnaphthalene

Benzo(a)anthracene

Benzo(b)fluoranthene

Indeno(1,2,3-cd)pyrene

General Chemistry: Cyanide, Total

Bis(2-ethylhexyl)phthalate

2-Methylphenol

Benzoic Acid

Phenol

Pyridine

1,4-Dioxane

Acenaphthene

Anthracene

Chrysene

Fluorene

Pyrene

TPH DRO

TPH ORO

TPH GRO

chloride

nitrate

nitrite

sulfate

Fluoranthene

Naphthalene

Phenanthrene

	Mercury	245.1	5,960
H-17-H-			
General Chem PONDS	General Chemistry: Biochemical Oxygen Demand Chemical Oxygen Demand Coliform, E-Coli	Method SM 5210 B 410.4 A9223 B	
PFAS	PFAS PFBA PFPeA	Method 537.1	
	PFBS 4:2 FTS	537.1 537.1 537.1	
	PFHxA PFPeS PFHpA PFHxS	537.1 537.1 537.1	
	6:2 FTS PFOA PFHpS	537.1 537.1 537.1 537.1	
7.4	PFNA PFOSA PFDA	537.1 537.1 537.1	
	8:2 FTS PFNS MeFOSAA	537.1 537.1 537.1	
	EtFOSAA PFUnA PFDS	537.1 537.1 537.1	
	PFDoA PFTrDA PFTeDA	537.1 537.1 537.1	
Pesticides	Pesticides: 2,4-DDE 4,4-DDD 4,4-DDE 4,4-DDT	Method	
	a-BHC Aldrin b-BHC Chlordane		
	d-BHC Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate		
	Endrin Endrin aldehyde g-BHC (Lindane) Heptachlor Heptachlor epoxide		
	Methoxychlor Toxaphene		

Equipment Blank	VOCs	
	1,1,1-Trichloroethane	8260B
	1,1-Dichloroethane (1,1-DCA)	8260B
	1,1-Dichloroethene (1,1-DCE)	8260B
	1,2,4-Trimethylbenzene	8260B
	1,2-Dichloroethane (1,2-DCA)	8260B
	1,3,5-Trimethylbenzene	8260B
	2-Butanone (MEK)	8260B
	Acetone	8260B
	Benzene	8260B
	Bromomethane	8260B
	Carbon Disulfide	8260B
	Chlorobenzene	8260B
	Chloroform	8260B
	Chloromethane	8260B
	cis-1,2-Dichloroethene (cis-1,2-DCE)	8260B
	Ethylbenzene	8260B
	Isopropyl benzene	8260B
	Methylene Chloride	8260B
	Methyl Tert-Butyl Ether (MTBE)	8260B

Field Blanks

VOCs:

Acetone

Benzene

1,1,1-Trichloroethane

1,2,4-Trimethylbenzene

1,3,5-Trimethylbenzene

2-Butanone (MEK)

Bromomethane

Chlorobenzene

Chloromethane

Ethylbenzene

Isopropyl benzene

Methylene Chloride

n-Butylbenzene

n-Propyl benzene

Pentafluorobenzene

p-Isopropyl toluene

sec-Butylbenzene

Tetrachloroethene (PCE)

1,2-Dibromoethane (EDB)

Trichloroethene (TCE)

Styrene

Toluene

Vinyl Chloride

Xylenes, Total

Chloroform

Carbon Disulfide

1,1-Dichloroethane (1,1-DCA)

1,1-Dichloroethene (1,1-DCE)

1,2-Dichloroethane (1,2-DCA)

cis-1,2-Dichloroethene (cis-1,2-DCE)

Methyl Tert-Butyl Ether (MTBE)

8260B

8011/504.1

Page	10	Ωf	25
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Cobalt	1200.7
Nickel	200.7
Silver	200.7
Vanadium	200.7
Zinc	200.7
SVOCs	Method
1,4-Dioxane	8270SIM
1-Methylnaphthalene	8270SIM
2-Methylnaphthalene	8270SIM
Acenaphthene	8270SIM
Anthracene	8270SIM
Benzo(a)anthracene	8270SIM
Benzo(b)fluoranthene	8270SIM
Chrysene	8270SIM
Fluoranthene	8270SIM
Fluorene	8270SIM
Indeno(1,2,3-cd)pyrene	8270SIM
Naphthalene	8270SIM
Phenanthrene	8270SIM
Pyrene	8270SIM

8260B

8260B

8260B

8260B

8260B

8260B

8260B 8260B

8260B

8260B

8260B

8015D

Method

200.7

200.7 200.7

200.7

200.7

n-Butylbenzene n-Propyl benzene

Pentafluorobenzene

p-Isopropyl toluene

sec-Butylbenzene

Tetrachloroethene (PCE)

Trichloroethene (TCE)

General Chemistry:

Styrene

Toluene

Vinyl Chloride

Xylenes, Total

TPH GRO

Total Metals

Barium

Beryllium

Cadmium

Chromium Cobalt

Equipment Blank

PFAS

VOCs

1,1,1-Trichloroethane

1,2,4-Trimethylbenzene 1,2-Dichloroethane (1,2-DCA)

1,3,5-Trimethylbenzene

2-Butanone (MEK)

Acetone

1,1-Dichloroethane (1,1-DCA) 1,1-Dichloroethene (1,1-DCE) 8260B

8260B

8260B 8260B

8260B

8260B 8260B

8260B

П	П	г	П	ı	ſ
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	П				

General Chemistry:	
TPH GRO	8015D
Total Metals	Method
Barium	200.7
Beryllium	200.7
Cadmium	200.7
Chromium	200.7
Cobalt	200.7
Nickel	200.7
Silver	200.7
Vanadium	200.7
Zinc	200.7

8260B

8260B

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8260B

Benzene Bromomethane

Carbon Disulfide

Chlorobenzene

Chloromethane

Ethylbenzene Isopropyl benzene

Methylene Chloride

Pentafluorobenzene

p-Isopropyl toluene

Tetrachloroethene (PCE)

Trichloroethene (TCE)

sec-Butylbenzene

Styrene

Toluene

Vinyl Chloride Xylenes, Total

n-Butylbenzene n-Propyl benzene

cis-1,2-Dichloroethene (cis-1,2-DCE)

Methyl Tert-Butyl Ether (MTBE)

Chloroform

SVOCs	Method
1,4-Dioxane	8270SIM
1-Methylnaphthalene	8270SIM
2-Methylnaphthalene	8270SIM
Acenaphthene	8270SIM
Anthracene	8270SIM
Benzo(a)anthracene	8270SIM
Benzo(b)fluoranthene	8270SIM
Chrysene	8270SIM
Fluoranthene	8270SIM
Fluorene	8270SIM
Indeno(1,2,3-cd)pyrene	8270SIM
Naphthalene	8270SIM
Phenanthrene	8270SIM

8270SIM

Method

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Pyrene

PFAS

PFBA

PFPeA **PFBS**

4:2 FTS

PFHxA

PFPeS

PFHpA

PFHxS

6:2 FTS

PFOA

PFHpS PFNA

PFOSA

8:2 FTS

MeFOSAA

EtFOSAA

PFUnA PFDS

PFDoA

PFTrDA PFTeDA

PFDA

PFNS

Eurofins Albuquerque 4901 Hawkins NE Albuquerque, NM 87109 Phone: 505-345-3975 Fax: 505-345-4107	Chain of	Chain of Custody Record	ecord	942 W		💸 eurofins Environment Testing
VI 17 17 17 17 17 17 17 17 17 17 17 17 17	Sampler:	Lab PM:	Lab PM:	Carrier Tracking No(s)	No(s):	COC No:
Client Contract Lab Contract Lab Client Contract Lab Shinoronact Shinoronact Shinoronact Shinoronact Shinoronact Lab Shinorona	Phone:	E-Mail:	aniaia, conceil II: en McNamara@et eurofineus o	State of Origin:		Page:
Company:			Accreditations Required (See note):	_		
Eurofins Environment Testing Southeast L	1		NELAP - Oregon; State - New	Mexico		885-11686-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 9/20/2024		Analy	Analysis Requested		Preservation Codes:
City: Pensacola	TAT Requested (days):					
State, Zip: FL, 32514					1948	
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO#:		10			
Email:	:# OM		the season to be decided		. SI	
Project Name: Dona Ana Dairies	Project #: 88501155		Transmission		anisi	
Site:	SSOW#:		V) as		108 10	Other:
	Sa	Sample Matrix	SW/SW		o 16611	
Cample Hawtification Climb II at ID	Sample		itii∃ blei (mione) i.raɛ\s.ra		niki leto	Snocial Instructions (Note:
Sample Identification - Crient ID (Lab ID)	Sample Date	o-grad) Bl=IIssue, A=Ar) Presenvation Code		· · · · · · · · · · · · · · · · · · ·	X	4) 5 (
DAD-15 (885-11686-1)	9/11/24 10:20 Mountain	G Water	×		+	
DAD-04 (885-11686-2)	9/11/24 11:28 Mountain	G Water	×			
DAD-16 (885-11686-3)	9/11/24 14:10 Mountain	G Water	×		7	
						, in
					2.0	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/fests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing south Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately.	nent Testing South Central, LLC places the I above for analysis/tests/matrix being analy Central, LLC attention immediately. If all re	ownership of method, a zed, the samples must I quested accreditations a	nalyte & accreditation compliance upon e shipped back to the Eurofins Enviror re current to date, return the signed Cl	our subcontract laboratories ment Testing South Central, nain of Custody attesting to s	s. This sample shipm , LLC laboratory or ot iaid compliance to Eu	nent is forwarded under chain-of-custody. If the instructions will be provided. Any change urolins Environment Testing South Central, LL
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	nay be assessed if sai	mples are retain	ed longer than 1 month)
Unconfirmed			Return To Client	Disposal By Lab]	Archive For Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2		Special Instructions/QC Requirements:	quirements:		
Empty Kit Relinquished by: 1/7 0	Date:		Time:	Method of Shipment:	Shipment:	
Relinquished by: M.	Date/Time: 9/17/24 153	Company	Received by:		Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
1	Date/Time:	Company	Received by:		Date/Time: 4/13224	Company 4,22 Company
Custody Seals Intact: Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:	d Other Remarks: 5.0%	an 7	
						Ver: 05/06/2024

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11686-1

Login Number: 11686 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11686-1

Login Number: 11686 List Source: Eurofins Pensacola
List Number: 2 List Creation: 09/13/24 08:23 PM

Creator: Roberts, Darrien

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

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JOB DESCRIPTION

Dona Ana Dairies

JOB NUMBER

885-11942-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

Page 2 of 21 10/2/2024

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Client: EA Engineering
Project/Site: Dona Ana Dairies

Laboratory Job ID: 885-11942-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-11942-1

Project/Site: Dona Ana Dairies

Qualifiers

HPLC/IC

Qualifier Qualifier Description

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier Qualifier Description

E Result exceeded calibration range.

Glossary

Abbreviation	These commonly	y used abbreviations may	v or may	not be	present in this report.

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: EA Engineering

Job ID: 885-11942-1

Project: Dona Ana Dairies

Job ID: 885-11942-1 Eurofins Albuquerque

Job Narrative 885-11942-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/17/2024 8:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

HPLC/IC

Method 300_OF_48H_PREC: The following samples were diluted due to the nature of the sample matrix: DAD-17 (885-11942-1) and DAD-05 (885-11942-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 2540C_SingleDry: The analysis volume selected for the following samples produced a base result greater than 200mg before calculation of the final result: DAD-18 (885-11942-3) and (885-11942-A-3 DU). Reanalysis could not be performed due to holding time exceedance. Visual inspection my analyst shows no signs of trapped moisture, report as is. The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. As such, these data have been qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client: EA Engineering Job ID: 885-11942-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-17 Lab Sample ID: 885-11942-1

Date Collected: 09/16/24 10:25 Matrix: Water

Date Received: 09/17/24 08:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68		5.0	mg/L			09/23/24 11:10	10
Nitrate	ND		1.0	mg/L			09/17/24 22:10	10
Nitrite	ND		1.0	mg/L			09/17/24 22:10	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	720		250	mg/L			09/20/24 11:16	1
Nitrogen, Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/20/24 11:09	09/23/24 11:55	1

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Client: EA Engineering Job ID: 885-11942-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-05 Lab Sample ID: 885-11942-2

Date Collected: 09/16/24 11:47

Matrix: Water

Date Received: 09/17/24 08:45

Method: EPA 300.0 - Anions, Ion	Chroma	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		5.0	mg/L			09/17/24 22:59	10
Nitrate	1.0		1.0	mg/L			09/17/24 22:59	10
Nitrite	ND		1.0	mg/L			09/17/24 22:59	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	910		250	mg/L			09/20/24 11:16	1
Nitrogen Kieldahl (FPA 351 2)	1.6		0.50	ma/l		09/20/24 11:09	09/23/24 11:41	1

10/2/2024

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Client: EA Engineering Job ID: 885-11942-1

Project/Site: Dona Ana Dairies

Lab Sample ID: 885-11942-3 **Client Sample ID: DAD-18** Date Collected: 09/16/24 14:00

Matrix: Water

Date Received: 09/17/24 08:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	620		50	mg/L			09/18/24 00:01	100
Nitrate	14		1.0	mg/L			09/17/24 23:49	10
Nitrite	ND		1.0	mg/L			09/17/24 23:49	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700	E	50	mg/L			09/20/24 11:16	1
Nitrogen, Kjeldahl (EPA 351.2)	0.74		0.50	mg/L		09/20/24 11:09	09/23/24 11:43	1

10/2/2024

Client: EA Engineering Job ID: 885-11942-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-08 Lab Sample ID: 885-11942-4

Date Collected: 09/16/24 15:08 Matrix: Water

Date Received: 09/17/24 08:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		50	mg/L			09/18/24 00:26	100
Nitrate	42		1.0	mg/L			09/18/24 00:13	10
Nitrite	ND		1.0	mg/L			09/18/24 00:13	10
- General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4200		250	mg/L			09/23/24 14:52	1
Nitrogen, Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/20/24 11:09	09/23/24 11:44	1

Dil Fac

Client: EA Engineering

Project/Site: Dona Ana Dairies

Job ID: 885-11942-1

Method: 300.0 - Anions, Ion Chromatography

ND

Lab Sample ID: MB 885-12443/4

Matrix: Water

Analyte

Chloride

Analysis Batch: 12443

Client Sample ID: Method Blank Prep Type: Total/NA

MB MB Result Qualifier RL Unit Analyzed D Prepared 0.50 09/17/24 09:24

mg/L

Lab Sample ID: MB 885-12443/51 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12443

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride 0.50 09/17/24 19:17 ND mg/L

Lab Sample ID: LCS 885-12443/52 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12443

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit %Rec Chloride 5.00 4.78 96 90 - 110 mg/L

Lab Sample ID: MRL 885-12443/3 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12443

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.528 50 - 150 mg/L 106

Lab Sample ID: MB 885-12444/17 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12444

MR MR Analyte Qualifier RL Unit Analyzed Dil Fac Result Prepared Nitrate 0.10 mg/L 09/17/24 09:24 ND Nitrite ND 0.10 mg/L 09/17/24 09:24

Lab Sample ID: MB 885-12444/64 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12444

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Nitrate ND 0.10 mg/L 09/17/24 19:17 Nitrite 09/17/24 19:17 ND 0.10 mg/L

Lab Sample ID: LCS 885-12444/65 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12444

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Analyte Unit Nitrate 2.50 2.54 102 90 - 110 mg/L Nitrite 1.00 0.934 93 mg/L 90 - 110

Eurofins Albuquerque

Client Sample ID: DAD-17

Client Sample ID: DAD-17

Client Sample ID: Method Blank

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-11942-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-12444/16

Matrix: Water

Analysis Batch: 12444

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate 0.100 0.0995 J mg/L 99 50 - 150 Nitrite 0.0999 0.0960 J mg/L 96 50 - 150

Lab Sample ID: 885-11942-1 MS

Matrix: Water

Analysis Batch: 12444

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Nitrate ND 25.0 24.9 mg/L 99 80 - 120 Nitrite ND 10.0 7.96 80 80 - 120 mg/L

Lab Sample ID: 885-11942-1 MSD

Matrix: Water

Analysis Batch: 12444

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate	ND		25.0	24.6		mg/L		98	80 - 120	1	20
Nitrite	ND		10.0	8.33		mg/L		83	80 - 120	5	20

Lab Sample ID: MB 885-12823/34

Matrix: Water

Analysis Batch: 12823

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride 0.50 mg/L 09/23/24 16:26 ND

Lab Sample ID: MB 885-12823/4

Matrix: Water

Analysis Batch: 12823

MB MB Analyte

Result Qualifier Unit RL **Prepared** Analyzed Dil Fac Chloride 0.50 09/23/24 09:31 ND mg/L

Lab Sample ID: LCS 885-12823/35

Matrix: Water

Analysis Batch: 12823

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit %Rec Chloride 5.00 4.70 mg/L

Lab Sample ID: LCS 885-12823/5

Matrix: Water

Analysis Batch, 12022

Alialysis Dalcii. 12023								
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.00	4.79		mg/L		96	90 - 110	

Eurofins Albuquerque

Project/Site: Dona Ana Dairies

Client: EA Engineering Job ID: 885-11942-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-12823/3 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 12823 Spike MRL MRL

%Rec Analyte Added Result Qualifier %Rec Limits Unit D Chloride 0.500 0.531 mg/L 106 50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-12629/1 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12629

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Prepared 50 Total Dissolved Solids $\overline{\mathsf{ND}}$ mg/L 09/20/24 11:16

Lab Sample ID: LCS 885-12629/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12629

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit n %Rec Total Dissolved Solids 1000 1010 mg/L 101 80 - 120

Lab Sample ID: 885-11942-3 DU **Client Sample ID: DAD-18** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12629

Sample Sample DU DU **RPD** Result Qualifier Analyte Result Qualifier Unit D RPD Limit Total Dissolved Solids 2700 E 2650 E mg/L

Lab Sample ID: MB 885-12793/1 **Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA**

Analysis Batch: 12793

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Total Dissolved Solids ND 50 mg/L 09/23/24 14:52

Lab Sample ID: LCS 885-12793/2 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 12793

LCS LCS Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits Total Dissolved Solids 1000 1030 103 80 - 120 mg/L

Method: 351.2 - Nitrogen, Total Kjeldahl

Client Sample ID: Method Blank Lab Sample ID: MB 400-685211/1-A **Matrix: Water**

Analysis Batch: 685458

MB MB

Unit Result Qualifier RL Prepared Analyzed Nitrogen, Kjeldahl ND 0.50 09/20/24 11:09 09/23/24 11:34 mg/L

Eurofins Albuquerque

Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

Client: EA Engineering

Job ID: 885-11942-1

Project/Site: Dona Ana Dairies

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Nitrogen, Kjeldahl

Lab Sample ID: LCS 400-685211/2-A	Lab Sample ID: LCS 400-685211/2-A					Client Sample ID: Lab Control Sampl					
Matrix: Water							Prep Type: Total/NA				
Analysis Batch: 685458							Prep Batch: 685211				
-	Spike	LCS	LCS				%Rec				
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits				

10.7

mg/L

107

90 - 110

10.0

Lab Sample ID: MRL 400-685458/14 Matrix: Water Analysis Batch: 685458				Clie	nt Sa	mple ID	: Lab Control S Prep Type: To	•
7 manyolo Zatom coc toc	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Kjeldahl	0.500	0.544		mg/L		109	50 - 150	

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QC Association Summary

Client: EA Engineering Job ID: 885-11942-1 Project/Site: Dona Ana Dairies

HPLC/IC

Analysis Batch: 12443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11942-2	DAD-05	Total/NA	Water	300.0	
885-11942-3	DAD-18	Total/NA	Water	300.0	
885-11942-4	DAD-08	Total/NA	Water	300.0	
MB 885-12443/4	Method Blank	Total/NA	Water	300.0	
MB 885-12443/51	Method Blank	Total/NA	Water	300.0	
LCS 885-12443/52	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12443/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 12444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11942-1	DAD-17	Total/NA	Water	300.0	
885-11942-2	DAD-05	Total/NA	Water	300.0	
885-11942-3	DAD-18	Total/NA	Water	300.0	
885-11942-4	DAD-08	Total/NA	Water	300.0	
MB 885-12444/17	Method Blank	Total/NA	Water	300.0	
MB 885-12444/64	Method Blank	Total/NA	Water	300.0	
LCS 885-12444/65	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12444/16	Lab Control Sample	Total/NA	Water	300.0	
885-11942-1 MS	DAD-17	Total/NA	Water	300.0	
885-11942-1 MSD	DAD-17	Total/NA	Water	300.0	

Analysis Batch: 12823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11942-1	DAD-17	Total/NA	Water	300.0	
MB 885-12823/34	Method Blank	Total/NA	Water	300.0	
MB 885-12823/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12823/35	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-12823/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12823/3	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 12629

Lab Sample ID 885-11942-1	Client Sample ID DAD-17	Prep Type Total/NA	Matrix Water	Method 2540C	Prep Batch
885-11942-2	DAD-05	Total/NA	Water	2540C	
885-11942-3	DAD-18	Total/NA	Water	2540C	
MB 885-12629/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12629/2	Lab Control Sample	Total/NA	Water	2540C	
885-11942-3 DU	DAD-18	Total/NA	Water	2540C	

Analysis Batch: 12793

Lab Sample ID 885-11942-4	Client Sample ID DAD-08	Prep Type Total/NA	Matrix Water	Method 2540C	Prep Batch
MB 885-12793/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12793/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 685211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11942-1	DAD-17	Total/NA	Water	351.2	
885-11942-2	DAD-05	Total/NA	Water	351.2	

Eurofins Albuquerque

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QC Association Summary

Client: EA Engineering Job ID: 885-11942-1

Project/Site: Dona Ana Dairies

General Chemistry (Continued)

Prep Batch: 685211 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11942-3	DAD-18	Total/NA	Water	351.2	
885-11942-4	DAD-08	Total/NA	Water	351.2	
MB 400-685211/1-A	Method Blank	Total/NA	Water	351.2	
LCS 400-685211/2-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 685458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11942-1	DAD-17	Total/NA	Water	351.2	685211
885-11942-2	DAD-05	Total/NA	Water	351.2	685211
885-11942-3	DAD-18	Total/NA	Water	351.2	685211
885-11942-4	DAD-08	Total/NA	Water	351.2	685211
MB 400-685211/1-A	Method Blank	Total/NA	Water	351.2	685211
LCS 400-685211/2-A	Lab Control Sample	Total/NA	Water	351.2	685211
MRL 400-685458/14	Lab Control Sample	Total/NA	Water	351.2	

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Client: EA Engineering Project/Site: Dona Ana Dairies

Client Sample ID: DAD-17

Lab Sample ID: 885-11942-1

Matrix: Water

Date Collected: 09/16/24 10:25 Date Received: 09/17/24 08:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12444	JT	EET ALB	09/17/24 22:10
Total/NA	Analysis	300.0		10	12823	JT	EET ALB	09/23/24 11:10
Total/NA	Analysis	2540C		1	12629	KS	EET ALB	09/20/24 11:16
Total/NA	Prep	351.2			685211	VB	EET PEN	09/20/24 11:09
Total/NA	Analysis	351.2		1	685458	VB	EET PEN	09/23/24 11:55

Lab Sample ID: 885-11942-2

Matrix: Water

Client Sample ID: DAD-05 Date Collected: 09/16/24 11:47 Date Received: 09/17/24 08:45

Batch **Batch** Dilution Batch Prepared Method **Prep Type** Туре Run Factor Number Analyst Lab or Analyzed 09/17/24 22:59 Total/NA Analysis 300.0 10 12443 JT **EET ALB** Total/NA Analysis 300.0 10 12444 JT **EET ALB** 09/17/24 22:59 Total/NA Analysis 2540C 12629 KS **EET ALB** 09/20/24 11:16 Total/NA 685211 VB **EET PEN** 09/20/24 11:09 Prep 351.2 Total/NA Analysis 351.2 1 685458 VB **EET PEN** 09/23/24 11:41

Client Sample ID: DAD-18 Lab Sample ID: 885-11942-3

Matrix: Water

Matrix. Water

Date Collected: 09/16/24 14:00 Date Received: 09/17/24 08:45

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12444	JT	EETALB	09/17/24 23:49
Total/NA	Analysis	300.0		100	12443	JT	EET ALB	09/18/24 00:01
Total/NA	Analysis	2540C		1	12629	KS	EET ALB	09/20/24 11:16
Total/NA	Prep	351.2			685211	VB	EET PEN	09/20/24 11:09
Total/NA	Analysis	351.2		1	685458	VB	EET PEN	09/23/24 11:43

Client Sample ID: DAD-08 Lab Sample ID: 885-11942-4

Date Collected: 09/16/24 15:08 Matrix: Water Date Received: 09/17/24 08:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12444	JT	EET ALB	09/18/24 00:13
Total/NA	Analysis	300.0		100	12443	JT	EET ALB	09/18/24 00:26
Total/NA	Analysis	2540C		1	12793	KS	EET ALB	09/23/24 14:52
Total/NA	Prep	351.2			685211	VB	EET PEN	09/20/24 11:09
Total/NA	Analysis	351.2		1	685458	VB	EET PEN	09/23/24 11:44

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975 EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Eurofins Albuquerque

Accreditation/Certification Summary

Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-11942-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	1	Identification Numl	per Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
,	•	but the laboratory is r	not certified by the governing a	uthority. This list may include analyte
Analysis Method	does not offer certification. Prep Method	Matrix	Analyte	
2540C	 	Water	Total Dissolved Solid	ds
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
	NELAP		NM100001	02-26-25

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-25
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-25

ਹ	hain-	of-Cu	Chain-of-Custody Record	Turn-Around Time:	Time:			HALL	HALL FNVTRONMENTAL	ONME	INTAL
Client:			***	Standard	□ Rush			ANALYSIS		LABOPATAR	
EA Engir	neering,	Science	EA Engineering, Science, and Technology	Project Name:	in in			www.halle	www.hallenvironmental.com	al.com	
Mailing Address:	Address			Dona Ana Da	Dona Ana Dairies (DAD'S)		4901 Hawkins NE	1	Albuquerque, NM 87	, NM 87	Y.
320 Gold Ave SW Suite	Ave SI	N Suite		Project #:	"Billing Email		Tel. 505-	Tel. 505-345-3975	Fax 505-345-4107		885-11942 COC
Phone #:		505-715-4279	-4279	Lindaarmstro	Lindaarmstrong@zianet.com	Ш		An	Analysis Request		
email or Fax#:	Fax#:		rmullen@eaest.com	Project Manager:	ıger:		300				
QA/QC Package:	ackage:				Gina Mullen		; po		-		
□ Standard	ard		☐ Level 4 (Full Validation)				qţəĮ	a	108		
Accreditation:	ation:	□ Az Co	☐ Az Compliance	Sampler:	Angel N. Rivera	ora	A Ac	OW	09 ∀		
□ NELAC	 ي	□ Other		On ice:	⊠ Yes	No		o c	/dΞ		
	(Type)			# of Coolers:		Chuck	7) 7 9			
				Cooler Temp(including CF).	(including CF): 0.9	20€0 = 2.0-	S.13	Z W			
				Container	Preservative	HEAL No.	rate\ N 39		lqso S Ist		
Daţe	Time	Matrix	Sample Name	Type and #	Type		ΤK	ат			
Pag	10:25	3	DAD-17	8		1	ヘメメ	4×	·	-	
9-16	4:	S.	DAD-05	7		C	/ × 人	×			
00 77 of	14:00	3	DAD-18	a		3	ヘメメ	×>			
91-6	15:08	3.2	D+D-08	C		H	XXX	×,			
			6								
1	Time:	Relinquished by:	ed by:	Received by:	Via: Redel	Date Time 9.1/5	Remarks:				
	17:15	City	M			ļ					
Date:	Time:	Relinquished by:	led by:	Received by:	Via:	Date		٠			
10/2	necessary,	samples sub	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	ocontracted to other	sccredited laboratorie	ss. This serves as notice of th	is possibility. Any sub-	contracted data w	ill be clearly notat	ted on the analy	tical report.

Environment Testing

🔅 eurofins

Chain of Custody Record

Eurofins Albuquerque

Albuquerque, NM 87109

4901 Hawkins NE

Phone: 505-345-3975 Fax: 505-345-4107			1	
	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Information (Sub Contract Lab)		McNamara, Colleen)	885-2011.1
Client Contact:	Phone:	E-Mail:	State of Origin:	Page:
Shipping/Receiving		colleen.McNamara@et.eurofinsus.com	New Mexico	Page 1 of 1
Company:		Accreditations Required (See note):		;# dof
Eurofins Environment Testing Southeast L		NELAP - Oregon; State - New Mexico		885-11942-1
Address:	Due Date Requested:			Preservation Codes:
3355 McLemore Drive, ,	9/25/2024	Analysis Requested	quested	,
City:	TAT Requested (days):			
Pensacola				
State, Zip:		JUNE NO.		
FL, 32514				
Phone:	PO#			
850-474-1001(Tel) 850-478-2671(Fax)		(0		
Email:	WO #:)(e		
		1		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately.

Possible Hazard Identification		<u>o,</u>	ample Disposal (A fee may be assess	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	1 month)
Unconfirmed			Return To Client Disposal By Lab	Il By Lab Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2		Special Instructions/QC Requirements:		
Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Mr. McCuff	Date/Time 1455 Company	Company	Received by:	Date/Time:	Company
Relinquished y f.	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4/K/D2/ 9.45	Company
Custody Seals Intact. Custody Seal No.: Δ Yes Δ No			Cooler Temperature(s) °C and Other Remarks: 5.7°C hU	5.9'c HUI	
					Ver. 05/06/2024

Special Instructions/Note:

Other:

Total Number of container

351.2/351.2_Prep

Sample Type (C=comp, G=grab)

88501155

Dona Ana Dairies

Project Name:

BT=Tissue, A=Air) Matrix (w=water, S=solid, O=waste/oil,

Sample

Time

Sample Date

Sample Identification - Client ID (Lab ID)

JAD-17 (885-11942-1) DAD-05 (885-11942-2) DAD-18 (885-11942-3) DAD-08 (885-11942-4)

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Water

G ტ G G

9/16/24 9/16/24 9/16/24 9/16/24

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Water Water

Mountain 14:00 Mountain 11:47

Mountain 15:08

Mountain

×

Water

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11942-1

Login Number: 11942 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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Client: EA Engineering

Job Number: 885-11942-1

List Source: Eurofins Pensacola
List Number: 2
List Creation: 09/18/24 07:12 PM

Creator: Roberts, Darrien

Creator: Roberts, Darrien		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.9°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	<2, HC311850
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins Albuquerque

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ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 10/15/2024 3:20:45 PM

JOB DESCRIPTION

Dona Ana Dairies

JOB NUMBER

885-12030-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 10/15/2024 3:20:45 PM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering

Laboratory Job ID: 885-12030-1

Project/Site: Dona Ana Dairies

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Eurofins Albuquerque
10/15/2024

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Definitions/Glossary

Client: EA Engineering Job ID: 885-12030-1

Project/Site: Dona Ana Dairies

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
\$	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE) MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Eurofins Albuquerque

Case Narrative

Client: EA Engineering

Job ID: 885-12030-1

Project: Dona Ana Dairies

Job ID: 885-12030-1 Eurofins Albuquerque

Job Narrative 885-12030-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/18/2024 8:58 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 2540C_SingleDry: The analysis volume selected for the following sample produced a base result greater than 200mg before calculation of the final result: (MB 885-12843/1). The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. After analyst inspection, it was determined that there was no trapped moisture within the dried residue. As such, these data have been qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client: EA Engineering Job ID: 885-12030-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-25 Lab Sample ID: 885-12030-1

Date Collected: 09/17/24 10:19
Date Received: 09/18/24 08:58
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		50	mg/L			09/18/24 13:20	100
Nitrate	9.2		1.0	mg/L			09/18/24 12:42	10
Nitrite	ND		1.0	mg/L			09/18/24 12:42	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700		100	mg/L			09/24/24 09:25	1
Nitrogen, Kjeldahl (EPA 351.2)	0.53		0.50	mg/L		09/20/24 11:09	09/23/24 11:54	1

Client: EA Engineering Job ID: 885-12030-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-07 Lab Sample ID: 885-12030-2

Date Collected: 09/17/24 12:05

Date Received: 09/18/24 08:58

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		50	mg/L			09/18/24 14:12	100
Nitrate	49		1.0	mg/L			09/18/24 13:59	10
Nitrite	ND		1.0	mg/L			09/18/24 13:59	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4300		250	mg/L			09/24/24 09:25	1
Nitrogen, Kieldahl (EPA 351.2)	0.68		0.50	ma/L		09/20/24 11:09	09/23/24 11:57	1

Client: EA Engineering Job ID: 885-12030-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-21 Lab Sample ID: 885-12030-3

Date Collected: 09/17/24 14:16 Matrix: Water Date Received: 09/18/24 08:58

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	590		50	mg/L			09/18/24 15:04	100
Nitrate	13		1.0	mg/L			09/18/24 14:38	10
Nitrite	ND		1.0	mg/L			09/18/24 14:38	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2200		250	mg/L			09/24/24 09:25	1
Nitrogen, Kjeldahl (EPA 351.2)	0.58		0.50	mg/L		09/20/24 11:09	09/23/24 11:58	1

10/15/2024

Client: EA Engineering Job ID: 885-12030-1

Project/Site: Dona Ana Dairies

Nitrogen, Kjeldahl (EPA 351.2)

Client Sample ID: DAD-09 Lab Sample ID: 885-12030-4

Date Collected: 09/17/24 15:21 Matrix: Water Date Received: 09/18/24 08:58

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	510		50	mg/L			09/18/24 15:30	100
Nitrate	37		1.0	mg/L			09/18/24 15:17	10
Nitrite	ND		1.0	mg/L			09/18/24 15:17	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1900		250	mg/L			09/24/24 09:25	1

0.50

mg/L

09/20/24 11:09

09/23/24 11:59

ND

Client: EA Engineering

Job ID: 885-12030-1

Project/Site: Dona Ana Dairies

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12526/4

Matrix: Water

Analysis Batch: 12526

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB

Dil Fac Analyte Result Qualifier RL Unit Prepared Analyzed Chloride ND 0.50 mg/L 09/18/24 08:54

Lab Sample ID: LCS 885-12526/5 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12526

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.00	4.87		mg/L		97	90 - 110	

Lab Sample ID: MRL 885-12526/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12526

		Spike	MRL	MRL					%Rec	
Analyte		Added	Result	Qualifier	Unit	I	כ	%Rec	Limits	
Chloride		0.500	0.523		mg/L			105	50 - 150	

Lab Sample ID: MB 885-12527/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12527

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	mg/L			09/18/24 08:54	1
Nitrite	ND		0.10	mg/L			09/18/24 08:54	1

Lab Sample ID: LCS 885-12527/5 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12527

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate	 2.50	2.57		mg/L		103	90 - 110		_
Nitrite	1 00	0.942		ma/l		94	90 _ 110		

Lab Sample ID: MRL 885-12527/3 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 12527

	Spike	MRL	MRL				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Nitrate	0.100	0.0961	J	mg/L		96	50 - 150
Nitrite	0.0999	0.0940	J	ma/L		94	50 - 150

Lab Sample ID: 885-12030-1 MS Client Sample ID: DAD-25 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12527

7 manyolo Batom 12021											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate	9.2		25.0	35.2		mg/L		104	80 - 120		-
Nitrite	ND		10.0	8.86		ma/L		85	80 - 120		

Eurofins Albuquerque

Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-12030-1

Prep Type: Total/NA

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-12030-1 MSD **Client Sample ID: DAD-25**

Matrix: Water

Analysis Batch: 12527

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate	9.2		25.0	35.1		mg/L		104	80 - 120	0	20
Nitrite	ND		10.0	8.87		mg/L		85	80 - 120	0	20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-12843/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12843

мв мв Analyte Result Qualifier Unit Prepared Analyzed Dil Fac 09/24/24 09:25 Total Dissolved Solids ND mg/L

Lab Sample ID: LCS 885-12843/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12843

LCS LCS Spike %Rec Added Result Qualifier Unit %Rec Limits Total Dissolved Solids 1000 1020 101 80 - 120 ma/L

Lab Sample ID: 885-12030-1 DU Client Sample ID: DAD-25 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12843

	Sample	Sample	D	J D	U				RPD
Analyte	Result	Qualifier	Resu	t Q	Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	2700		268	5		mg/L		0.3	10

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 400-685211/1-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 685458

	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	ND		0.50	mg/L		09/20/24 11:09	09/23/24 11:34	1

Lab Sample ID: LCS 400-685211/2-A **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 685458							Prep	Batch: 685211
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Kjeldahl	10.0	10.7		mg/L		107	90 - 110	

Lab Sample ID: MRL 400-685458/14 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 685458

Analysis Batch. 000400								
	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Kjeldahl	0.500	0.544		mg/L		109	50 - 150	

Eurofins Albuquerque

Prep Batch: 685211

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

QC Association Summary

Client: EA Engineering Job ID: 885-12030-1

Project/Site: Dona Ana Dairies

HPLC/IC

Analysis Batch: 12526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12030-1	DAD-25	Total/NA	Water	300.0	
885-12030-2	DAD-07	Total/NA	Water	300.0	
885-12030-3	DAD-21	Total/NA	Water	300.0	
885-12030-4	DAD-09	Total/NA	Water	300.0	
MB 885-12526/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12526/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12526/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 12527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
885-12030-1	DAD-25	Total/NA	Water	300.0	_
885-12030-2	DAD-07	Total/NA	Water	300.0	
885-12030-3	DAD-21	Total/NA	Water	300.0	
885-12030-4	DAD-09	Total/NA	Water	300.0	
MB 885-12527/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12527/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12527/3	Lab Control Sample	Total/NA	Water	300.0	
885-12030-1 MS	DAD-25	Total/NA	Water	300.0	
885-12030-1 MSD	DAD-25	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 12843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12030-1	DAD-25	Total/NA	Water	2540C	
885-12030-2	DAD-07	Total/NA	Water	2540C	
885-12030-3	DAD-21	Total/NA	Water	2540C	
885-12030-4	DAD-09	Total/NA	Water	2540C	
MB 885-12843/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12843/2	Lab Control Sample	Total/NA	Water	2540C	
885-12030-1 DU	DAD-25	Total/NA	Water	2540C	

Prep Batch: 685211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12030-1	DAD-25	Total/NA	Water	351.2	
885-12030-2	DAD-07	Total/NA	Water	351.2	
885-12030-3	DAD-21	Total/NA	Water	351.2	
885-12030-4	DAD-09	Total/NA	Water	351.2	
MB 400-685211/1-A	Method Blank	Total/NA	Water	351.2	
LCS 400-685211/2-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 685458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12030-1	DAD-25	Total/NA	Water	351.2	685211
885-12030-2	DAD-07	Total/NA	Water	351.2	685211
885-12030-3	DAD-21	Total/NA	Water	351.2	685211
885-12030-4	DAD-09	Total/NA	Water	351.2	685211
MB 400-685211/1-A	Method Blank	Total/NA	Water	351.2	685211
LCS 400-685211/2-A	Lab Control Sample	Total/NA	Water	351.2	685211
MRL 400-685458/14	Lab Control Sample	Total/NA	Water	351.2	

Eurofins Albuquerque

10/15/2024

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Client: EA Engineering Project/Site: Dona Ana Dairies

Client Sample ID: DAD-25

Date Collected: 09/17/24 10:19 Date Received: 09/18/24 08:58 Lab Sample ID: 885-12030-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12527	MA	EET ALB	09/18/24 12:42
Total/NA	Analysis	300.0		100	12526	MA	EET ALB	09/18/24 13:20
Total/NA	Analysis	2540C		1	12843	ES	EET ALB	09/24/24 09:25
Total/NA	Prep	351.2			685211	VB	EET PEN	09/20/24 11:09
Total/NA	Analysis	351.2		1	685458	VB	EET PEN	09/23/24 11:54

Lab Sample ID: 885-12030-2

Matrix: Water

Date Collected: 09/17/24 12:05 Date Received: 09/18/24 08:58

Client Sample ID: DAD-07

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12527	MA	EET ALB	09/18/24 13:59
Total/NA	Analysis	300.0		100	12526	MA	EET ALB	09/18/24 14:12
Total/NA	Analysis	2540C		1	12843	ES	EET ALB	09/24/24 09:25
Total/NA	Prep	351.2			685211	VB	EET PEN	09/20/24 11:09
Total/NA	Analysis	351.2		1	685458	VB	EET PEN	09/23/24 11:57
Total/NA	Analysis	351.2		1	685458	VB	EET PEN	09/23/

Client Sample ID: DAD-21

Date Collected: 09/17/24 14:16

Date Received: 09/18/24 08:58

Lab Sample ID: 885-12030-3

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12527	MA	EET ALB	09/18/24 14:38
Total/NA	Analysis	300.0		100	12526	MA	EET ALB	09/18/24 15:04
Total/NA	Analysis	2540C		1	12843	ES	EET ALB	09/24/24 09:25
Total/NA	Prep	351.2			685211	VB	EET PEN	09/20/24 11:09
Total/NA	Analysis	351.2		1	685458	VB	EET PEN	09/23/24 11:58

Client Sample ID: DAD-09

Date Collected: 09/17/24 15:21

Date Received: 09/18/24 08:58

Lab Sample	ID:	885-12030-4
		Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12527	MA	EET ALB	09/18/24 15:17
Total/NA	Analysis	300.0		100	12526	MA	EET ALB	09/18/24 15:30
Total/NA	Analysis	2540C		1	12843	ES	EET ALB	09/24/24 09:25
Total/NA	Prep	351.2			685211	VB	EET PEN	09/20/24 11:09
Total/NA	Analysis	351.2		1	685458	VB	EET PEN	09/23/24 11:59

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-12030-1 Project/Site: Dona Ana Dairies

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	1	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
• •	•	he laboratory is not certi	fied by the governing authority. This	s list may include analytes
for which the agency do	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
	NELAP		NM100001	02-26-25

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	10-09-24
Pennsylvania	NELAP	68-00467	01-31-25
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-25

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10/15/2024

Chain of Custody Record

💸 eurofins

Eurofins Albuquerque

4901 Hawkins NE

Albuquerque, NM 87109 Phone: 505-345-3975 Fax: 505-345-4107				Enviro	Environment Testing
	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:	
Client Information (Sub Contract Lab)		McNamara, Colleen		885-2025.1	
Client Contact:	Phone:	E-Mail:	State of Origin:	Page:	
Shipping/Receiving		colleen.McNamara@et.eurofinsus.com	New Mexico	Page 1 of 1	

Client Information Since Contract Lab Province Collect Information Collect Information Since Color Proper	Information (Sub Contract Lab) ontact: ontact: ry ry strain Southeast L strain Southeast L bue Date Requested (Jay) TAT Requested (Jay) bue Date Requested (Jay) TAT Requested (Jay) WO #: Project #: Rane: Name: Resource: Resour		W V			•		1 1 1 1	
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Comparison Com	Due Date Requested		ĕΖ	creditations ELAP - O	s Required (See note): regon; State - New	Mexico		Job #: 885-1203(0-1
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TAT Requested (days): Fig. 4 Profession Professio	TAT Requested (day to be cold by the col				Analy	sis Requ	nested		
Fig. 47 Fig. 50 Fig.	19: 514 74-1001(Tel) 850-478-2671(Fax) WO #: Name: Project #: R8501155 Ana Dairies SSOW#: SSOW#: SAME:	ays):	2086						
Numer. Sec. 479-2671(Fax) Port	Po #: 74-1001(Tel) 850-478-2671(Fax) Name: Ana Dairies SSOW#: SSOW#: Re Identification - Client ID (Lab ID) Sample Date								
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None	No #: Name: Ana Dairies Project #: 88501155 SSOW#: SIGN #: Sample Date		ાહા						
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9/17/24 15:21 G Water X	9/17/24		Water	×					
	9/17/24		Water	×				÷	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-or-custody. It the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment or Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attention in the Single South Central, LLC attention immediately.

Possible Hazard Identification		Sample Disposal (A fee may be assess	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	nonth)
Unconfirmed		Return To Client Disposal By Lab	By Lab Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Requi		
Empty Kit Relinquished by:	Date: Tir	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 9/18/94 H/30 Company	Received by:	Date/Time:	Company
Relinquished by	Date/Time: Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: Company	Received by:	Date/Time: 41/9/14/ 4:38 Company	Сотрапу
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 0.0% MMO	0.0% M.DO.0	
				Ver: 05/06/2024

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-12030-1

Login Number: 12030 List Source: Eurofins Albuquerque

List Number: 1

Creator: Dominguez, Desiree

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-12030-1

List Source: Eurofins Pensacola
List Number: 2
List Creation: 09/19/24 06:25 PM

Creator: Roberts, Darrien

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Comment</td>	N/A	Comment
he cooler's custody seal, if present, is intact.	N/A	
ample custody seals, if present, are intact.	N/A	
he cooler or samples do not appear to have been compromised or ampered with.	True	
imples were received on ice.	True	
oler Temperature is acceptable.	True	
oler Temperature is recorded.	True	0.0°C IR10
OC is present.	True	
C is filled out in ink and legible.	True	
C is filled out with all pertinent information.	True	
ne Field Sampler's name present on COC?	True	
ere are no discrepancies between the containers received and the COC.	True	
mples are received within Holding Time (excluding tests with immediate	True	
mple containers have legible labels.	True	
ntainers are not broken or leaking.	True	
nple collection date/times are provided.	True	
propriate sample containers are used.	True	
mple bottles are completely filled.	True	
mple Preservation Verified.	True	<2, HC311850
ere is sufficient vol. for all requested analyses, incl. any requested S/MSDs	True	
ontainers requiring zero headspace have no headspace or bubble is imm (1/4").	N/A	
ltiphasic samples are not present.	True	
mples do not require splitting or compositing.	True	
esidual Chlorine Checked.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

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JOB DESCRIPTION

Dona Ana Dairies

JOB NUMBER

885-11831-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering
Project/Site: Dona Ana Dairies

Laboratory Job ID: 885-11831-1

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Eurofins Albuquerque 10/3/2024

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Definitions/Glossary

Client: EA Engineering Job ID: 885-11831-1

Project/Site: Dona Ana Dairies

Qualifiers

General Chemistry

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) **DER**

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC**

Case Narrative

Client: EA Engineering Project: Dona Ana Dairies

Job ID: 885-11831-1 Eurofins Albuquerque

Job Narrative 885-11831-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/13/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

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Job ID: 885-11831-1

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Client: EA Engineering Job ID: 885-11831-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-06R Lab Sample ID: 885-11831-1

Date Collected: 09/12/24 11:35 Matrix: Water

Date Received: 09/13/24 09:00

Method: EPA 300.0 - Anion	s, Ion Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98	5.0	mg/L			09/16/24 08:08	10
Nitrate Nitrite as N	13	1.0	mg/L			09/16/24 15:21	5
General Chemistry	Deput Ovelifier	DI	l lmi4	Б	Drawarad	Amahimad	Dil Faa

General Chemistry	D 14	One lift and	ъ.	119	_	B	A la	D'I F
Analyte	Result	Qualifier	RL	Unit	ט	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	710		50	mg/L			09/19/24 11:40	1
Nitrogen, Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/18/24 16:12	09/19/24 16:54	1

10/3/2024

Client: EA Engineering Job ID: 885-11831-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-24 Lab Sample ID: 885-11831-2 Date Collected: 09/12/24 13:50

Matrix: Water

09/18/24 16:12 09/19/24 16:55

Date Received: 09/13/24 09:00

Nitrogen, Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anions, lor	Chroma	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		50	mg/L			09/16/24 09:10	100
Nitrate Nitrite as N	6.0		1.0	mg/L			09/16/24 15:33	5
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2800		250	mg/L			09/18/24 13:45	1

0.50

mg/L

ND

Client: EA Engineering Job ID: 885-11831-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-19 Lab Sample ID: 885-11831-3 Date Collected: 09/12/24 15:30

Matrix: Water

09/18/24 13:45

09/18/24 11:31 09/19/24 14:26

Date Received: 09/13/24 09:00

Total Dissolved Solids (SM 2540C)

Nitrogen, Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anion	ns, Ion Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	980	50	mg/L			09/16/24 10:24	100
Nitrate Nitrite as N	34	1.0	mg/L			09/16/24 15:46	5
General Chemistry				_			
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

250

0.50

mg/L

mg/L

3000

ND

10/3/2024

Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-11831-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: DAD-06R

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12353/4

Matrix: Water

Analysis Batch: 12353

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared 0.50 09/16/24 07:44 Chloride ND mg/L

Lab Sample ID: LCS 885-12353/5

Matrix: Water

Analysis Batch: 12353

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Analyte Unit 5.00 90 - 110 Chloride 4 78 mg/L 96

Lab Sample ID: MRL 885-12353/3

Matrix: Water

Analysis Batch: 12353

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit %Rec Chloride 0.500 0.523 105 50 - 150 mg/L

Lab Sample ID: 885-11831-1 MS

Matrix: Water

Analysis Batch: 12353

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 50.0 80 - 120 98 149 mg/L 103

Lab Sample ID: 885-11831-1 MSD

Matrix: Water

Analysis Batch: 12353

MSD MSD Sample Sample Spike %Rec Analyte Result Qualifier Added Limits Result Qualifier Unit %Rec Limit Chloride 98 50.0 148 101 80 - 120 mg/L

Lab Sample ID: MB 885-12354/4

Matrix: Water

Analysis Batch: 12354

MB MB

Qualifier Analyte Result RL Unit Dil Fac Prepared Analyzed 0.20 Nitrate Nitrite as N ND mg/L

Lab Sample ID: LCS 885-12354/5

Matrix: Water

Analysis Batch: 12354

Spike LCS LCS %Rec Added Result Qualifier Limits Unit %Rec 3.50 Nitrate Nitrite as N 3.46 mg/L 99 90 - 110

Lab Sample ID: MRL 885-12354/3

Matrix: Water

Analysis Batch: 12354 Spike MRL MRL %Rec Added Analyte Result Qualifier Unit D %Rec Limits Nitrate Nitrite as N 0.200 0.200 50 - 150 mg/L 100

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Client Sample ID: DAD-06R Prep Type: Total/NA

RPD

Client Sample ID: Method Blank Prep Type: Total/NA

09/16/24 07:44

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client: EA Engineering Job ID: 885-11831-1

Project/Site: Dona Ana Dairies

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-11831-1 MS Client Sample ID: DAD-06R **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 12354

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N	13		35.0	48.3		mg/L		101	80 - 120	

Lab Sample ID: 885-11831-1 MSD Client Sample ID: DAD-06R **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 12354

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N	13		35.0	48.1		mg/L		100	80 - 120	0	20

Lab Sample ID: 885-11831-3 MS **Client Sample ID: DAD-19** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12354

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N	31		35.0	66.2		mg/L		101	80 - 120	

Lab Sample ID: 885-11831-3 MSD **Client Sample ID: DAD-19 Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12354

Amaryolo Batom 12004	Comple	Sample	Spike	MSD	MSD				%Rec		RPD
	Sample	Sample	Spike	INIOD	MISD				76Rec		KPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N	31		35.0	63.1		mg/L		92	80 - 120	5	20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-12489/1 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12489

	MR I	MB						
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	ma/L			09/18/24 13:45	

Lab Sample ID: LCS 885-12489/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12489

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier U	Unit D	%Rec	Limits	
Total Dissolved Solids	1000	1020	n	ma/L	102	80 - 120	_

Client Sample ID: Method Blank Lab Sample ID: MB 885-12557/1 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12557								
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	MD		50	mg/L			09/19/24 11:40	1

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10/3/2024

Job ID: 885-11831-1

09/18/24 11:30 09/19/24 13:52

Project/Site: Dona Ana Dairies

Client: EA Engineering

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

ND

Lab Sample ID: LCS 885-12557/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12557

•		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids		1000	1010		mg/L		101	80 - 120	

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 400-684926/1-A Matrix: Water			(Prep Type: T	otal/NA	
Analysis Batch: 685114					Prep Batch:	684926	
MB MI	IB						
Analyte Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac	

0.50

mg/L

Lab Sample ID: LCS 400-684926/2-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA Analysis Batch: 685114 **Prep Batch: 684926** Spike LCS LCS %Rec Analyte Added Result Qualifier Unit Limits D %Rec 90 - 110 Nitrogen, Kjeldahl 10.0 10.4 mg/L 104

Lab Sample ID: MRL 400-685114/13 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 685114

Nitrogen, Kjeldahl

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Kjeldahl	0.500	0.389	J	mg/L		78	50 - 150	

Client Sample ID: Lab Control Sample Lab Sample ID: MRL 400-685128/13 **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 685128**

•	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen Kieldahl	0.500	0.563		ma/l	_	113	50 - 150	

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QC Association Summary

Client: EA Engineering

Job ID: 885-11831-1

Project/Site: Dona Ana Dairies

HPLC/IC

Analysis Batch: 12353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11831-1	DAD-06R	Total/NA	Water	300.0	
885-11831-2	DAD-24	Total/NA	Water	300.0	
885-11831-3	DAD-19	Total/NA	Water	300.0	
MB 885-12353/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12353/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12353/3	Lab Control Sample	Total/NA	Water	300.0	
885-11831-1 MS	DAD-06R	Total/NA	Water	300.0	
885-11831-1 MSD	DAD-06R	Total/NA	Water	300.0	

Analysis Batch: 12354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11831-1	DAD-06R	Total/NA	Water	300.0	
885-11831-2	DAD-24	Total/NA	Water	300.0	
885-11831-3	DAD-19	Total/NA	Water	300.0	
MB 885-12354/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12354/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12354/3	Lab Control Sample	Total/NA	Water	300.0	
885-11831-1 MS	DAD-06R	Total/NA	Water	300.0	
885-11831-1 MSD	DAD-06R	Total/NA	Water	300.0	
885-11831-3 MS	DAD-19	Total/NA	Water	300.0	
885-11831-3 MSD	DAD-19	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 12489

Lab Sample ID 885-11831-2	Client Sample ID DAD-24	Prep Type Total/NA	Matrix Water	Method 2540C	Prep Batch
885-11831-3	DAD-19	Total/NA	Water	2540C	
MB 885-12489/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12489/2	Lab Control Sample	Total/NA	Water	2540C	

Analysis Batch: 12557

Lab Sample ID 885-11831-1	Client Sample ID DAD-06R	Prep Type Total/NA	Matrix Water	Method 2540C	Prep Batch
MB 885-12557/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12557/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 684926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11831-3	DAD-19	Total/NA	Water	351.2	
MB 400-684926/1-A	Method Blank	Total/NA	Water	351.2	
LCS 400-684926/2-A	Lab Control Sample	Total/NA	Water	351.2	

Prep Batch: 684975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11831-1	DAD-06R	Total/NA	Water	351.2	<u> </u>
885-11831-2	DAD-24	Total/NA	Water	351.2	

Analysis Batch: 685114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11831-3	DAD-19	Total/NA	Water	351.2	684926

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QC Association Summary

Client: EA Engineering Job ID: 885-11831-1

Project/Site: Dona Ana Dairies

General Chemistry (Continued)

Analysis Batch: 685114 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-684926/1-A	Method Blank	Total/NA	Water	351.2	684926
LCS 400-684926/2-A	Lab Control Sample	Total/NA	Water	351.2	684926
MRL 400-685114/13	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 685128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11831-1	DAD-06R	Total/NA	Water	351.2	684975
885-11831-2	DAD-24	Total/NA	Water	351.2	684975
MRI 400-685128/13	Lab Control Sample	Total/NA	Water	351.2	

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Lab Chronicle

Client: EA Engineering Job ID: 885-11831-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-06R

Lab Sample ID: 885-11831-1

Matrix: Water

Date Collected: 09/12/24 11:35 Date Received: 09/13/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12353	RC	EET ALB	09/16/24 08:08
Total/NA	Analysis	300.0		5	12354	RC	EET ALB	09/16/24 15:21
Total/NA	Analysis	2540C		1	12557	KS	EET ALB	09/19/24 11:40
Total/NA	Prep	351.2			684975	VB	EET PEN	09/18/24 16:12
Total/NA	Analysis	351.2		1	685128	VB	EET PEN	09/19/24 16:54

Lab Sample ID: 885-11831-2

Matrix: Water

Date Collected: 09/12/24 13:50 Date Received: 09/13/24 09:00

Client Sample ID: DAD-24

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	12353	RC	EET ALB	09/16/24 09:10
Total/NA	Analysis	300.0		5	12354	RC	EET ALB	09/16/24 15:33
Total/NA	Analysis	2540C		1	12489	ES	EET ALB	09/18/24 13:45
Total/NA	Prep	351.2			684975	VB	EET PEN	09/18/24 16:12
Total/NA	Analysis	351.2		1	685128	VB	EET PEN	09/19/24 16:55

Client Sample ID: DAD-19 Lab Sample ID: 885-11831-3

Date Collected: 09/12/24 15:30 Matrix: Water Date Received: 09/13/24 09:00

Batch Dilution Batch Prepared Batch **Prep Type** Type Method Run **Factor Number Analyst** Lab or Analyzed Total/NA 300.0 09/16/24 10:24 Analysis 100 12353 RC **EET ALB** Total/NA 300.0 Analysis 5 12354 RC **EET ALB** 09/16/24 15:46 Total/NA 2540C 12489 ES **EET ALB** 09/18/24 13:45 Analysis 1 Total/NA Prep 351.2 684926 VB **EET PEN** 09/18/24 11:31 Total/NA Analysis 351.2 685114 VB EET PEN 09/19/24 14:26 1

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975 EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-11831-1 Project/Site: Dona Ana Dairies

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	1	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
• •	• •	but the laboratory is r	not certified by the governing auth	ority. This list may include analyte
• ,	does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
		Water	Nitrate Nitrite as N	
300.0		vvalei	Miliale Milile as M	

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-25
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-25

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10/3/2024

Environment Testing 💸 eurofins

Chain of Custody Record Albuquerque, NM 87109 Phone: 505-345-3975 Fax: 505-345-4107

Eurofins Albuquerque

4901 Hawkins NE

	Sampler:			Lab PM:	/i:				Carrier Tra	Carrier Tracking No(s):	22	COC No:		
officiation (Sub contract Lab)				MCN	McNamara, colleen	leen						1.7887-1897.1		٦
	Phone:			E-Mail:	:				State of Origin:	rigin:		Page:		_
Shipping/Receiving				· collec	en.McNan	ara@et.e	colleen.McNamara@et.eurofinsus.com	om	New Mexico	xico		Page 1 of 1		_
Company:					Accreditations Required (See note):	s Required	(See note):					Job #:		Г
Eurofins Environment Testing Southeast L					NELAP -	Dregon; S	NELAP - Oregon; State - New Mexico	Mexico				885-11831-1	7	_
	Due Date Requested:											Preservation Codes:	n Codes:	Г
McLemore Drive, ,	9/23/2024						Analy	Analysis Requested	uestec	_				_
	TAT Requested (days):								-	_				_
Pensacola														
State, Zip: FL, 32514					7560									
101(Tel) 850-478-2671(Fax)	PO #:				(6									
Email:	WO #:								-			9.		
Project Name: Dona Ana Dairies	Project #: 88501155											əursh		
Site:	SSOW#:				y) ası							ত ব		
			Sample	Matrix	beneti MSM i ang_s.i				***.			Jagun		
		Sample (Type (C=comp,		тіой							in je		
Sample Identification - Client ID (Lab ID)	Sample Date 1	- 8	G=grab)	÷	₽ d \								Special Instructions/Note:	
		X	Presewation Code.	on Code.	X					i i		X		
DAD-06R (885-11831-1)	9/12/24 Mo	11:35 Mountain	g	Water	×									
DAD-24 (885-11831-2)	9/12/24 No	13:50 Mountain	ပ	Water	×									т —
DAD-19 (885-11831-3)	9/12/24 No	15:30 Mountain	9	Water	×							- 		
														_
														_

Note: Since laboratory accreditations are subject to change. Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample stripment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/fests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditation street to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Possible Hazard Identification

Unconfirmed			\Box Return To Client \Box Dispo	Disposal By Lab	Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	sd _S	Special Instructions/QC Requirements:			
Empty Kit Relinquished by:	Date:	Time:		Method of Shipment	ant:	
Relinquished by: A. M.C.O.A.	Date/Time: 9/16/94/ 1505-	Company	Received by:	Date/Time:		Company
Relinquished by:	Date/Time: '	Company	Received by:	Date/Time:		Company
Relinquished by:	Date/Time:	Company	Received by:	Date/	Date/Time: 4/17/194 9:33	Company
Custody Seals Intact: Custody Seal No.: △ Yes △ No			Cooler Temperature(s) °C and Other Remarks: 33°C	33.C	KE	

Ver: 05/06/2024

10/3/2024

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11831-1

Login Number: 11831 List Source: Eurofins Albuquerque

List Number: 1

Creator: Dominguez, Desiree

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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Client: EA Engineering

Job Number: 885-11831-1

List Source: Eurofins Pensacola
List Number: 2
List Creation: 09/17/24 07:41 PM

Creator: Roberts, Darrien

Creator: Roberts, Darrien		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	<2, HC311850
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

Generated 10/3/2024 4:16:43 PM

JOB DESCRIPTION

Dona Ana Dairies

JOB NUMBER

885-12222-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

10/3/2024

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Client: EA Engineering

Laboratory Job ID: 885-12222-1

Project/Site: Dona Ana Dairies

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Definitions/Glossary

Client: EA Engineering Job ID: 885-12222-1

Project/Site: Dona Ana Dairies

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Page 4 of 17

Case Narrative

Client: EA Engineering
Project: Dona Ana Dairies

Job ID: 885-12222-1 Eurofins Albuquerque

Job Narrative 885-12222-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/20/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C.

HPLC/IC

Method 300_OF_48H_PREC: The following samples were diluted due to the nature of the sample matrix: DAD-27 (885-12222-1), DAD-26 (885-12222-2) and DAD-10 (885-12222-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 885-12222-1

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Client: EA Engineering Job ID: 885-12222-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-27

Date Received: 09/20/24 09:00

Lab Sample ID: 885-12222-1 Date Collected: 09/19/24 10:36

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography RL Unit Result Qualifier D Prepared Analyzed Dil Fac Chloride 50 mg/L 09/20/24 19:34 470 100 09/20/24 18:57 **Nitrate** 7.6 1.0 mg/L 10 Nitrite ND F1 1.0 mg/L 09/20/24 18:57 10 **General Chemistry** Result Qualifier Dil Fac Analyte RL Unit D Prepared Analyzed Total Dissolved Solids (SM 2540C) 2000 100 mg/L 09/26/24 14:59 ND 0.50 Nitrogen, Kjeldahl (EPA 351.2) mg/L 09/24/24 15:59 09/25/24 14:26

Client: EA Engineering Job ID: 885-12222-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-26

Lab Sample ID: 885-12222-2 Date Collected: 09/19/24 12:40 **Matrix: Water**

Date Received: 09/20/24 09:00

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		50	mg/L			09/20/24 19:58	100
Nitrate	14		1.0	mg/L			09/20/24 19:46	10
Nitrite	ND		1.0	mg/L			09/20/24 19:46	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2100		100	mg/L			09/26/24 14:59	1
Nitrogen, Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/24/24 15:59	09/25/24 14:28	1

Client: EA Engineering Job ID: 885-12222-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-10

Lab Sample ID: 885-12222-3 Date Collected: 09/19/24 14:50

Matrix: Water Date Received: 09/20/24 09:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		50	mg/L			09/20/24 20:23	100
Nitrate	ND		1.0	mg/L			09/20/24 20:11	10
Nitrite	ND		1.0	mg/L			09/20/24 20:11	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		250	mg/L			09/26/24 14:59	1
Nitrogen, Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/24/24 15:59	09/25/24 14:29	1

Client: EA Engineering

Job ID: 885-12222-1

Project/Site: Dona Ana Dairies

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12756/4

Matrix: Water

Analysis Batch: 12756

Analyte

Chloride

Client Sample ID: Method Blank Prep Type: Total/NA

мв мв Result Qualifier RL Unit D Prepared Analyzed Dil Fac ND 0.50 mg/L 09/20/24 09:07

Lab Sample ID: LCS 885-12756/5 Client Sample ID: Lab Control Sample **Matrix: Water**

Prep Type: Total/NA

Analysis Batch: 12756

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 5.00 4.88 mg/L 98 90 - 110

Lab Sample ID: MRL 885-12756/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12756

%Rec Spike MRL MRL Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.540 mg/L 108 50 - 150

Lab Sample ID: MB 885-12758/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12758

мв мв

Qualifier RL Unit D Dil Fac Analyte Result Prepared Analyzed 0.10 Nitrate ND mg/L 09/20/24 09:07 ND 09/20/24 09:07 Nitrite 0.10 mg/L

Lab Sample ID: LCS 885-12758/5 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12758

-	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate	2.50	2.57		mg/L		103	90 - 110	 -	_
Nitrite	1.00	0.937		mg/L		94	90 - 110		

Lab Sample ID: MRL 885-12758/3 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12758

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	0.100	0.105		mg/L		105	50 - 150	
Nitrite	0.0999	0.102		ma/L		102	50 - 150	

Lab Sample ID: 885-12222-1 MS Client Sample ID: DAD-27 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12758

Analysis Daton. 12100										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	7.6		25.0	31.0		mg/L		94	80 - 120	

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10/3/2024

Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-12222-1

Prep Type: Total/NA

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-12222-1 MSD Client Sample ID: DAD-27

Matrix: Water

Analysis Batch: 12758

Sample Sample MSD MSD %Rec RPD Spike Result Qualifier Analyte Added Result Qualifier %Rec Limits RPD Limit Unit Nitrate 7.6 25.0 30.7 mg/L 92 80 - 120 20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-13105/1 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

Analysis Batch: 13105

MB MB

Result Qualifier RL Unit Dil Fac D Prepared Analyzed 50 ND 09/26/24 14:59 **Total Dissolved Solids** mg/L

Lab Sample ID: LCS 885-13105/2 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water Analysis Batch: 13105

Spike LCS LCS %Rec

Analyte Added Result Qualifier Unit D %Rec Limits Total Dissolved Solids 1000 1010 mg/L 101 80 - 120

Lab Sample ID: 885-12222-1 DU Client Sample ID: DAD-27 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 13105

DU DU RPD Sample Sample Analyte Result Qualifier Qualifier Unit **RPD** Limit Result Total Dissolved Solids 2000 2020 mg/L 10

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 400-685599/1-A Client Sample ID: Method Blank

Matrix: Water

Nitrogen, Kjeldahl

Analysis Batch: 685753

мв мв Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac

Nitrogen, Kjeldahl ND 0.50 mg/L 09/24/24 15:59 09/25/24 13:53

Lab Sample ID: LCS 400-685599/2-A Client Sample ID: Lab Control Sample

Matrix: Water Analysis Batch: 685753

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit %Rec Limits

10.0

Lab Sample ID: MRL 400-685753/14 Client Sample ID: Lab Control Sample

11.0

mg/L

Matrix: Water Prep Type: Total/NA

Analysis Batch: 685753

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit %Rec Nitrogen, Kjeldahl 0.100 ND 148 ma/L 50 - 150

Prep Type: Total/NA **Prep Batch: 685599**

QC Association Summary

Client: EA Engineering Job ID: 885-12222-1 Project/Site: Dona Ana Dairies

HPLC/IC

Analysis Batch: 12756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12222-1	DAD-27	Total/NA	Water	300.0	
885-12222-2	DAD-26	Total/NA	Water	300.0	
885-12222-3	DAD-10	Total/NA	Water	300.0	
MB 885-12756/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12756/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12756/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 12758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-12222-1	DAD-27	Total/NA	Water	300.0	
885-12222-2	DAD-26	Total/NA	Water	300.0	
885-12222-3	DAD-10	Total/NA	Water	300.0	
MB 885-12758/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12758/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12758/3	Lab Control Sample	Total/NA	Water	300.0	
885-12222-1 MS	DAD-27	Total/NA	Water	300.0	
885-12222-1 MSD	DAD-27	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 13105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
885-12222-1	DAD-27	Total/NA	Water	2540C	
885-12222-2	DAD-26	Total/NA	Water	2540C	
885-12222-3	DAD-10	Total/NA	Water	2540C	
MB 885-13105/1	Method Blank	Total/NA	Water	2540C	
LCS 885-13105/2	Lab Control Sample	Total/NA	Water	2540C	
885-12222-1 DU	DAD-27	Total/NA	Water	2540C	

Prep Batch: 685599

Lab Sample ID 885-12222-1	Client Sample ID DAD-27	Prep Type Total/NA	Matrix Water	Method 351.2	Prep Batch
885-12222-2	DAD-26	Total/NA	Water	351.2	
885-12222-3	DAD-10	Total/NA	Water	351.2	
MB 400-685599/1-A	Method Blank	Total/NA	Water	351.2	
LCS 400-685599/2-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 685753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12222-1	DAD-27	Total/NA	Water	351.2	685599
885-12222-2	DAD-26	Total/NA	Water	351.2	685599
885-12222-3	DAD-10	Total/NA	Water	351.2	685599
MB 400-685599/1-A	Method Blank	Total/NA	Water	351.2	685599
LCS 400-685599/2-A	Lab Control Sample	Total/NA	Water	351.2	685599
MRL 400-685753/14	Lab Control Sample	Total/NA	Water	351.2	

Eurofins Albuquerque

Lab Chronicle

Client: EA Engineering Job ID: 885-12222-1 Project/Site: Dona Ana Dairies

Client Sample ID: DAD-27

Lab Sample ID: 885-12222-1

Matrix: Water

Date Collected: 09/19/24 10:36 Date Received: 09/20/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12758	RC	EET ALB	09/20/24 18:57
Total/NA	Analysis	300.0		100	12756	RC	EET ALB	09/20/24 19:34
Total/NA	Analysis	2540C		1	13105	ES	EET ALB	09/26/24 14:59
Total/NA	Prep	351.2			685599	VB	EET PEN	09/24/24 15:59
Total/NA	Analysis	351.2		1	685753	VB	EET PEN	09/25/24 14:26

Client Sample ID: DAD-26 Lab Sample ID: 885-12222-2

Date Collected: 09/19/24 12:40 **Matrix: Water**

Date Received: 09/20/24 09:00

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12758	RC	EET ALB	09/20/24 19:46
Total/NA	Analysis	300.0		100	12756	RC	EET ALB	09/20/24 19:58
Total/NA	Analysis	2540C		1	13105	ES	EET ALB	09/26/24 14:59
Total/NA	Prep	351.2			685599	VB	EET PEN	09/24/24 15:59
Total/NA	Analysis	351.2		1	685753	VB	EET PEN	09/25/24 14:28

Client Sample ID: DAD-10 Lab Sample ID: 885-12222-3

Date Collected: 09/19/24 14:50 **Matrix: Water** Date Received: 09/20/24 09:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	12758	RC	EET ALB	09/20/24 20:11
Total/NA	Analysis	300.0		100	12756	RC	EET ALB	09/20/24 20:23
Total/NA	Analysis	2540C		1	13105	ES	EET ALB	09/26/24 14:59
Total/NA	Prep	351.2			685599	VB	EET PEN	09/24/24 15:59
Total/NA	Analysis	351.2		1	685753	VB	EET PEN	09/25/24 14:29

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975 EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Eurofins Albuquerque

10/3/2024

Accreditation/Certification Summary

Client: EA Engineering Project/Site: Dona Ana Dairies

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
• .	are included in this report, bu	t the laboratory is not certif	fied by the governing authority. This	list may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
	NELAF	_	NM100001	02-26-25

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-25
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-25

Job ID: 885-12222-1

10/3/2024

Environment Testing

Albuquerque, NM 87109 Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

Eurofins Albuquerque

4901 Hawkins NE

	Sampler:			Lab PM:		1			Carrier Tracking No(s):	ng No(s):	COC No:	COC No:
Cheff morniation (Sub Contract Lab)				INCING	incivalitata, coneeli						7-000	1.760
Client Contact:	Phone:			E-Mail:	:	(٠		State of Origin:		Page:	
Snipping/Receiving				collee	n.McNan	nara@et.	colleen.McNamara@et.eurofinsus.com	com	New Mexico	0	Page	Page 1 of 1
Company: Eurofins Environment Testing Southeast L				<u> </u>	AELAP -	ns Require Oregon;	Accreditations Required (See note): NELAP - Oregon; State - New Mexico	v Mexico			Job #: 885-1	Job #: 885-12222-1
Address:	Due Date Requested:	Ġ:					A Car	Potocino O ciordos A	60400		Prese	Preservation Codes:
י י י י י י י י י י י י י י י י י י י	9/30/2024						Aliai	אפופ לופל	nesten			
City: Pensacola	TAT Requested (days):	ıys):										
State, Zip: FL, 32514												
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:				(0)							
Email:	:#OM										SI	
Project Name: Dona Ana Dairies	Project #: 88501155				ло sə, ло sə,		-				antestr	
Site:	SSOW#:				n) dei						ී Other:	
			Sample Type	Matrix (w=water, S=solid	banatiin M&M mm ang_s.rae						Иптре	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	(C=comp, G=grab)	Ĵ							ls3eT	Special Instructions/Note:
	X	X	Preservation Code	ion Gode:	X						X	
DAD-27 (885-12222-1)	9/19/24	10:36 Mountain	9	Water	×						÷	
DAD-26 (885-12222-2)	9/19/24	12:40 Mountain	9	Water	×							
DAD-10 (885-12222-3)	9/19/24	14:50 Mountain	9	Water	×						4	
											4	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the	ent Testing South Cent	ral, LLC places	the ownership	of method, ana	lyte & accre	editation co	mpliance upo	on our subcor	tract laborator	ies. This sample s	hipment is fon	warded under chain-of-custody. If the

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Possible Hazard Identification

Unconfirmed		_	Return To Client Disposal By Lab	al By Lab	Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	ads	Special Instructions/QC Requirements:			
Empty Kit Relinquished by:	Date:	Time:		Method of Shipment	ţ	
Relinquished by:	Date/Timed/199/2/ 1995 Co	Company	Received by:	Date/Time:		Company
Relinquished by	Date/Time: / / Co	Company	Received by:	Date/Time:		Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Tir	Date/Time: 4/24/24 1:50	Sompany
Custody Seals Intact: Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:	SM 291	811	

Ver: 05/06/2024

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-12222-1

Login Number: 12222 List Source: Eurofins Albuquerque

List Number: 1

sampling.

Creator: McQuiston, Steven

, and the second		
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of	N/A	

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-12222-1

List Source: Eurofins Pensacola
List Number: 2
List Source: Eurofins Pensacola
List Creation: 09/24/24 10:40 AM

Creator: Roberts, Darrien

oreator. Noberts, Darrien		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	<2, HC311850
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

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JOB DESCRIPTION

Dona Ana Dairies

JOB NUMBER

885-12311-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975 2

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10/4/2024

Client: EA Engineering
Project/Site: Dona Ana Dairies

Laboratory Job ID: 885-12311-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-12311-1

Project/Site: Dona Ana Dairies

Glossary

MDC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Concentration (Radiochemistry)

 NEG
 Negative / Absent

 POS
 Positive / Present

 PQL
 Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: EA Engineering
Project: Dona Ana Dairies

Job ID: 885-12311-1 Eurofins Albuquerque

Job Narrative 885-12311-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/21/2024 9:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

HPLC/IC

Method 300_OF_28D_NO3: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 885-12827 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 885-12311-1

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Eurofins Albuquerque

Client: EA Engineering Job ID: 885-12311-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-22 Lab Sample ID: 885-12311-1

Date Collected: 09/20/24 15:45 Matrix: Water

Date Received: 09/21/24 09:50

Method: EPA 300.0 - Anions, Ion Cl Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	760		50	mg/L			09/23/24 13:41	100
Nitrate Nitrite as N	19		1.0	mg/L			09/23/24 23:09	5
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2400		250	mg/L			09/26/24 14:59	1
Nitrogen, Total Kieldahl (EPA 351.2)	ND		0.50	ma/l		09/23/24 13:39	09/25/24 17:10	1

Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-12311-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12826/4

Matrix: Water

Analysis Batch: 12826

Client Sample ID: Method Blank

Prep Type: Total/NA

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 09/23/24 10:23

Lab Sample ID: LCS 885-12826/5 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12826

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 5.00 4.72 mg/L 94 90 - 110

Lab Sample ID: MRL 885-12826/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12826

MRL MRL %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits

0.500

Lab Sample ID: MB 885-12827/4 Client Sample ID: Method Blank Prep Type: Total/NA

0.534

mg/L

107

50 - 150

Matrix: Water

Chloride

Analysis Batch: 12827

мв мв

Analyte Result Qualifier RL Unit Dil Fac Prepared Analyzed 0.20 09/23/24 10:23 Nitrate Nitrite as N ND mg/L

Lab Sample ID: LCS 885-12827/5 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 12827

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Nitrate	2.50	2.48		mg/L		99	90 - 110
Nitrite	1.00	0.910		mg/L		91	90 - 110
Nitrate Nitrite as N	3 50	3 39		ma/l		97	90 - 110

Lab Sample ID: MRL 885-12827/3 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12827

	Spike	MRL	MRL				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Nitrate	0.100	0.108		mg/L		108	50 - 150
Nitrite	0.0999	0.103		mg/L		103	50 - 150
Nitrate Nitrite as N	0.200	0.211		mg/L		106	50 - 150

Lab Sample ID: 885-12311-1 MS Client Sample ID: DAD-22

Matrix: Water

Analysis Batch: 12827

•	Sample Sample	e Spike	MS	MS				%Rec	
Analyte	Result Qualific	er Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	19	25.0	44.8		mg/L		104	80 - 120	
Nitrate Nitrite as N	19	35.0	51.3		ma/L		92	80 - 120	

Eurofins Albuquerque

10/4/2024

Prep Type: Total/NA

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Prep Type: Total/NA

Client: EA Engineering

Job ID: 885-12311-1 Project/Site: Dona Ana Dairies

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-12311-1 MSD **Client Sample ID: DAD-22** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12827

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate	19		25.0	44.4		mg/L		103	80 - 120	1	20
Nitrate Nitrite as N	19		35.0	50.9		mg/L		91	80 - 120	1	20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-13105/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 13105

	MB	MB							
Analyte	Result	Qualifier	RL	Un	it D)	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg	/L			09/26/24 14:59	1

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 885-13105/2 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 13105

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	1000	1010		mg/L		101	80 - 120	

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-12781/3-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 13049

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	ma/L		09/23/24 13:39	09/25/24 16:52	1

Lab Sample ID: LCS 885-12781/5-A **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 13049							Prep	Batch: 12781
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kieldahl	10.0	10.0		ma/L		100	90 - 110	

Lab Sample ID: LLCS 885-12781/4-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 13049						Prep Batch: 12781		
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	0.500	0.522		mg/L	_	104	50 - 150	

Eurofins Albuquerque

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 12781

10/4/2024

QC Association Summary

Client: EA Engineering
Project/Site: Dona Ana Dairies

Job ID: 88

HPLC/IC

Analysis Batch: 12826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch	1
885-12311-1	DAD-22	Total/NA	Water	300.0	
MB 885-12826/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12826/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12826/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 12827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12311-1	DAD-22	Total/NA	Water	300.0	
MB 885-12827/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12827/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12827/3	Lab Control Sample	Total/NA	Water	300.0	
885-12311-1 MS	DAD-22	Total/NA	Water	300.0	
885-12311-1 MSD	DAD-22	Total/NA	Water	300.0	

General Chemistry

Prep Batch: 12781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12311-1	DAD-22	Total/NA	Water	351.2	
MB 885-12781/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-12781/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-12781/4-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 13049

Lab Sample ID	Client Sample ID	Prep Type	Matrix		rep Batch
885-12311-1	DAD-22	Total/NA	Water	351.2	12781
MB 885-12781/3-A	Method Blank	Total/NA	Water	351.2	12781
LCS 885-12781/5-A	Lab Control Sample	Total/NA	Water	351.2	12781
LLCS 885-12781/4-A	Lab Control Sample	Total/NA	Water	351.2	12781

Analysis Batch: 13105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12311-1	DAD-22	Total/NA	Water	2540C	
MB 885-13105/1	Method Blank	Total/NA	Water	2540C	
LCS 885-13105/2	Lab Control Sample	Total/NA	Water	2540C	

Job ID: 885-12311-1

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Lab Chronicle

Client: EA Engineering Job ID: 885-12311-1

Project/Site: Dona Ana Dairies

Date Received: 09/21/24 09:50

Lab Sample ID: 885-12311-1 **Client Sample ID: DAD-22** Date Collected: 09/20/24 15:45

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	12826	RC	EET ALB	09/23/24 13:41
Total/NA	Analysis	300.0		5	12827	RC	EET ALB	09/23/24 23:09
Total/NA	Analysis	2540C		1	13105	ES	EET ALB	09/26/24 14:59
Total/NA	Prep	351.2			12781	HR	EET ALB	09/23/24 13:39
Total/NA	Analysis	351.2		1	13049	HR	EET ALB	09/25/24 17:10

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering

Job ID: 885-12311-1

Project/Site: Dona Ana Dairies

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date			
New Mexico	State		NM9425, NM0901	02-26-25			
The following analytes	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analytes			
for which the agency do	oes not offer certification.						
Analysis Method	Prep Method	Matrix	Analyte				
2540C		Water	Total Dissolved Solids				
300.0		Water	Chloride				
300.0		Water	Nitrate Nitrite as N				
351.2	351.2	Water	Nitrogen, Total Kjeldahl	Nitrogen, Total Kjeldahl			
Oregon	NELA	P	NM100001	02-26-25			
The following analytes	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analytes			
for which the agency do	oes not offer certification.						
Analysis Method	Prep Method	Matrix	Analyte				
351.2	351.2	Water	Nitrogen, Total Kjeldahl				

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-12311-1

Login Number: 12311 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

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JOB DESCRIPTION

Del Oro Dairy

JOB NUMBER

885-11220-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

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Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

10/2/2024

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Client: EA Engineering Project/Site: Del Oro Dairy Laboratory Job ID: 885-11220-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-11220-1

Project/Site: Del Oro Dairy

Qualifiers

General Chemistry

F1 MS and/or MSD recovery exceeds control limits.

Glossary

DLC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DI RA RE IN	Indicates a Dilution. Re-analysis. Re-extraction, or additional Initial metals/anion analysis of the sample

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Decision Level Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Albuquerque

10/2/2024

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Case Narrative

Client: EA Engineering Project: Del Oro Dairy

Job ID: 885-11220-1 Eurofins Albuquerque

Job Narrative 885-11220-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/5/2024 8:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 351.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-11969 and analytical batch 885-12254 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 885-11220-1

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Client: EA Engineering Job ID: 885-11220-1

Project/Site: Del Oro Dairy

Client Sample ID: EW-05 Lab Sample ID: 885-11220-1

Date Collected: 09/04/24 10:26

Date Received: 09/05/24 08:50

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470	50	mg/L			09/05/24 22:03	100
Nitrate Nitrite as N	18	2.0	mg/L			09/05/24 21:50	10
_							

General Chemistry Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1800		250	mg/L			09/10/24 08:31	1
Nitrogen Total Kieldahl (EPA 351.2)	ND		0.50	ma/L		09/10/24 16:38	09/13/24 12:29	1

Client: EA Engineering Job ID: 885-11220-1

Project/Site: Del Oro Dairy

Client Sample ID: 692-02 Lab Sample ID: 885-11220-2

Matrix: Water

Date Collected: 09/04/24 11:50 Date Received: 09/05/24 08:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		50	mg/L			09/05/24 22:52	100
Nitrate Nitrite as N	16		2.0	mg/L			09/05/24 22:40	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1700		100	mg/L			09/10/24 08:31	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/10/24 16:38	09/13/24 12:27	1

Client: EA Engineering Job ID: 885-11220-1

Project/Site: Del Oro Dairy

Date Received: 09/05/24 08:50

Client Sample ID: EW-04

Date Collected: 09/04/24 13:12

Lab Samp

Lab Sample ID: 885-11220-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		50	mg/L			09/05/24 23:17	100
Nitrate Nitrite as N	23		2.0	mg/L			09/05/24 23:04	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1700		50	mg/L			09/10/24 12:08	1
			0.50	mg/L		09/10/24 16:38	09/13/24 12:26	

Client: EA Engineering Job ID: 885-11220-1

Project/Site: Del Oro Dairy

Client Sample ID: 692-09 Lab Sample ID: 885-11220-4 Date Collected: 09/04/24 15:28

Matrix: Water

Date Received: 09/05/24 08:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		50	mg/L			09/05/24 23:42	100
Nitrate Nitrite as N	7.0		2.0	mg/L			09/05/24 23:29	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1400		50	mg/L			09/10/24 12:08	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND	F1	0.50	mg/L		09/10/24 16:38	09/13/24 12:21	1

Job ID: 885-11220-1

Prep Type: Total/NA

Client Sample ID: Method Blank

Analyzed

09/05/24 15:40

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client: EA Engineering Project/Site: Del Oro Dairy

Dil Fac

98 90 - 110 Client Sample ID: Lab Control Sample Prep Type: Total/NA %Rec %Rec Limits 101 50 - 150 Client Sample ID: Method Blank Prep Type: Total/NA Analyzed Dil Fac

Lab Sample ID: MB 885-11730/4

Matrix: Water

Analysis Batch: 11730

Method: 300.0 - Anions, Ion Chromatography

Analyte Result Qualifier RLUnit D Prepared Chloride ND 0.50 mg/L

MB MB

Lab Sample ID: LCS 885-11730/5 **Matrix: Water**

Analysis Batch: 11730

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 5.00 4.70 mg/L 94 90 - 110

Lab Sample ID: MRL 885-11730/3

Matrix: Water Analysis Batch: 11730

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.515 mg/L 103 50 - 150

Lab Sample ID: MB 885-11741/4

Matrix: Water

Analysis Batch: 11741

мв мв

Result Qualifier RL Unit Analyte D Prepared Analyzed Dil Fac 0.20 Nitrate Nitrite as N ND 09/05/24 15:40 mg/L

Lab Sample ID: LCS 885-11741/5

Matrix: Water

Analysis Batch: 11741

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate Nitrite as N 3.50 3.42 mg/L

Lab Sample ID: MRL 885-11741/3

Matrix: Water

Analysis Batch: 11741

Spike MRL MRL Added Analyte Result Qualifier Unit D Nitrate Nitrite as N 0.200 0.202 mg/L

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11893/1

Matrix: Water

Analysis Batch: 11893

MB MB

Analyte Result Qualifier RLUnit D Prepared Total Dissolved Solids ND 50 mg/L 09/10/24 08:31 Spike

Spike

Added

1000

Spike

Added

10.0

Spike

Added

0.500

LCS LCS

LCS LCS

LCS LCS

LLCS LLCS

MS MS

0.515

Result Qualifier

Qualifier

Result

9.34

Qualifier

Unit

mq/L

Result

1020

1020

RL

50

RL

0.50

Result Qualifier

Unit

mg/L

Unit

mg/L

Unit

mg/L

Unit

mg/L

Unit

mg/L

Client: EA Engineering

Job ID: 885-11220-1

Prep Type: Total/NA

Project/Site: Del Oro Dairy

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 885-11893/2

Matrix: Water

Analysis Batch: 11893

Analyte Added **Total Dissolved Solids** 1000

MB MB

мв мв

Qualifier

Result

ND

ND

Result Qualifier

Lab Sample ID: MB 885-11948/1 **Matrix: Water**

Analysis Batch: 11948

Analyte **Total Dissolved Solids**

Lab Sample ID: LCS 885-11948/2

Matrix: Water Analysis Batch: 11948

Analyte Total Dissolved Solids

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11969/3-A

Matrix: Water

Analysis Batch: 12254

Analyte Nitrogen, Total Kjeldahl

Lab Sample ID: LCS 885-11969/5-A **Matrix: Water**

Analysis Batch: 12254

Analyte

Nitrogen, Total Kjeldahl

Lab Sample ID: LLCS 885-11969/4-A **Matrix: Water**

Analyte

Analysis Batch: 12254

Nitrogen, Total Kjeldahl Lab Sample ID: 885-11220-4 MS

Matrix: Water

Analysis Batch: 12254

Sample Sample Analyte Result Qualifier

ND F1 Nitrogen, Total Kjeldahl

Spike Added 10.0

7.91

Result Qualifier F1

Unit mg/L

D %Rec

D

Limits 90 - 110

Dil Fac

Client Sample ID: Method Blank

Analyzed

09/10/24 12:08

Client Sample ID: Lab Control Sample

%Rec

Limits

80 - 120

%Rec

Prepared

Prepared

09/10/24 16:38

%Rec

%Rec

103

102

D

D

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

%Rec Limits

%Rec 102 80 - 120

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 11969

Dil Fac Analyzed 09/13/24 11:57

Client Sample ID: Lab Control Sample

Limits

50 - 150

Prep Type: Total/NA Prep Batch: 11969

90 - 110

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 11969

%Rec

Limits

Client Sample ID: 692-09 Prep Type: Total/NA

Prep Batch: 11969 %Rec

Eurofins Albuquerque

QC Sample Results

Client: EA Engineering Job ID: 885-11220-1

Project/Site: Del Oro Dairy

Lab Sample ID: 885-11220-4 MSD

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Matrix: Water

Analysis Batch: 12254

Client Sample ID: 692-09
Prep Type: Total/NA

Prep Batch: 11969

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrogen, Total Kjeldahl	ND	F1	10.0	8.80	F1	mg/L		88	90 - 110	11	20

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QC Association Summary

Client: EA Engineering Job ID: 885-11220-1

Project/Site: Del Oro Dairy

HPLC/IC

Analysis Batch: 11730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11220-1	EW-05	Total/NA	Water	300.0	
885-11220-2	692-02	Total/NA	Water	300.0	
885-11220-3	EW-04	Total/NA	Water	300.0	
885-11220-4	692-09	Total/NA	Water	300.0	
MB 885-11730/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11730/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11730/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11220-1	EW-05	Total/NA	Water	300.0	
885-11220-2	692-02	Total/NA	Water	300.0	
885-11220-3	EW-04	Total/NA	Water	300.0	
885-11220-4	692-09	Total/NA	Water	300.0	
MB 885-11741/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11741/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11741/3	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 11893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11220-1	EW-05	Total/NA	Water	2540C	
885-11220-2	692-02	Total/NA	Water	2540C	
MB 885-11893/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11893/2	Lab Control Sample	Total/NA	Water	2540C	

Analysis Batch: 11948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11220-3	EW-04	Total/NA	Water	2540C	_ <u> </u>
885-11220-4	692-09	Total/NA	Water	2540C	
MB 885-11948/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11948/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 11969

Γ					
Lab Sample ID	Client Sample ID	Prep Type	Matrix Matrix	Method	Prep Batch
885-11220-1	EW-05	Total/NA	Water	351.2	
885-11220-2	692-02	Total/NA	Water	351.2	
885-11220-3	EW-04	Total/NA	Water	351.2	
885-11220-4	692-09	Total/NA	Water	351.2	
MB 885-11969/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11969/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11969/4-A	Lab Control Sample	Total/NA	Water	351.2	
885-11220-4 MS	692-09	Total/NA	Water	351.2	
885-11220-4 MSD	692-09	Total/NA	Water	351.2	

Analysis Batch: 12254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11220-1	EW-05	Total/NA	Water	351.2	11969
885-11220-2	692-02	Total/NA	Water	351.2	11969
885-11220-3	EW-04	Total/NA	Water	351.2	11969

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QC Association Summary

Client: EA Engineering Job ID: 885-11220-1

Project/Site: Del Oro Dairy

General Chemistry (Continued)

Analysis Batch: 12254 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11220-4	692-09	Total/NA	Water	351.2	11969
MB 885-11969/3-A	Method Blank	Total/NA	Water	351.2	11969
LCS 885-11969/5-A	Lab Control Sample	Total/NA	Water	351.2	11969
LLCS 885-11969/4-A	Lab Control Sample	Total/NA	Water	351.2	11969
885-11220-4 MS	692-09	Total/NA	Water	351.2	11969
885-11220-4 MSD	692-09	Total/NA	Water	351.2	11969

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Client: EA Engineering Project/Site: Del Oro Dairy

Client Sample ID: EW-05

Date Collected: 09/04/24 10:26

Lab Sample ID: 885-11220-1 Matrix: Water

Date Received: 09/05/24 08:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11741	JT	EET ALB	09/05/24 21:50
Total/NA	Analysis	300.0		100	11730	JT	EET ALB	09/05/24 22:03
Total/NA	Analysis	2540C		1	11893	ES	EET ALB	09/10/24 08:31
Total/NA	Prep	351.2			11969	HR	EET ALB	09/10/24 16:38
Total/NA	Analysis	351.2		1	12254	DL	EET ALB	09/13/24 12:29

Client Sample ID: 692-02 Lab Sample ID: 885-11220-2

Date Collected: 09/04/24 11:50 Matrix: Water

Date Received: 09/05/24 08:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11741	JT	EET ALB	09/05/24 22:40
Total/NA	Analysis	300.0		100	11730	JT	EET ALB	09/05/24 22:52
Total/NA	Analysis	2540C		1	11893	ES	EET ALB	09/10/24 08:31
Total/NA	Prep	351.2			11969	HR	EET ALB	09/10/24 16:38
Total/NA	Analysis	351.2		1	12254	DL	EET ALB	09/13/24 12:27

Client Sample ID: EW-04 Lab Sample ID: 885-11220-3

Date Collected: 09/04/24 13:12

Date Received: 09/05/24 08:50

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11741	JT	EET ALB	09/05/24 23:04
Total/NA	Analysis	300.0		100	11730	JT	EET ALB	09/05/24 23:17
Total/NA	Analysis	2540C		1	11948	ES	EET ALB	09/10/24 12:08
Total/NA	Prep	351.2			11969	HR	EET ALB	09/10/24 16:38
Total/NA	Analysis	351.2		1	12254	DL	EET ALB	09/13/24 12:26

Client Sample ID: 692-09 Lab Sample ID: 885-11220-4

Date Collected: 09/04/24 15:28 Matrix: Water
Date Received: 09/05/24 08:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11741	JT	EET ALB	09/05/24 23:29
Total/NA	Analysis	300.0		100	11730	JT	EET ALB	09/05/24 23:42
Total/NA	Analysis	2540C		1	11948	ES	EET ALB	09/10/24 12:08
Total/NA	Prep	351.2			11969	HR	EET ALB	09/10/24 16:38
Total/NA	Analysis	351.2		1	12254	DL	EET ALB	09/13/24 12:21

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering

Job ID: 885-11220-1

Project/Site: Del Oro Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date	
New Mexico	State		NM9425, NM0901	02-26-25	
The following analytes	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	t may include analytes	
for which the agency do	oes not offer certification.				
Analysis Method	Prep Method	Matrix	Analyte		
2540C		Water	Total Dissolved Solids		
300.0		Water	Chloride		
300.0		Water	Nitrate Nitrite as N		
351.2	351.2	Water	Nitrogen, Total Kjeldahl		
Dregon	NELA	P	NM100001	02-26-25	
The following analytes	are included in this report, b	ut the laboratory is not certif	ied by the governing authority. This lis	t may include analytes	
for which the agency do	oes not offer certification.				
Analysis Method	Prep Method	Matrix	Analyte		
351.2	351.2	Water	Nitrogen, Total Kjeldahl		

10/2/2024

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10/2/2024

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11220-1

Login Number: 11220 List Source: Eurofins Albuquerque

List Number: 1

Creator: Dominguez, Desiree

• ,		
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 10/2/2024 8:12:03 AM

JOB DESCRIPTION

Del Oro Dairy

JOB NUMBER

885-11275-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 10/2/2024 8:12:03 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Project/Site: Del Oro Dairy Laboratory Job ID: 885-11275-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-11275-1

Project/Site: Del Oro Dairy

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit Contains No Free Liquid CNF

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present Practical Quantitation Limit POI

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: EA Engineering Project: Del Oro Dairy

Job ID: 885-11275-1 Eurofins Albuquerque

Job Narrative 885-11275-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/6/2024 8:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 351.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-12315 and analytical batch 885-12613 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 885-11275-1

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Client: EA Engineering Job ID: 885-11275-1

Project/Site: Del Oro Dairy

Client Sample ID: 692-05 Lab Sample ID: 885-11275-1

Date Collected: 09/05/24 11:10 Matrix: Water

Date Received: 09/06/24 08:50

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		50	mg/L			09/06/24 16:53	100
Sulfate	270		5.0	mg/L			09/06/24 16:41	10
Nitrate Nitrite as N	15		2.0	mg/L			09/06/24 16:41	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		250	mg/L			09/11/24 12:24	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/16/24 12:03	09/19/24 16:57	1

Client: EA Engineering Job ID: 885-11275-1

Project/Site: Del Oro Dairy

Client Sample ID: 692-06 Lab Sample ID: 885-11275-2

Date Collected: 09/05/24 13:36 Matrix: Water Date Received: 09/06/24 08:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		50	mg/L			09/06/24 17:18	100
Sulfate	210		5.0	mg/L			09/06/24 17:06	10
Nitrate Nitrite as N	4.8		2.0	mg/L			09/06/24 17:06	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		100	mg/L			09/12/24 09:28	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND	F1	0.50	ma/L		09/16/24 12:03	09/19/24 16:59	1

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Client: EA Engineering Job ID: 885-11275-1

Project/Site: Del Oro Dairy

Client Sample ID: 692-07 Lab Sample ID: 885-11275-3

Date Collected: 09/05/24 15:05 **Matrix: Water** Date Received: 09/06/24 08:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	530		50	mg/L			09/06/24 18:07	100
Sulfate	210		5.0	mg/L			09/06/24 17:55	10
Nitrate Nitrite as N	2.8		2.0	mg/L			09/06/24 17:55	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1700		100	mg/L			09/12/24 09:28	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/16/24 12:03	09/19/24 17:03	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11795/4	Client Sample ID: Method Blank
Matrix: Water	Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11795

Client: EA Engineering

Project/Site: Del Oro Dairy

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			09/06/24 08:26	1
Sulfate	ND		0.50	mg/L			09/06/24 08:26	1

Lab Sample ID: MB 885-11795/78 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11795

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			09/06/24 19:34	1
Sulfate	ND		0.50	mg/L			09/06/24 19:34	1

Lab Sample ID: LCS 885-11795/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11795

LCS LCS %Rec Spike Added Result Qualifier Analyte Unit %Rec Limits Chloride 5.00 4.78 96 90 - 110 mg/L Sulfate 10.0 9.32 mg/L 93 90 - 110

Lab Sample ID: LCS 885-11795/79 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11795

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		5.00	4.80		mg/L		96	90 - 110	
Sulfate		10.0	9.36		ma/l		QΛ	90 110	

Lab Sample ID: MRL 885-11795/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11795

•	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	0.500	0.519		mg/L		104	50 - 150	
Sulfate	0.500	0.513		mg/L		103	50 - 150	

Lab Sample ID: MB 885-11796/24 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11796

	МВ	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			09/06/24 08:26	1

Lab Sample ID: MB 885-11796/78 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11796

	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			09/06/24 19:34	1

Eurofins Albuquerque

Job ID: 885-11275-1

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Method: 300.0 - Anions, Ion	Chromatography (Continued)

Lab Sample ID: LCS 885-11796/25 **Matrix: Water**

Analysis Batch: 11796

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N	3.50	3.45		mg/L		99	90 - 110	

Lab Sample ID: LCS 885-11796/79

Matrix: Water

Analysis Batch: 11796

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Nitrate Nitrite as N	 3.50	3.47		ma/L		99	90 - 110

Lab Sample ID: MRL 885-11796/23

Matrix: Water

Analysis Batch: 11796

- 1	Analysis Daton. 11750								
		Spike	MRL	MRL				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Nitrate Nitrite as N	0.200	0.199	J	mg/L		100	50 - 150	

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-12027/1

Matrix: Water

Analysis Batch: 12027

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND	50	mg/L			09/11/24 12:24	1

Lab Sample ID: LCS 885-12027/2

Matrix: Water

Analysis Batch: 12027

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Total Dissolved Solids	1000	995		ma/L		99	80 - 120		_

Lab Sample ID: MB 885-12102/1

Matrix: Water

Analysis Batch: 12102

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			09/12/24 09:28	1

Lab Sample ID: LCS 885-12102/2

Matrix: Water

Analysis Batch: 12102

_	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	 1000	1020		mg/L		102	80 - 120	

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Client: EA Engineering Project/Site: Del Oro Dairy Job ID: 885-11275-1

Prep Batch: 12315

Client Sample ID: 692-06

Prep Type: Total/NA

RPD

Limit

20

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 885-11275-2 DU Client Sample ID: 692-06 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12102

	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		RPD	Limit
Total Dissolved Solids	1500		1530		mg/L			2	10

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-12315/3-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12499

MD MD

Result Qualifier

ND F1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		09/16/24 12:03	09/17/24 13:43	1

Lab Sample ID: LCS 885-12315/5-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12499							Prep Batch: 12315
	Spike	LCS LC	cs				%Rec
Analyte	Added	Result Q	ualifier	Unit	D	%Rec	Limits

10.0

Lab Sample ID: LLCS 885-12315/4-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

9.97

mg/L

100

%Rec

Limits

90 - 110

Matrix: Water

Nitrogen, Total Kjeldahl

Analysis Batch: 12499

Prep Batch: 12315 Spike LLCS LLCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 0.500 0.542 50 - 150 mg/L

Lab Sample ID: 885-11275-2 MS

Matrix: Water

Analysis Batch: 12613									Prep	Batch: 12315
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kieldahl	ND	F1	10.0	8.64	F1	ma/L		86	90 - 110	

Added

10.0

Lab Sample ID: 885-11275-2 MSD

Matrix: Water

Analyte

Analysis Batch: 12613

Nitrogen, Total Kjeldahl

SD					Client Sample ID: 692-06	
					Prep Type: Total/NA	
					Prep Batch: 12315	
Sample	Sample	Spike	MSD	MSD	%Rec RPD	

Unit

mg/L

Result Qualifier

8.89 F1

QC Association Summary

Client: EA Engineering

Job ID: 885-11275-1

Project/Site: Del Oro Dairy

HPLC/IC

Analysis Batch: 11795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11275-1	692-05	Total/NA	Water	300.0	
885-11275-1	692-05	Total/NA	Water	300.0	
885-11275-2	692-06	Total/NA	Water	300.0	
885-11275-2	692-06	Total/NA	Water	300.0	
885-11275-3	692-07	Total/NA	Water	300.0	
885-11275-3	692-07	Total/NA	Water	300.0	
MB 885-11795/4	Method Blank	Total/NA	Water	300.0	
MB 885-11795/78	Method Blank	Total/NA	Water	300.0	
LCS 885-11795/5	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-11795/79	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11795/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11275-1	692-05	Total/NA	Water	300.0	
885-11275-2	692-06	Total/NA	Water	300.0	
885-11275-3	692-07	Total/NA	Water	300.0	
MB 885-11796/24	Method Blank	Total/NA	Water	300.0	
MB 885-11796/78	Method Blank	Total/NA	Water	300.0	
LCS 885-11796/25	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-11796/79	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11796/23	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 12027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11275-1	692-05	Total/NA	Water	2540C	
MB 885-12027/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12027/2	Lab Control Sample	Total/NA	Water	2540C	

Analysis Batch: 12102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11275-2	692-06	Total/NA	Water	2540C	
885-11275-3	692-07	Total/NA	Water	2540C	
MB 885-12102/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12102/2	Lab Control Sample	Total/NA	Water	2540C	
885-11275-2 DU	692-06	Total/NA	Water	2540C	

Prep Batch: 12315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11275-1	692-05	Total/NA	Water	351.2	
885-11275-2	692-06	Total/NA	Water	351.2	
885-11275-3	692-07	Total/NA	Water	351.2	
MB 885-12315/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-12315/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-12315/4-A	Lab Control Sample	Total/NA	Water	351.2	
885-11275-2 MS	692-06	Total/NA	Water	351.2	
885-11275-2 MSD	692-06	Total/NA	Water	351.2	

Eurofins Albuquerque

10/2/2024

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QC Association Summary

Client: EA Engineering Job ID: 885-11275-1

Project/Site: Del Oro Dairy

General Chemistry

Analysis Batch: 12499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-12315/3-A	Method Blank	Total/NA	Water	351.2	12315
LCS 885-12315/5-A	Lab Control Sample	Total/NA	Water	351.2	12315
LLCS 885-12315/4-A	Lab Control Sample	Total/NA	Water	351.2	12315

Analysis Batch: 12613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11275-1	692-05	Total/NA	Water	351.2	12315
885-11275-2	692-06	Total/NA	Water	351.2	12315
885-11275-3	692-07	Total/NA	Water	351.2	12315
885-11275-2 MS	692-06	Total/NA	Water	351.2	12315
885-11275-2 MSD	692-06	Total/NA	Water	351.2	12315

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Lab Chronicle

Client: EA Engineering Job ID: 885-11275-1

Project/Site: Del Oro Dairy

Client Sample ID: 692-05

Date Collected: 09/05/24 11:10 Date Received: 09/06/24 08:50 Lab Sample ID: 885-11275-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11795	JT	EET ALB	09/06/24 16:41
Total/NA	Analysis	300.0		10	11796	JT	EET ALB	09/06/24 16:41
Total/NA	Analysis	300.0		100	11795	JT	EET ALB	09/06/24 16:53
Total/NA	Analysis	2540C		1	12027	ES	EET ALB	09/11/24 12:24
Total/NA	Prep	351.2			12315	HR	EET ALB	09/16/24 12:03
Total/NA	Analysis	351.2		1	12613	HR	EET ALB	09/19/24 16:57

Client Sample ID: 692-06

Date Collected: 09/05/24 13:36

Date Received: 09/06/24 08:50

Lab Sample ID: 885-11275-2

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11795	JT	EET ALB	09/06/24 17:06
Total/NA	Analysis	300.0		10	11796	JT	EET ALB	09/06/24 17:06
Total/NA	Analysis	300.0		100	11795	JT	EET ALB	09/06/24 17:18
Total/NA	Analysis	2540C		1	12102	ES	EET ALB	09/12/24 09:28
Total/NA	Prep	351.2			12315	HR	EET ALB	09/16/24 12:03
Total/NA	Analysis	351.2		1	12613	HR	EET ALB	09/19/24 16:59

Client Sample ID: 692-07
Date Collected: 09/05/24 15:05

Date Received: 09/06/24 08:50

Lab Sample ID: 885-11275-3

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11795	JT	EET ALB	09/06/24 17:55
Total/NA	Analysis	300.0		10	11796	JT	EET ALB	09/06/24 17:55
Total/NA	Analysis	300.0		100	11795	JT	EET ALB	09/06/24 18:07
Total/NA	Analysis	2540C		1	12102	ES	EET ALB	09/12/24 09:28
Total/NA	Prep	351.2			12315	HR	EET ALB	09/16/24 12:03
Total/NA	Analysis	351.2		1	12613	HR	EET ALB	09/19/24 17:03

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-11275-1 Project/Site: Del Oro Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date				
New Mexico	State		NM9425, NM0901	02-26-25				
• •	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	st may include analytes				
Analysis Method	Prep Method	Matrix	Analyte					
2540C		Water	Total Dissolved Solids					
300.0		Water	Chloride					
300.0		Water	Nitrate Nitrite as N					
300.0		Water	Sulfate Nitrogen, Total Kjeldahl					
351.2	351.2	Water						
Oregon	NELA	Р	NM100001	02-26-25				
The following analytes	are included in this report, bu	ut the laboratory is not certi	fied by the governing authority. This lis	st may include analytes				
for which the agency de	oes not offer certification.							
Analysis Method	Prep Method	Matrix	Analyte					
351.2	351.2	Water	Nitrogen, Total Kieldahl	Nitrogen, Total Kjeldahl				

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11275-1

Login Number: 11275 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

Generated 9/24/2024 1:16:12 PM

JOB DESCRIPTION

Del Oro Dairy

JOB NUMBER

885-11328-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/24/2024 1:16:12 PM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975 2

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Client: EA Engineering Project/Site: Del Oro Dairy Laboratory Job ID: 885-11328-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-11328-1

Project/Site: Del Oro Dairy

Qualifiers

HPLC/IC

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

E Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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J

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Case Narrative

Client: EA Engineering Project: Del Oro Dairy

Job ID: 885-11328-1 Eurofins Albuquerque

Job Narrative 885-11328-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/7/2024 10:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 2540C_SingleDry: The analysis volume selected for the following samples produced a base result greater than 200mg before calculation of the final result: EW-02 (885-11328-1), EW-01 (885-11328-2) and (885-11328-A-1 DU). Reanalysis could not be performed due to holding time exceedance. Visual inspection by analyst, no signs of trapped moisture. The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. As such, these data have been qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 885-11328-1

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Client: EA Engineering Job ID: 885-11328-1

Project/Site: Del Oro Dairy

Client Sample ID: EW-02

Lab Sample ID: 885-11328-1

Date Collected: 09/06/24 10:20 Matrix: Water Date Received: 09/07/24 10:11

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	730		50	mg/L			09/09/24 15:21	100
Sulfate	420		50	mg/L			09/09/24 15:21	100
Nitrate Nitrite as N	130		4.0	mg/L			09/14/24 18:11	20
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3000	E	50	mg/L			09/12/24 15:21	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/16/24 12:03	09/17/24 14:07	1

Client: EA Engineering Job ID: 885-11328-1

Project/Site: Del Oro Dairy

Client Sample ID: EW-01

Lab Sample ID: 885-11328-2 Date Collected: 09/06/24 12:12 Matrix: Water

Date Received: 09/07/24 10:11

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		50	mg/L			09/09/24 15:45	100
Sulfate	580		50	mg/L			09/09/24 15:45	100
Nitrate Nitrite as N	130		4.0	mg/L			09/14/24 18:23	20
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4000	E	50	mg/L			09/12/24 15:21	1
Nitrogen, Total Kieldahl (EPA 351.2)	ND		0.50	mg/L		09/16/24 12:03	09/17/24 14:20	1

Client: EA Engineering Job ID: 885-11328-1

Project/Site: Del Oro Dairy

Client Sample ID: 692-10 Lab Sample ID: 885-11328-3

Matrix: Water

Date Collected: 09/06/24 13:14 Date Received: 09/07/24 10:11

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	630		50	mg/L			09/09/24 19:27	100
Sulfate	190		5.0	mg/L			09/09/24 19:15	10
Nitrate Nitrite as N	ND		1.0	mg/L			09/09/24 18:13	5
- General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1700		500	mg/L			09/12/24 15:21	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/16/24 12:03	09/17/24 14:10	1

Client: EA Engineering Job ID: 885-11328-1

Project/Site: Del Oro Dairy

Client Sample ID: 692-08 Lab Sample ID: 885-11328-4

Date Collected: 09/06/24 15:49 Matrix: Water

Date Received: 09/07/24 10:11

Method: EPA 300.0 - Anions, Ion Cl	ıromatograp	ony						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		50	mg/L			09/09/24 19:52	100
Sulfate	180		5.0	mg/L			09/09/24 19:40	10
Nitrate Nitrite as N	1.7		1.0	mg/L			09/09/24 18:26	5
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		50	mg/L			09/12/24 15:21	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/16/24 12:03	09/17/24 13:50	1

9/24/2024

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Job ID: 885-11328-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11913/14 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11913

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			09/09/24 07:49	1
Sulfate	ND		0.50	mg/L			09/09/24 07:49	1

Lab Sample ID: LCS 885-11913/15 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11913

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.00	4.79		mg/L		96	90 - 110	
Sulfate	10.0	9.30		mg/L		93	90 - 110	

Lab Sample ID: MRL 885-11913/13 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11913

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	0.500	0.518		mg/L		104	50 - 150	
Sulfate	0.500	0.496	J	mg/L		99	50 - 150	

Lab Sample ID: MB 885-11915/14 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11915

MB MB

Analyte	Result	Qualifier	RL	Uni	t D)	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg	L			09/09/24 07:49	1

Lab Sample ID: LCS 885-11915/15 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11915

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate	 2.50	2.49		mg/L		100	90 - 110		
Nitrite	1.00	0.953		ma/L		95	90 - 110		

Lab Sample ID: MRL 885-11915/13 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11915

	Spike	MRL	MRL				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate	0.100	0.0921	J	mg/L		92	50 - 150	 	•
Nitrite	0.0999	0.0982	J	mg/L		98	50 - 150		

Lab Sample ID: MB 885-12286/12 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 12286

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND	-	0.20	ma/L			09/14/24 08:18	1

Eurofins Albuquerque

Prep Type: Total/NA

Client: EA Engineering Project/Site: Del Oro Dairy Job ID: 885-11328-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-12286/13

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Analysis Batch: 12286

Spike LCS LCS %Rec Analyte babbA Result Qualifier %Rec Limits Unit Nitrate 2.50 2.50 mg/L 100 90 - 110 Nitrite 1.00 0.939 mg/L 94 90 - 110

Lab Sample ID: MRL 885-12286/11 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Matrix: Water

Analysis Batch: 12286

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	0.100	0.0961	J	mg/L		96	50 - 150	
Nitrite	0.0999	0.103		mg/L		103	50 - 150	

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-12149/1 Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12149

мв мв

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND	50	mg/L			09/12/24 15:21	1

Lab Sample ID: LCS 885-12149/2 **Client Sample ID: Lab Control Sample Matrix: Water**

Prep Type: Total/NA

Analysis Batch: 12149

-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	 1000	1000		ma/L		100	80 - 120	

Lab Sample ID: 885-11328-1 DU **Client Sample ID: EW-02** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12149

	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	3000	E	2980	E	mg/L		1	10

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-12315/3-A Client Sample ID: Method Blank **Matrix: Water**

Analysis Batch: 12499

Prep Type: Total/NA Prep Batch: 12315

мв мв Dil Fac Analyte Result Qualifier Unit Prepared Analyzed 0.50 09/16/24 12:03 09/17/24 13:43 Nitrogen, Total Kjeldahl ND mg/L

Lab Sample ID: LCS 885-12315/5-A **Client Sample ID: Lab Control Sample**

Matrix: Water

Prep Type: Total/NA **Analysis Batch: 12499** Prep Batch: 12315 Spike LCS LCS %Rec

Added Result Qualifier Unit %Rec Limits 10.0 100 9.97 90 - 110 Nitrogen, Total Kjeldahl mg/L

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QC Sample Results

Client: EA Engineering Job ID: 885-11328-1

Project/Site: Del Oro Dairy

Nitrogen, Total Kjeldahl

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

ND

Lab Sample ID: LLCS 885-12315/4-A	Client Sample ID: Lab Control Sample
Matrix: Water	Pron Type: Total/NA

Matrix: Water Analysis Batch: 12499 Prep Batch: 12315 Spike LLCS LLCS Added Result Qualifier Limits Analyte Unit %Rec

Nitrogen, Total Kjeldahl	0.500	0.542	mg/L	108	50 - 150
Lab Sample ID: 885-11328-4 MS					Client Sample ID: 692-08
Bandadan Saladan					Dunin Times Tetal/NIA

Matrix: Water Prep Type: Total/NA **Analysis Batch: 12499** Prep Batch: 12315 Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits

Nitrogen, Total Kjeldahl	ND		10.0	10.4		mg/L		104	90 - 110		
Lab Sample ID: 885-11328-4 MSD Matrix: Water								(Client Samp Prep Ty		
Analysis Batch: 12499									Prep E	3atch: 1	2315
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit

10.4

mg/L

104

90 - 110

10.0

QC Association Summary

Client: EA Engineering Job ID: 885-11328-1

Project/Site: Del Oro Dairy

HPLC/IC

Analysis Batch: 11913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11328-1	EW-02	Total/NA	Water	300.0	
885-11328-2	EW-01	Total/NA	Water	300.0	
885-11328-3	692-10	Total/NA	Water	300.0	
885-11328-3	692-10	Total/NA	Water	300.0	
885-11328-4	692-08	Total/NA	Water	300.0	
885-11328-4	692-08	Total/NA	Water	300.0	
MB 885-11913/14	Method Blank	Total/NA	Water	300.0	
LCS 885-11913/15	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11913/13	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11328-3	692-10	Total/NA	Water	300.0	
885-11328-4	692-08	Total/NA	Water	300.0	
MB 885-11915/14	Method Blank	Total/NA	Water	300.0	
LCS 885-11915/15	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11915/13	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 12286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
885-11328-1	EW-02	Total/NA	Water	300.0	
885-11328-2	EW-01	Total/NA	Water	300.0	
MB 885-12286/12	Method Blank	Total/NA	Water	300.0	
LCS 885-12286/13	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12286/11	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 12149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11328-1	EW-02	Total/NA	Water	2540C	<u> </u>
885-11328-2	EW-01	Total/NA	Water	2540C	
885-11328-3	692-10	Total/NA	Water	2540C	
885-11328-4	692-08	Total/NA	Water	2540C	
MB 885-12149/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12149/2	Lab Control Sample	Total/NA	Water	2540C	
885-11328-1 DU	EW-02	Total/NA	Water	2540C	

Prep Batch: 12315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-11328-1	EW-02	Total/NA	Water	351.2	
885-11328-2	EW-01	Total/NA	Water	351.2	
885-11328-3	692-10	Total/NA	Water	351.2	
885-11328-4	692-08	Total/NA	Water	351.2	
MB 885-12315/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-12315/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-12315/4-A	Lab Control Sample	Total/NA	Water	351.2	
885-11328-4 MS	692-08	Total/NA	Water	351.2	
885-11328-4 MSD	692-08	Total/NA	Water	351.2	

Eurofins Albuquerque

9/24/2024

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QC Association Summary

Client: EA Engineering Job ID: 885-11328-1 Project/Site: Del Oro Dairy

General Chemistry

Analysis Batch: 12499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11328-1	EW-02	Total/NA	Water	351.2	12315
885-11328-2	EW-01	Total/NA	Water	351.2	12315
885-11328-3	692-10	Total/NA	Water	351.2	12315
885-11328-4	692-08	Total/NA	Water	351.2	12315
MB 885-12315/3-A	Method Blank	Total/NA	Water	351.2	12315
LCS 885-12315/5-A	Lab Control Sample	Total/NA	Water	351.2	12315
LLCS 885-12315/4-A	Lab Control Sample	Total/NA	Water	351.2	12315
885-11328-4 MS	692-08	Total/NA	Water	351.2	12315
885-11328-4 MSD	692-08	Total/NA	Water	351.2	12315

Client: EA Engineering Project/Site: Del Oro Dairy

Lab Sample ID: 885-11328-1

Client Sample ID: EW-02 Date Collected: 09/06/24 10:20 Date Received: 09/07/24 10:11

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** Lab or Analyzed 300.0 09/09/24 15:21 Total/NA Analysis 100 11913 RC EET ALB Total/NA Analysis 300.0 20 12286 JT **EET ALB** 09/14/24 18:11 Total/NA 2540C 12149 KS **EET ALB** 09/12/24 15:21 Analysis 1 Total/NA Prep 351.2 12315 HR **EET ALB** 09/16/24 12:03 351.2 12499 DL **EET ALB** 09/17/24 14:07 Total/NA Analysis 1

Lab Sample ID: 885-11328-2

Matrix: Water

Date Collected: 09/06/24 12:12 Date Received: 09/07/24 10:11

Client Sample ID: EW-01

Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** or Analyzed Lab 300.0 11913 RC 09/09/24 15:45 Total/NA Analysis 100 **EET ALB** Total/NA Analysis 300.0 20 12286 JT **EET ALB** 09/14/24 18:23 Total/NA Analysis 2540C 12149 KS **EET ALB** 09/12/24 15:21 Total/NA Prep 351.2 12315 HR **EET ALB** 09/16/24 12:03 Total/NA Analysis 351.2 12499 DL **EET ALB** 09/17/24 14:20

Client Sample ID: 692-10 Lab Sample ID: 885-11328-3

Matrix: Water

Date Collected: 09/06/24 13:14 Date Received: 09/07/24 10:11

Date Received: 09/07/24 10:11

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		5	11915	RC	EET ALB	09/09/24 18:13
Total/NA	Analysis	300.0		10	11913	RC	EET ALB	09/09/24 19:15
Total/NA	Analysis	300.0		100	11913	RC	EET ALB	09/09/24 19:27
Total/NA	Analysis	2540C		1	12149	KS	EET ALB	09/12/24 15:21
Total/NA	Prep	351.2			12315	HR	EET ALB	09/16/24 12:03
Total/NA	Analysis	351.2		1	12499	DL	EET ALB	09/17/24 14:10

Client Sample ID: 692-08 Date Collected: 09/06/24 15:49 Lab Sample ID: 885-11328-4 **Matrix: Water**

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		5	11915	RC	EET ALB	09/09/24 18:26
Total/NA	Analysis	300.0		10	11913	RC	EET ALB	09/09/24 19:40
Total/NA	Analysis	300.0		100	11913	RC	EET ALB	09/09/24 19:52
Total/NA	Analysis	2540C		1	12149	KS	EET ALB	09/12/24 15:21
Total/NA	Prep	351.2			12315	HR	EET ALB	09/16/24 12:03
Total/NA	Analysis	351.2		1	12499	DL	EET ALB	09/17/24 13:50

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

9/24/2024

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-11328-1 Project/Site: Del Oro Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date		
New Mexico	State		NM9425, NM0901	02-26-25		
The following analytes	are included in this report, bu	ut the laboratory is not certi	fied by the governing authority. This lis	st may include analytes		
for which the agency de	oes not offer certification.					
Analysis Method	Prep Method	Matrix	Analyte			
2540C		Water	Total Dissolved Solids			
300.0		Water	Chloride			
300.0		Water	Nitrate Nitrite as N			
300.0		Water	Sulfate			
351.2	351.2	Water	Nitrogen, Total Kjeldahl			
Oregon	NELA	P	NM100001	02-26-25		
The following analytes	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	st may include analytes		
for which the agency d	oes not offer certification.					
Analysis Method	Prep Method	Matrix	Analyte			
351.2	351.2	Water	Nitrogen, Total Kjeldahl			

Turn-Around Time:

9/24/2024

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11328-1

Login Number: 11328 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 9/27/2024 9:16:10 AM Revision 2

ANALYTICAL REPORT

JOB DESCRIPTION

Dominguez Dairy

JOB NUMBER

885-10637-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Cellan McN-B-

Generated 9/27/2024 9:16:10 AM Revision 2

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975 2

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Client: EA Engineering Project/Site: Dominguez Dairy Laboratory Job ID: 885-10637-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10637-1

Project/Site: Dominguez Dairy

Qualifiers

HPLC/IC

Qualifier Qualifier Description

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: EA Engineering Job ID: 885-10637-1 Project: Dominguez Dairy

Job ID: 885-10637-1 **Eurofins Albuquerque**

> Job Narrative 885-10637-1

REVISION

The report being provided is a revision of the original report sent on 9/18/2024. The report (revision 2) is being revised due to Client wrote the incorrect project and sample names..

Report revision history

Revision 1 - 9/23/2024 - Reason - Client wrote the incorrect project name...

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

The samples were received on 8/27/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

HPLC/IC

Method 300 OF 48H PREC: The following samples were diluted due to the nature of the sample matrix: 624-09 (885-10637-1) and 624-10 (885-10637-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client: EA Engineering Job ID: 885-10637-1

Project/Site: Dominguez Dairy

Client Sample ID: 624-09 Lab Sample ID: 885-10637-1

Date Collected: 08/26/24 10:50 Matrix: Water

Date Received: 08/27/24 10:00

Nitrogen, Total Kjeldahl (EPA

351.2)

Method: EPA 300.0 - Anions, Ion	Chromat	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		50	mg/L			08/27/24 20:01	100
Nitrate	1.7		1.0	mg/L			08/27/24 19:49	10
Nitrite	ND		1.0	mg/L			08/27/24 19:49	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1800		500	mg/L			08/29/24 15:56	1

0.50

1.2

mg/L

08/29/24 14:31 08/30/24 13:14

9

Client: EA Engineering Job ID: 885-10637-1

Project/Site: Dominguez Dairy

Client Sample ID: 624-10 Lab Sample ID: 885-10637-2

Date Collected: 08/26/24 12:20 **Matrix: Water** Date Received: 08/27/24 10:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	580		50	mg/L			08/27/24 20:26	100
Nitrate	2.5		1.0	mg/L			08/27/24 20:14	10
Nitrite	ND		1.0	mg/L			08/27/24 20:14	10
- General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3100		500	mg/L			08/29/24 15:56	1
Nitrogen, Total Kjeldahl (EPA 351.2)	0.83		0.50	mg/L		08/29/24 14:31	08/30/24 13:20	1

Job ID: 885-10637-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client: EA Engineering

Project/Site: Dominguez Dairy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11156/11

Matrix: Water

Analysis Batch: 11156

MB MB

Result Qualifier RL Unit Dil Fac Analyte D Prepared Analyzed 0.50 Chloride ND mg/L 08/27/24 08:34

Lab Sample ID: LCS 885-11156/12

Matrix: Water

Analysis Batch: 11156

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Analyte Unit 5.00 90 - 110 Chloride 4.79 mg/L 96

Lab Sample ID: MRL 885-11156/10

Matrix: Water

Analysis Batch: 11156

Spike MRL MRL %Rec Added Limits Analyte Result Qualifier Unit %Rec Chloride 0.500 0.530 106 50 - 150 mg/L

Lab Sample ID: MB 885-11157/11

Matrix: Water

Analysis Batch: 11157

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac $\overline{\mathsf{ND}}$ 0.10 Nitrate mg/L 08/27/24 08:34 Nitrite ND 0.10 08/27/24 08:34 mg/L

Lab Sample ID: LCS 885-11157/12

Matrix: Water

Analysis Batch: 11157

Spike LCS LCS %Rec **Analyte** Added Result Qualifier Limits Unit %Rec Nitrate 2.50 2.53 mg/L 101 90 - 110 Nitrite 1.00 0.941 90 - 110 mg/L 94

Lab Sample ID: MRL 885-11157/10

Matrix: Water

Analysis Batch: 11157

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate 0.100 0.0955 J 95 50 - 150 mg/L Nitrite 0.0999 0.0988 J 99 50 - 150 mg/L

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11366/1

Matrix: Water

Analysis Batch: 11366

MB MB Analyte Result Qualifier RL Unit Analyzed Dil Fac Prepared Total Dissolved Solids ND 50 mg/L 08/29/24 15:56

Eurofins Albuquerque

Prep Type: Total/NA

QC Sample Results

Client: EA Engineering Job ID: 885-10637-1

Project/Site: Dominguez Dairy

Lab Sample ID: LCS 885-11366/2

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water Analysis Batch: 11366

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits Analyte **Total Dissolved Solids** 1000 1020 mg/L 102 80 - 120

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11351/3-A **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11472 MB MB

Result Qualifier RL Unit **Prepared** Analyzed Dil Fac Nitrogen, Total Kjeldahl 0.50 08/29/24 14:31 08/30/24 12:50 ND mg/L

Lab Sample ID: LCS 885-11351/5-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11472

Spike LCS LCS %Rec Analyte Added Result Qualifier Limits Unit %Rec Nitrogen, Total Kjeldahl 10.0 9.97 mg/L 100 90 - 110

Lab Sample ID: LLCS 885-11351/4-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11472

Prep Batch: 11351 LLCS LLCS Spike %Rec

Added Result Qualifier Limits Analyte Unit D %Rec Nitrogen, Total Kjeldahl 0.500 ND mg/L 93 50 - 150

Eurofins Albuquerque

Prep Batch: 11351

Prep Batch: 11351

QC Association Summary

Client: EA Engineering Job ID: 885-10637-1 Project/Site: Dominguez Dairy

HPLC/IC

Analysis Batch: 11156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10637-1	624-09	Total/NA	Water	300.0	
885-10637-2	624-10	Total/NA	Water	300.0	
MB 885-11156/11	Method Blank	Total/NA	Water	300.0	
LCS 885-11156/12	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11156/10	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10637-1	624-09	Total/NA	Water	300.0	<u> </u>
885-10637-2	624-10	Total/NA	Water	300.0	
MB 885-11157/11	Method Blank	Total/NA	Water	300.0	
LCS 885-11157/12	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11157/10	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Prep Batch: 11351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10637-1	624-09	Total/NA	Water	351.2	<u> </u>
885-10637-2	624-10	Total/NA	Water	351.2	
MB 885-11351/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11351/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11351/4-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 11366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10637-1	624-09	Total/NA	Water	2540C	
885-10637-2	624-10	Total/NA	Water	2540C	
MB 885-11366/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11366/2	Lab Control Sample	Total/NA	Water	2540C	

Analysis Batch: 11472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10637-1	624-09	Total/NA	Water	351.2	11351
885-10637-2	624-10	Total/NA	Water	351.2	11351
MB 885-11351/3-A	Method Blank	Total/NA	Water	351.2	11351
LCS 885-11351/5-A	Lab Control Sample	Total/NA	Water	351.2	11351
LLCS 885-11351/4-A	Lab Control Sample	Total/NA	Water	351.2	11351

Lab Chronicle

Client: EA Engineering Job ID: 885-10637-1

Project/Site: Dominguez Dairy

Client Sample ID: 624-09 Lab Sample ID: 885-10637-1 Date Collected: 08/26/24 10:50

Matrix: Water

Date Received: 08/27/24 10:00

	Batch	Batch Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11157	RC	EET ALB	08/27/24 19:49
Total/NA	Analysis	300.0		100	11156	RC	EET ALB	08/27/24 20:01
Total/NA	Analysis	2540C		1	11366	ES	EET ALB	08/29/24 15:56
Total/NA	Prep	351.2			11351	DL	EET ALB	08/29/24 14:31
Total/NA	Analysis	351.2		1	11472	MA	EET ALB	08/30/24 13:14

Client Sample ID: 624-10 Lab Sample ID: 885-10637-2

Date Collected: 08/26/24 12:20 **Matrix: Water**

Date Received: 08/27/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11157	RC	EET ALB	08/27/24 20:14
Total/NA	Analysis	300.0		100	11156	RC	EET ALB	08/27/24 20:26
Total/NA	Analysis	2540C		1	11366	ES	EET ALB	08/29/24 15:56
Total/NA	Prep	351.2			11351	DL	EET ALB	08/29/24 14:31
Total/NA	Analysis	351.2		1	11472	MA	EET ALB	08/30/24 13:20

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-10637-1

Project/Site: Dominguez Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date					
New Mexico	State		NM9425, NM0901	02-26-25					
,	s are included in this repo does not offer certification	•	not certified by the governing authori	ity. This list may include analytes					
Analysis Method	Prep Method	Matrix	Analyte						
2540C		Water	Total Dissolved Solids						
300.0		Water	Chloride						
300.0		Water	Nitrate						
300.0		Water	Nitrite						
351.2	351.2	Water	Nitrogen, Total Kjeldahl						
regon	NELA	Р	NM100001	02-26-25					
The following analyte:	s are included in this repo	ort, but the laboratory is r	not certified by the governing authori	ity. This list may include analytes					
for which the agency	does not offer certificatior	١.							
Analysis Method	Prep Method	Matrix	Analyte						
351.2	351.2	Water	Nitrogen, Total Kieldahl						

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	ANALYSIS LABOR/ HILL	वाट्नाट्स	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107 885-10637 COC	Anal	300		a	00 C WO	A 30	6 EP	Nitrate/ Chlorid TDS SI Sulfate Sulfate	×	XXXX					Remarks: 30 Sample names & Project name Change		
Turn-Around Time:	G Standard □ Rush	glestern	Dominguez Dairy T Del Oro Darto			Project Manager:	Gina Mullen		Sampler: Angel N. Rivera	olers:	Cooler Temp(including CF): 4 **	Container Preservative HEAL No.		2					Received by: Via: Date Time XXX UPS 8/24/24 /0.00	Received by: Via: Date Time	
Chain-of-Custody Record		EA Engineering, Science, and Technology	1		505-715-4279	rmullen@eaest.com		☐ Level 4 (Full Validation)	☐ Az Compliance			Matrix Sample Name	8	\vdash					Relinquished by:	Refinquished by:	*
Chain-c	Client:	EA Engineering, S	Mailing Address:	320 Gold Ave SW Suite	Phone #: 5	email or Fax#:	QA/QC Package:	□ Standard		□ EDD (Type)		Date Time	B26 10:50	8-26 12:20					Date: Time: R β -2 b b : 5	Time:	

Client: EA Engineering

Job Number: 885-10637-1

Login Number: 10637 List Source: Eurofins Albuquerque

List Number: 1

Creator: Dominguez, Desiree

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

Eurofins Albuquerque

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

Generated 9/19/2024 8:11:17 AM

JOB DESCRIPTION

Dominguez Dairy 1

JOB NUMBER

885-10830-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/19/2024 8:11:17 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975 2

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Client: EA Engineering
Project/Site: Dominguez Dairy 1

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Laboratory Job ID: 885-10830-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10830-1

Project/Site: Dominguez Dairy 1

Qualifiers

HPLC/IC

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

DLC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

EDL Estimated Detection Limit (Dioxin)
LOD Limit of Detection (DoD/DOE)
LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Decision Level Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: EA Engineering Project: Dominguez Dairy 1

Job ID: 885-10830-1 Eurofins Albuquerque

Job Narrative 885-10830-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/29/2024 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 885-10830-1

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Client: EA Engineering Job ID: 885-10830-1

Project/Site: Dominguez Dairy 1

Client Sample ID: 624-11

Lab Sample ID: 885-10830-1

Matrix: Water

Date Collected: 08/28/24 09:42 Date Received: 08/29/24 08:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		50	mg/L			08/29/24 16:52	100
Nitrate	7.3		1.0	mg/L			08/29/24 16:40	10
Nitrite	ND		1.0	mg/L			08/29/24 16:40	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4100		500	mg/L			09/03/24 10:36	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/09/24 11:46	09/11/24 13:33	1

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Client: EA Engineering Job ID: 885-10830-1

Project/Site: Dominguez Dairy 1

Client Sample ID: 624-01

Lab Sample ID: 885-10830-2

Date Collected: 08/28/24 11:25 Matrix: Water Date Received: 08/29/24 08:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		50	mg/L			08/29/24 17:17	100
Nitrate	24		1.0	mg/L			08/29/24 17:04	10
Nitrite	ND		1.0	mg/L			08/29/24 17:04	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700		500	mg/L			09/03/24 10:36	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/09/24 11:46	09/11/24 13:37	1

Client: EA Engineering Job ID: 885-10830-1

Project/Site: Dominguez Dairy 1

Client Sample ID: 624-02

Lab Sample ID: 885-10830-3

09/11/24 13:39

09/09/24 11:46

Matrix: Water

Date Collected: 08/28/24 13:28 Date Received: 08/29/24 08:30

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anions, Ion 0	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	670		50	mg/L			08/29/24 17:41	100
Nitrate	6.5		1.0	mg/L			08/29/24 17:29	10
Nitrite	ND		1.0	mg/L			08/29/24 17:29	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700		500	mg/L			09/03/24 10:36	1

0.50

mg/L

ND

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4.0

Job ID: 885-10830-1

Client: EA Engineering

Project/Site: Dominguez Dairy 1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11395/4

Matrix: Water

Analysis Batch: 11395

Client Sample ID: Method Blank Prep Type: Total/NA

MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 08/29/24 08:50

Lab Sample ID: LCS 885-11395/8

Matrix: Water

Analysis Batch: 11395

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.00	4.67		mg/L	_	93	90 - 110	

Lab Sample ID: MRL 885-11395/3

Matrix: Water

Analysis Batch: 11395

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 0.500	0.517		mg/L		103	50 - 150	

Lab Sample ID: MB 885-11396/17

Matrix: Water

Analysis Batch: 11396

мв мв

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND	0.10	mg/L			08/29/24 08:50	1
Nitrite	ND	0.10	mg/L			08/29/24 08:50	1

Lab Sample ID: LCS 885-11396/21

Matrix: Water

Analysis Batch: 11396

, ,	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	 2.50	2.49		mg/L		99	90 - 110	
Nitrite	1.00	0.922		ma/L		92	90 - 110	

Lab Sample ID: MRL 885-11396/16

Matrix: Water

Analysis Batch: 11396

Analysis Baton. 11000									
	Spike	MRL	MRL				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate	0.100	0.0966	J	mg/L		97	50 - 150		-
Nitrite	0.0999	0.104		mg/L		104	50 - 150		

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11506/1

Matrix: Water

Analysis Batch: 11506

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			09/03/24 10:36	1

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9/19/2024

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Client Sample ID: Lab Control Sample Prep Type: Total/NA

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

Client: EA Engineering Job ID: 885-10830-1

Project/Site: Dominguez Dairy 1

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 885-11506/2 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 11506

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Total Dissolved Solids 1000 1020 mg/L 102 80 - 120

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11851/3-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 12273

Prep Batch: 11851 MB MB

Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.50 09/11/24 13:19 Nitrogen, Total Kjeldahl ND 09/09/24 11:46 mg/L

Lab Sample ID: LCS 885-11851/5-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12273

Prep Batch: 11851 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Nitrogen, Total Kjeldahl 10.0 9.98 mg/L 100

Lab Sample ID: LLCS 885-11851/4-A **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 12273

Spike LLCS LLCS %Rec Added Result Qualifier Unit %Rec Limits

Analyte Nitrogen, Total Kjeldahl 0.500 ND 50 - 150 mg/L

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 11851

QC Association Summary

Client: EA Engineering Job ID: 885-10830-1

Project/Site: Dominguez Dairy 1

HPLC/IC

Analysis Batch: 11395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10830-1	624-11	Total/NA	Water	300.0	
885-10830-2	624-01	Total/NA	Water	300.0	
885-10830-3	624-02	Total/NA	Water	300.0	
MB 885-11395/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11395/8	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11395/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10830-1	624-11	Total/NA	Water	300.0	
885-10830-2	624-01	Total/NA	Water	300.0	
885-10830-3	624-02	Total/NA	Water	300.0	
MB 885-11396/17	Method Blank	Total/NA	Water	300.0	
LCS 885-11396/21	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11396/16	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 11506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10830-1	624-11	Total/NA	Water	2540C	
885-10830-2	624-01	Total/NA	Water	2540C	
885-10830-3	624-02	Total/NA	Water	2540C	
MB 885-11506/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11506/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 11851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10830-1	624-11	Total/NA	Water	351.2	
885-10830-2	624-01	Total/NA	Water	351.2	
885-10830-3	624-02	Total/NA	Water	351.2	
MB 885-11851/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11851/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11851/4-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 12273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10830-1	624-11	Total/NA	Water	351.2	11851
885-10830-2	624-01	Total/NA	Water	351.2	11851
885-10830-3	624-02	Total/NA	Water	351.2	11851
MB 885-11851/3-A	Method Blank	Total/NA	Water	351.2	11851
LCS 885-11851/5-A	Lab Control Sample	Total/NA	Water	351.2	11851
LLCS 885-11851/4-A	Lab Control Sample	Total/NA	Water	351.2	11851

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Lab Chronicle

Client: EA Engineering Job ID: 885-10830-1

Project/Site: Dominguez Dairy 1

Client Sample ID: 624-11

Lab Sample ID: 885-10830-1

Matrix: Water

Date Collected: 08/28/24 09:42 Date Received: 08/29/24 08:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11396	RC	EET ALB	08/29/24 16:40
Total/NA	Analysis	300.0		100	11395	RC	EET ALB	08/29/24 16:52
Total/NA	Analysis	2540C		1	11506	ES	EET ALB	09/03/24 10:36
Total/NA	Prep	351.2			11851	DL	EET ALB	09/09/24 11:46
Total/NA	Analysis	351.2		1	12273	DL	EET ALB	09/11/24 13:33

Lab Sample ID: 885-10830-2

Matrix: Water

Date Collected: 08/28/24 11:25 Date Received: 08/29/24 08:30

Date Received: 08/29/24 08:30

Client Sample ID: 624-01

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11396	RC	EET ALB	08/29/24 17:04
Total/NA	Analysis	300.0		100	11395	RC	EET ALB	08/29/24 17:17
Total/NA	Analysis	2540C		1	11506	ES	EET ALB	09/03/24 10:36
Total/NA	Prep	351.2			11851	DL	EET ALB	09/09/24 11:46
Total/NA	Analysis	351.2		1	12273	DL	EET ALB	09/11/24 13:37

Client Sample ID: 624-02 Lab Sample ID: 885-10830-3 Date Collected: 08/28/24 13:28

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11396	RC	EET ALB	08/29/24 17:29
Total/NA	Analysis	300.0		100	11395	RC	EET ALB	08/29/24 17:41
Total/NA	Analysis	2540C		1	11506	ES	EET ALB	09/03/24 10:36
Total/NA	Prep	351.2			11851	DL	EET ALB	09/09/24 11:46
Total/NA	Analysis	351.2		1	12273	DL	EET ALB	09/11/24 13:39

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-10830-1

Project/Site: Dominguez Dairy 1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
0 ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	st may include analyt
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELA	P	NM100001	02-26-25
• •	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	st may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-10830-1

Login Number: 10830 List Source: Eurofins Albuquerque

List Number: 1

Creator: Proctor, Nancy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 9/6/2024 4:06:47 PM

JOB DESCRIPTION

Dominguez Dairy 2

JOB NUMBER

885-10402-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/6/2024 4:06:47 PM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Project/Site: Dominguez Dairy 2 Laboratory Job ID: 885-10402-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10402-1

Project/Site: Dominguez Dairy 2

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

Detection Limit (DoD/DOE)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

Not Calculated NC

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent Positive / Present POS

PQL **Practical Quantitation Limit**

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ**

Too Numerous To Count TNTC

Case Narrative

Client: EA Engineering Project: Dominguez Dairy 2

Job ID: 885-10402-1 **Eurofins Albuquerque**

Job Narrative 885-10402-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/22/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 2540C_SingleDry: The analysis volume selected for the following sample(s) produced a base result greater than 200mg before calculation of the final result. Reanalysis could not be performed due to holding time exceedance. The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. Analyst visually inspected dried sample. No signs of trapped moisture, report as is. As such, these data have been qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 885-10402-1

Client: EA Engineering Job ID: 885-10402-1

Project/Site: Dominguez Dairy 2

Client Sample ID: 42-03 Lab Sample ID: 885-10402-1 Date Collected: 08/21/24 10:45

Matrix: Water

Date Received: 08/22/24 09:30

Method: EPA 300.0 - Anions, Ion CI	nromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	950		50	mg/L			08/22/24 18:39	100
Nitrate	36		1.0	mg/L			08/22/24 18:26	10
Nitrite	ND		1.0	mg/L			08/22/24 18:26	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3200	E	50	mg/L			08/27/24 17:23	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		08/27/24 17:13	08/29/24 18:11	1

Client: EA Engineering Job ID: 885-10402-1

Project/Site: Dominguez Dairy 2

Client Sample ID: 42-13 Lab Sample ID: 885-10402-2

Date Collected: 08/21/24 12:50 Matrix: Water
Date Received: 08/22/24 09:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	930		50	mg/L			08/22/24 19:04	100
Nitrate	41		1.0	mg/L			08/22/24 18:51	10
Nitrite	ND		1.0	mg/L			08/22/24 18:51	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3200	E	50	mg/L			08/27/24 17:23	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND	F1	0.50	mg/L		08/27/24 17:13	08/29/24 18:17	1

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Client: EA Engineering Job ID: 885-10402-1

Project/Site: Dominguez Dairy 2

Client Sample ID: 42-06

Lab Sample ID: 885-10402-3

Matrix: Water

Date Collected: 08/21/24 15:05 Date Received: 08/22/24 09:30

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		50	mg/L			08/22/24 19:28	100
Nitrate	44		1.0	mg/L			08/22/24 19:16	10
Nitrite	ND		1.0	mg/L			08/22/24 19:16	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2100	E	50	mg/L			08/27/24 17:23	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND	F1	0.50	mg/L		08/27/24 17:13	08/29/24 17:58	1

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Job ID: 885-10402-1

Client: EA Engineering

Project/Site: Dominguez Dairy 2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10843/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 10843

мв мв Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 08/22/24 12:55

Lab Sample ID: LCS 885-10843/4 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 10843

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 5.00 4.66 mg/L 93 90 - 110

Lab Sample ID: MRL 885-10843/83 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10843

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.526 mg/L 105 50 - 150

Lab Sample ID: MB 885-10845/4 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 10845

мв мв Result Qualifier RL Unit Dil Fac Analyte D Prepared Analyzed 0.10 Nitrate ND 08/22/24 12:55 mg/L ND 08/22/24 12:55 Nitrite 0.10 mg/L

Lab Sample ID: LCS 885-10845/5 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10845

LCS LCS %Rec Spike Added Analyte Result Qualifier Unit %Rec Limits Nitrate 2.50 2.47 99 90 - 110 mg/L 1.00 0.919 Nitrite 92 90 - 110 mg/L

Lab Sample ID: MRL 885-10845/3 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 10845

	Spike	MRL	MRL				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate	0.100	0.0996	J	mg/L		100	50 - 150		_
Nitrite	0.0999	0.103		mg/L		103	50 - 150		

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11146/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11146

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			08/27/24 17:23	1

Eurofins Albuquerque

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Prep Type: Total/NA

Job ID: 885-10402-1

Client: EA Engineering Project/Site: Dominguez Dairy 2

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 885-11146/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11146

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	1000	1020		mg/L		102	80 - 120	

Lab Sample ID: 885-10402-1 DU Client Sample ID: 42-03 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11146

•	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	3200	E	3200	E	mg/L		0.8	10

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11144/3-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 11402

Prep Type: Total/NA Prep Batch: 11144 MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Nitrogen, Total Kjeldahl ND 0.50 mg/L 08/27/24 17:13 08/29/24 17:53

Lab Sample ID: LCS 885-11144/5-A Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA **Analysis Batch: 11402** Prep Batch: 11144

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier Ur	nit D	%Rec	Limits	
Nitrogen, Total Kjeldahl	10.0	10.2	mo	g/L	102	90 - 110	

Lab Sample ID: LLCS 885-11144/4-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11402

Prep Batch: 11144 Spike LLCS LLCS Added Result Qualifier Analyte Unit %Rec Limits Nitrogen, Total Kjeldahl 0.500 0.536 107 50 - 150 mg/L

Lab Sample ID: 885-10402-2 MS Client Sample ID: 42-13

Matrix: Water

Prep Type: Total/NA **Analysis Batch: 11402** Prep Batch: 11144 Spike MS MS Sample Sample %Rec Result Qualifier Added Result Qualifier %Rec Limits Analyte Unit D

2.08 F1

ND F1 mg/L

mg/L

21

90 - 110

90 - 110

10.0

10.0

Lab Sample ID: 885-10402-2 MSD

ND F1

Matrix: Water

Nitrogen, Total Kjeldahl

Nitrogen, Total Kjeldahl

Prep Type: Total/NA **Analysis Batch: 11402** Prep Batch: 11144 Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit ND F1

Eurofins Albuquerque

Client Sample ID: 42-13

NC

QC Sample Results

Client: EA Engineering Job ID: 885-10402-1

Project/Site: Dominguez Dairy 2

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: 885-10402-3 MS									Client Sam	nple ID: 42-06
Matrix: Water									Prep Ty	ype: Total/NA
Analysis Batch: 11402									Prep	Batch: 11144
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	ND	F1	10.0	ND	F1	mg/L			90 - 110	

Lab Sample ID: 885-10402-3 MSD									Client Sar	•	
Matrix: Water									Prep 1	Type: To	tal/NA
Analysis Batch: 11402									Prep	Batch:	11144
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrogen, Total Kjeldahl	ND	F1	10.0	ND	F1	mg/L		0	90 - 110	NC	20

QC Association Summary

Client: EA Engineering

Job ID: 885-10402-1 Project/Site: Dominguez Dairy 2

HPLC/IC

Analysis Batch: 10843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10402-1	42-03	Total/NA	Water	300.0	
885-10402-2	42-13	Total/NA	Water	300.0	
885-10402-3	42-06	Total/NA	Water	300.0	
MB 885-10843/3	Method Blank	Total/NA	Water	300.0	
LCS 885-10843/4	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10843/83	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10402-1	42-03	Total/NA	Water	300.0	
885-10402-2	42-13	Total/NA	Water	300.0	
885-10402-3	42-06	Total/NA	Water	300.0	
MB 885-10845/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10845/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10845/3	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Prep Batch: 11144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10402-1	42-03	Total/NA	Water	351.2	
885-10402-2	42-13	Total/NA	Water	351.2	
885-10402-3	42-06	Total/NA	Water	351.2	
MB 885-11144/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11144/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11144/4-A	Lab Control Sample	Total/NA	Water	351.2	
885-10402-2 MS	42-13	Total/NA	Water	351.2	
885-10402-2 MSD	42-13	Total/NA	Water	351.2	
885-10402-3 MS	42-06	Total/NA	Water	351.2	
885-10402-3 MSD	42-06	Total/NA	Water	351.2	

Analysis Batch: 11146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10402-1	42-03	Total/NA	Water	2540C	
885-10402-2	42-13	Total/NA	Water	2540C	
885-10402-3	42-06	Total/NA	Water	2540C	
MB 885-11146/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11146/2	Lab Control Sample	Total/NA	Water	2540C	
885-10402-1 DU	42-03	Total/NA	Water	2540C	

Analysis Batch: 11402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10402-1	42-03	Total/NA	Water	351.2	11144
885-10402-2	42-13	Total/NA	Water	351.2	11144
885-10402-3	42-06	Total/NA	Water	351.2	11144
MB 885-11144/3-A	Method Blank	Total/NA	Water	351.2	11144
LCS 885-11144/5-A	Lab Control Sample	Total/NA	Water	351.2	11144
LLCS 885-11144/4-A	Lab Control Sample	Total/NA	Water	351.2	11144
885-10402-2 MS	42-13	Total/NA	Water	351.2	11144
885-10402-2 MSD	42-13	Total/NA	Water	351.2	11144
885-10402-3 MS	42-06	Total/NA	Water	351.2	11144

Eurofins Albuquerque

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QC Association Summary

Client: EA Engineering Job ID: 885-10402-1

Project/Site: Dominguez Dairy 2

General Chemistry (Continued)

Analysis Batch: 11402 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10402-3 MSD	42-06	Total/NA	Water	351.2	11144

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Lab Chronicle

Client: EA Engineering Job ID: 885-10402-1

Project/Site: Dominguez Dairy 2

Date Received: 08/22/24 09:30

Client Sample ID: 42-03

Lab Sample ID: 885-10402-1 Date Collected: 08/21/24 10:45

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** Lab or Analyzed Total/NA 300.0 08/22/24 18:26 Analysis 10 10845 RC **EET ALB** Total/NA Analysis 300.0 100 10843 RC **EET ALB** 08/22/24 18:39 Total/NA Analysis 2540C 11146 KS **EET ALB** 08/27/24 17:23 1 351.2 **EET ALB** 08/27/24 17:13 Total/NA Prep 11144 DL Total/NA Analysis 351.2 11402 DL **EET ALB** 08/29/24 18:11 1

Client Sample ID: 42-13

Lab Sample ID: 885-10402-2

Matrix: Water

Date Collected: 08/21/24 12:50 Date Received: 08/22/24 09:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10845	RC	EET ALB	08/22/24 18:51
Total/NA	Analysis	300.0		100	10843	RC	EET ALB	08/22/24 19:04
Total/NA	Analysis	2540C		1	11146	KS	EET ALB	08/27/24 17:23
Total/NA	Prep	351.2			11144	DL	EET ALB	08/27/24 17:13
Total/NA	Analysis	351.2		1	11402	DL	EET ALB	08/29/24 18:17

Client Sample ID: 42-06

Lab Sample ID: 885-10402-3

Matrix: Water

Date Collected: 08/21/24 15:05 Date Received: 08/22/24 09:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10845	RC	EET ALB	08/22/24 19:16
Total/NA	Analysis	300.0		100	10843	RC	EET ALB	08/22/24 19:28
Total/NA	Analysis	2540C		1	11146	KS	EET ALB	08/27/24 17:23
Total/NA	Prep	351.2			11144	DL	EET ALB	08/27/24 17:13
Total/NA	Analysis	351.2		1	11402	DL	EET ALB	08/29/24 17:58

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

9/6/2024

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-10402-1

Project/Site: Dominguez Dairy 2

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date
New Mexico	State	State		02-26-25
• ,	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	st may include analyte:
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELA	P	NM100001	02-26-25
• .	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	st may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-10402-1

Login Number: 10402 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

JOB DESCRIPTION

Generated 9/11/2024 10:47:49 AM

Dominguez Dairy 2

JOB NUMBER

885-10481-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/11/2024 10:47:49 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Project/Site: Dominguez Dairy 2 Laboratory Job ID: 885-10481-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10481-1

Project/Site: Dominguez Dairy 2

Qualifiers

General Chemistry

Qualifier **Qualifier Description**

Result exceeded calibration range.

Glossary

DLC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE) MCL EPA recommended "Maximum Contaminant Level"

Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry) MDL

Decision Level Concentration (Radiochemistry)

Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: EA Engineering Project: Dominguez Dairy 2

Job ID: 885-10481-1 **Eurofins Albuquerque**

> Job Narrative 885-10481-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/23/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 2540C SingleDry: The analysis volume selected for the following sample produced a base result greater than 200mg before calculation of the final result: 42-08 (885-10481-2). The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. After analyst inspection, it was determined that the dried residue held no trapped moisture. As such, these data have been qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 885-10481-1

Client: EA Engineering Job ID: 885-10481-1

Project/Site: Dominguez Dairy 2

Client Sample ID: 42-02

Lab Sample ID: 885-10481-1

09/06/24 12:22

09/04/24 11:09

Matrix: Water

Date Collected: 08/22/24 11:46 Date Received: 08/23/24 09:40

Nitrogen, Total Kjeldahl (EPA

351.2)

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	660		50	mg/L			08/23/24 15:23	100
Nitrate	5.6		1.0	mg/L			08/23/24 15:08	10
Nitrite	ND		1.0	mg/L			08/23/24 15:08	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700		250	mg/L			08/28/24 14:00	1

0.50

mg/L

1.1

Client: EA Engineering Job ID: 885-10481-1

Project/Site: Dominguez Dairy 2

Client Sample ID: 42-08

Lab Sample ID: 885-10481-2

Date Collected: 08/22/24 13:15 Date Received: 08/23/24 09:40

Nitrogen, Total Kjeldahl (EPA

351.2)

Matrix: Water

09/06/24 12:27

09/04/24 11:09

Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	530		50	mg/L			08/23/24 15:53	100
Nitrate	5.5		1.0	mg/L			08/23/24 15:38	10
Nitrite	ND		1.0	mg/L			08/23/24 15:38	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2600	E	50	mg/L			08/28/24 14:00	1

0.50

mg/L

1.0

Client: EA Engineering Job ID: 885-10481-1

Project/Site: Dominguez Dairy 2

Client Sample ID: 42-11

Lab Sample ID: 885-10481-3

Matrix: Water

Date Collected: 08/22/24 14:13 Date Received: 08/23/24 09:40

Method: EPA 300.0 - Anions	Method: EPA 300.0 - Anions, Ion Chromatography										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	1600		50	mg/L			08/23/24 16:23	100			
Nitrate	33		1.0	mg/L			08/23/24 16:08	10			
Nitrite	ND		1.0	mg/L			08/23/24 16:08	10			
_											

_								
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4400		500	mg/L			08/28/24 14:00	1
Nitrogen, Total Kjeldahl (EPA	0.71		0.50	mg/L		09/05/24 11:52	09/06/24 16:24	1
351.2)								

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Client: EA Engineering Job ID: 885-10481-1

RL

50

1.0

1.0

Unit

mg/L

mg/L

mg/L

Project/Site: Dominguez Dairy 2

Client Sample ID: 42-12

Analyte

Chloride

Nitrate

Nitrite

Lab Sample ID: 885-10481-4

Matrix: Water

Date Collected: 08/22/24 15:20 Date Received: 08/23/24 09:40

Method: EPA 300.0 - Anions, Ion Chromatography

1800

38

ND

D	Prepared	Analyzed	Dil Fac
		08/23/24 16:54	100
		08/23/24 16:38	10

08/23/24 16:38

General Chemistry								
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4500		500	mg/L			08/28/24 14:00	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/05/24 11:52	09/06/24 16:28	1

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Client: EA Engineering Job ID: 885-10481-1

Project/Site: Dominguez Dairy 2

Client Sample ID: 42-10 Lab Sample ID: 885-10481-5

Date Collected: 08/22/24 16:48

Date Received: 08/23/24 09:40

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		50	mg/L			08/23/24 17:54	100
Nitrate	39		1.0	mg/L			08/23/24 17:39	10
Nitrite	ND		1.0	mg/L			08/23/24 17:39	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4800		500	mg/L			08/28/24 14:00	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/05/24 11:52	09/06/24 16:30	1

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Client: EA Engineering

Project/Site: Dominguez Dairy 2

Job ID: 885-10481-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10914/5

Matrix: Water

Analysis Batch: 10914

Client Sample ID: Method Blank Prep Type: Total/NA

MB MB Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 08/23/24 08:25

Lab Sample ID: LCS 885-10914/6 Client Sample ID: Lab Control Sample **Matrix: Water**

Prep Type: Total/NA

Analysis Batch: 10914

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 5.00 4.73 mg/L 95 90 - 110

Lab Sample ID: MRL 885-10914/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10914

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.551 mg/L 110 50 - 150

Lab Sample ID: MB 885-10915/5 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10915

мв мв

Qualifier RL Unit Dil Fac Analyte Result D Prepared Analyzed Nitrate ND 0.10 08/23/24 08:25 mg/L 08/23/24 08:25 Nitrite ND 0.10 mg/L

Lab Sample ID: LCS 885-10915/6 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10915

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Nitrate 2.50 2.55 102 90 - 110 mg/L 1.00 0.919 Nitrite 92 90 - 110 mg/L

Lab Sample ID: MRL 885-10915/4 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 10915

Spike MRL MRL %Rec Added Result Qualifier %Rec Limits Analyte Unit Nitrate 0.100 0.118 118 50 - 150 mg/L 0.0999 Nitrite 0.109 mg/L 109 50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11223/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11223

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total Dissolved Solids ND 50 08/28/24 14:00 mg/L

Eurofins Albuquerque

Prep Type: Total/NA

Client: EA Engineering

Project/Site: Dominguez Dairy 2

Job ID: 885-10481-1

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 11584

Prep Type: Total/NA

Prep Batch: 11584

Client Sample ID: Lab Control Sample

Prep Batch: 11584

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 885-11223/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11223

Alialysis Datcii. 11223									
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Total Dissolved Solids	1000	997		mg/L		100	80 - 120	 	

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11584/30-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 11821

	MB MB						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND —	0.50	mg/L		09/04/24 11:09	09/06/24 12:37	1

Lab Sample ID: MB 885-11584/3-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 11821

	IND IND						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND	0.50	mg/L		09/04/24 11:09	09/06/24 11:51	1

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 885-11584/32-A Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11821							Prep	Batch: 11584
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
T. 110 11 11				- "		400		

Nitrogen, Total Kjeldahl 10.0 9.98 mq/L 100 90 - 110

Lab Sample ID: LCS 885-11584/5-A **Matrix: Water**

Analysis Batch: 11821

Spike LCS LCS %Rec Added Result Qualifier Analyte Unit Limits

Nitrogen, Total Kjeldahl 10.0 9.99 100 90 - 110 mg/L

Lab Sample ID: LLCS 885-11584/31-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11821							Prep	Batch: 11584
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	0.500	ND		mg/L		100	50 - 150	

Lab Sample ID: LLCS 885-11584/4-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11821							Prep Batch: 11584
	Spike	LLCS	LLCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Nitrogen, Total Kjeldahl	0.500	ND		mg/L		96	50 - 150

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QC Sample Results

Client: EA Engineering Job ID: 885-10481-1

Project/Site: Dominguez Dairy 2

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: MB 885-11660/3-A

Analysis Batch: 11822

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 11660

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Nitrogen, Total Kjeldahl ND 0.50 mg/L 09/05/24 11:52 09/06/24 16:19

Lab Sample ID: LCS 885-11660/5-A

Matrix: Water

Matrix: Water

Analysis Batch: 11822

Client Sample ID: Lab Control Sample

%Rec

90 - 110

96

Prep Type: Total/NA Prep Batch: 11660

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits 100 90 - 110

Nitrogen, Total Kjeldahl 10.0 9.98 mg/L

0.71

MB MB

Lab Sample ID: LLCS 885-11660/4-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

10.3

Matrix: Water

Analysis Batch: 11822

LLCS LLCS Spike

Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 0.500 0.504 mg/L 101 50 - 150

Lab Sample ID: 885-10481-3 MS

Matrix: Water

Analysis Batch: 11822

Client Sample ID: 42-11 Prep Type: Total/NA

mg/L

Prep Batch: 11660

Prep Batch: 11660

MS MS %Rec Sample Sample Spike Result Qualifier Added Result Qualifier %Rec Analyte Unit Limits

10.0

Lab Sample ID: 885-10481-3 MSD **Matrix: Water**

Analysis Batch: 11822

Nitrogen, Total Kjeldahl

Client Sample ID: 42-11 Prep Type: Total/NA Prep Batch: 11660

Sample Sample Spike MSD MSD **RPD** Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 10.0 Nitrogen, Total Kjeldahl 0.71 10.9 mg/L 101 90 - 110 5 20

Eurofins Albuquerque

Job ID: 885-10481-1

Client: EA Engineering Project/Site: Dominguez Dairy 2

HPLC/IC

Analysis Batch: 10914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10481-1	42-02	Total/NA	Water	300.0	
885-10481-2	42-08	Total/NA	Water	300.0	
885-10481-3	42-11	Total/NA	Water	300.0	
885-10481-4	42-12	Total/NA	Water	300.0	
885-10481-5	42-10	Total/NA	Water	300.0	
MB 885-10914/5	Method Blank	Total/NA	Water	300.0	
LCS 885-10914/6	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10914/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10481-1	42-02	Total/NA	Water	300.0	
885-10481-2	42-08	Total/NA	Water	300.0	
885-10481-3	42-11	Total/NA	Water	300.0	
885-10481-4	42-12	Total/NA	Water	300.0	
885-10481-5	42-10	Total/NA	Water	300.0	
MB 885-10915/5	Method Blank	Total/NA	Water	300.0	
LCS 885-10915/6	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10915/4	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 11223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10481-1	42-02	Total/NA	Water	2540C	_
885-10481-2	42-08	Total/NA	Water	2540C	
885-10481-3	42-11	Total/NA	Water	2540C	
885-10481-4	42-12	Total/NA	Water	2540C	
885-10481-5	42-10	Total/NA	Water	2540C	
MB 885-11223/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11223/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 11584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
885-10481-1	42-02	Total/NA	Water	351.2	
885-10481-2	42-08	Total/NA	Water	351.2	
MB 885-11584/30-A	Method Blank	Total/NA	Water	351.2	
MB 885-11584/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11584/32-A	Lab Control Sample	Total/NA	Water	351.2	
LCS 885-11584/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11584/31-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11584/4-A	Lab Control Sample	Total/NA	Water	351.2	

Prep Batch: 11660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10481-3	42-11	Total/NA	Water	351.2	<u> </u>
885-10481-4	42-12	Total/NA	Water	351.2	
885-10481-5	42-10	Total/NA	Water	351.2	
MB 885-11660/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11660/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11660/4-A	Lab Control Sample	Total/NA	Water	351.2	

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QC Association Summary

Client: EA Engineering Job ID: 885-10481-1

Project/Site: Dominguez Dairy 2

General Chemistry (Continued)

Prep Batch: 11660 (Continued)

	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	885-10481-3 MS	42-11	Total/NA	Water	351.2	
l	885-10481-3 MSD	42-11	Total/NA	Water	351.2	

Analysis Batch: 11821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10481-1	42-02	Total/NA	Water	351.2	11584
885-10481-2	42-08	Total/NA	Water	351.2	11584
MB 885-11584/30-A	Method Blank	Total/NA	Water	351.2	11584
MB 885-11584/3-A	Method Blank	Total/NA	Water	351.2	11584
LCS 885-11584/32-A	Lab Control Sample	Total/NA	Water	351.2	11584
LCS 885-11584/5-A	Lab Control Sample	Total/NA	Water	351.2	11584
LLCS 885-11584/31-A	Lab Control Sample	Total/NA	Water	351.2	11584
LLCS 885-11584/4-A	Lab Control Sample	Total/NA	Water	351.2	11584

Analysis Batch: 11822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10481-3	42-11	Total/NA	Water	351.2	11660
885-10481-4	42-12	Total/NA	Water	351.2	11660
885-10481-5	42-10	Total/NA	Water	351.2	11660
MB 885-11660/3-A	Method Blank	Total/NA	Water	351.2	11660
LCS 885-11660/5-A	Lab Control Sample	Total/NA	Water	351.2	11660
LLCS 885-11660/4-A	Lab Control Sample	Total/NA	Water	351.2	11660
885-10481-3 MS	42-11	Total/NA	Water	351.2	11660
885-10481-3 MSD	42-11	Total/NA	Water	351.2	11660

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Lab Chronicle

Client: EA Engineering Job ID: 885-10481-1

Project/Site: Dominguez Dairy 2

Client Sample ID: 42-02

Date Collected: 08/22/24 11:46 Date Received: 08/23/24 09:40 Lab Sample ID: 885-10481-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10915	JT	EET ALB	08/23/24 15:08
Total/NA	Analysis	300.0		100	10914	JT	EET ALB	08/23/24 15:23
Total/NA	Analysis	2540C		1	11223	ES	EET ALB	08/28/24 14:00
Total/NA	Prep	351.2			11584	DL	EET ALB	09/04/24 11:09
Total/NA	Analysis	351.2		1	11821	DL	EET ALB	09/06/24 12:22

Client Sample ID: 42-08

Date Collected: 08/22/24 13:15 Date Received: 08/23/24 09:40 Lab Sample ID: 885-10481-2

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10915	JT	EET ALB	08/23/24 15:38
Total/NA	Analysis	300.0		100	10914	JT	EET ALB	08/23/24 15:53
Total/NA	Analysis	2540C		1	11223	ES	EET ALB	08/28/24 14:00
Total/NA	Prep	351.2			11584	DL	EET ALB	09/04/24 11:09
Total/NA	Analysis	351.2		1	11821	DL	EET ALB	09/06/24 12:27

Client Sample ID: 42-11

Date Collected: 08/22/24 14:13

Date Received: 08/23/24 09:40

Lab Sample ID: 885-10481-3

Lab Sample ID: 885-10481-4

Matrix: Water

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10915	JT	EET ALB	08/23/24 16:08
Total/NA	Analysis	300.0		100	10914	JT	EET ALB	08/23/24 16:23
Total/NA	Analysis	2540C		1	11223	ES	EET ALB	08/28/24 14:00
Total/NA	Prep	351.2			11660	HR	EET ALB	09/05/24 11:52
Total/NA	Analysis	351.2		1	11822	DL	EET ALB	09/06/24 16:24

Client Sample ID: 42-12

Date Collected: 08/22/24 15:20

Date Received: 08/23/24 09:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10915	JT	EET ALB	08/23/24 16:38
Total/NA	Analysis	300.0		100	10914	JT	EET ALB	08/23/24 16:54
Total/NA	Analysis	2540C		1	11223	ES	EET ALB	08/28/24 14:00
Total/NA	Prep	351.2			11660	HR	EET ALB	09/05/24 11:52
Total/NA	Analysis	351.2		1	11822	DL	EET ALB	09/06/24 16:28

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9/11/2024

Lab Chronicle

Client: EA Engineering Job ID: 885-10481-1

Project/Site: Dominguez Dairy 2

Date Received: 08/23/24 09:40

Client Sample ID: 42-10

Lab Sample ID: 885-10481-5 Date Collected: 08/22/24 16:48

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10915	JT	EET ALB	08/23/24 17:39
Total/NA	Analysis	300.0		100	10914	JT	EET ALB	08/23/24 17:54
Total/NA	Analysis	2540C		1	11223	ES	EET ALB	08/28/24 14:00
Total/NA	Prep	351.2			11660	HR	EET ALB	09/05/24 11:52
Total/NA	Analysis	351.2		1	11822	DL	EET ALB	09/06/24 16:30

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-10481-1

Project/Site: Dominguez Dairy 2

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date			
New Mexico	State		NM9425, NM0901	02-26-25			
• •	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	st may include analyt			
Analysis Method	Prep Method	Matrix	Analyte				
2540C		Water	Total Dissolved Solids				
300.0		Water	Chloride				
300.0		Water	Nitrate Nitrite				
300.0		Water					
351.2	351.2	Water	Nitrogen, Total Kjeldahl				
regon	NELA	>	NM100001	02-26-25			
The following analytes	are included in this report, bu	t the laboratory is not certif	fied by the governing authority. This lis	st may include analy			
for which the agency d	oes not offer certification.						
Analysis Method	Prep Method	Matrix	Analyte				
351.2	351.2	Water	Nitrogen, Total Kjeldahl				

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-10481-1

Login Number: 10481 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 10/11/2024 7:54:44 AM

JOB DESCRIPTION

Bright Star Dairy

JOB NUMBER

885-12316-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 10/11/2024 7:54:44 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Project/Site: Bright Star Dairy Laboratory Job ID: 885-12316-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-12316-1

Project/Site: Bright Star Dairy

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)
LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Albuquerque

10/11/2024

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Case Narrative

Client: EA Engineering Project: Bright Star Dairy

Job ID: 885-12316-1 Eurofins Albuquerque

Job Narrative 885-12316-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/21/2024 9:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

Receipt Exceptions

The reference method requires samples to be preserved to a pH of <2. The following sample: 1B was received with insufficient preservation at a pH of >2. The sample was delivered to the Wet Chemistry department with insufficient preservation

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 885-12316-1

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Client: EA Engineering Job ID: 885-12316-1

Project/Site: Bright Star Dairy

Client Sample ID: 340-Lagoon Lab Sample ID: 885-12316-1

Date Collected: 09/20/24 12:26 **Matrix: Water**

Date Received: 09/21/24 09:50

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3900		250	mg/L			10/03/24 02:53	500
Nitrate Nitrite as N	ND		4.0	mg/L			10/03/24 04:32	20
Method: EPA 200.7 Rev	• • • • • • • • • • • • • • • • • • • •				_			
Method: EPA 200.7 Rev Analyte	4.4 - Metals (ICP) - Result (<mark>/erable</mark> RL	Unit	D	Prepared	Analyzed	Dil Fac

General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	15000		5000	mg/L			09/27/24 09:55	1
Nitrogen, Total Kjeldahl (EPA 351.2)	640		25	mg/L		09/23/24 13:39	09/25/24 18:10	2

Client: EA Engineering Project/Site: Bright Star Dairy Job ID: 885-12316-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Lab Sample ID: MB 885-12831/4

Matrix: Water

Analysis Batch: 12831

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte Prepared Chloride 0.50 09/23/24 14:09 ND mg/L

Lab Sample ID: LCS 885-12831/5

Matrix: Water

Analysis Batch: 12831

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits Analyte Chloride 5.00 90 - 110 4.66 mg/L 93

Lab Sample ID: MRL 885-12831/3

Matrix: Water

Analysis Batch: 12831

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit %Rec Chloride 0.500 0.536 107 50 - 150 mg/L

Lab Sample ID: MB 885-13072/4

Matrix: Water

Analysis Batch: 13072

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Nitrate Nitrite as N 0.20 09/25/24 08:49 ND mg/L

Lab Sample ID: LCS 885-13072/5

Matrix: Water

Analysis Batch: 13072

LCS LCS Spike %Rec Analyte Added Limits Result Qualifier Unit %Rec Nitrate Nitrite as N 3.50 3.46 mg/L 99 90 - 110

Lab Sample ID: MRL 885-13072/3

Matrix: Water

Analysis Batch: 13072

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit D %Rec 0.200 0.211 Nitrate Nitrite as N mg/L 106

Lab Sample ID: MB 885-13581/103

Matrix: Water

Analysis Batch: 13581

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride 0.50 10/03/24 02:16 ND mg/L

Lab Sample ID: MB 885-13581/18

Matrix: Water

Analysis Batch: 13581

MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride 0.50 10/02/24 08:47 ND mg/L

Eurofins Albuquerque

Dil Fac

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

50 - 150

Client Sample ID: Method Blank

Prep Type: Total/NA

Client Sample ID: Method Blank

Prep Type: Total/NA

Client: EA Engineering

Job ID: 885-12316-1

Project/Site: Bright Star Dairy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 885-13581/1 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 13581

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit %Rec 90 - 110 Chloride 5.00 4.74 mg/L 95

Lab Sample ID: LCS 885-13581/19 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 13581

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Analyte Unit 5.00 90 - 110 Chloride 4.69 mg/L 94

Lab Sample ID: MRL 885-13581/17 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 13581

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit %Rec Chloride 0.500 0.518 104 50 - 150 mg/L

Lab Sample ID: MB 885-13582/103 Client Sample ID: Method Blank **Matrix: Water Prep Type: Total/NA**

Analysis Batch: 13582

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrate Nitrite as N 0.20 10/03/24 02:16 ND mg/L

Lab Sample ID: MB 885-13582/18 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 13582

MR MR RL Unit Analyte Result Qualifier Prepared Analyzed Dil Fac Nitrate Nitrite as N 0.20 10/02/24 08:47 ND mg/L

Lab Sample ID: LCS 885-13582/1 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 13582

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Limits Unit 3.50 Nitrate Nitrite as N 3.45 mg/L 98 90 - 110

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 885-13582/19 **Matrix: Water**

Analysis Batch: 13582

Spike LCS LCS %Rec Added Result Qualifier Limits Unit %Rec 3.50 Nitrate Nitrite as N 3.40 mg/L 97 90 - 110

Lab Sample ID: MRL 885-13582/17 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 13582

Spike MRL MRL %Rec Added Analyte Result Qualifier Unit %Rec Limits Nitrate Nitrite as N 0.200 0.208 50 - 150 mg/L 104

Eurofins Albuquerque

10/11/2024

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Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client: EA Engineering Project/Site: Bright Star Dairy Job ID: 885-12316-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MRL 885-13377/30 Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA

Analysis Batch: 13377

Spike MRL MRL %Rec Added Result Qualifier %Rec Limits Analyte Unit D Sulfur 1.00 ND mg/L 79 50 - 150

Lab Sample ID: MB 885-12885/1-A Client Sample ID: Method Blank

Matrix: Water Prep Type: Total Recoverable Analysis Batch: 13377

Prep Batch: 12885

MB MB Result Qualifier RL Unit D Prepared Analyzed Dil Fac Analyte 1.0 09/24/24 12:11 09/30/24 11:14 Sulfur ND mq/L

Lab Sample ID: LCS 885-12885/6-A Client Sample ID: Lab Control Sample **Matrix: Water Prep Type: Total Recoverable**

Analysis Batch: 13377 Prep Batch: 12885 Spike LCS LCS %Rec

Added Result Qualifier Limits Analyte Unit %Rec Sulfur 50.0 50.5 101 85 - 115 mg/L

Lab Sample ID: LLCS 885-12885/5-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total Recoverable**

Analysis Batch: 13377

Prep Batch: 12885 Spike LLCS LLCS %Rec

Analyte Added Result Qualifier Unit %Rec Limits 1 00 ND Sulfur mg/L 50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-13154/1 Client Sample ID: Method Blank **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 13154

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Total Dissolved Solids ND 50 mg/L 09/27/24 09:55

Lab Sample ID: LCS 885-13154/2 **Client Sample ID: Lab Control Sample Matrix: Water**

Analysis Batch: 13154

LCS LCS Spike Added Result Qualifier Analyte Unit %Rec Limits Total Dissolved Solids 1000 1020 102 80 - 120 mg/L

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-12781/40-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 13049

MB MB Unit Result Qualifier RL Prepared Analyzed Nitrogen, Total Kjeldahl ND 0.50 09/23/24 13:39 09/25/24 17:38 mg/L

Eurofins Albuquerque

10/11/2024

Prep Batch: 12781

QC Sample Results

Client: EA Engineering Job ID: 885-12316-1

Project/Site: Bright Star Dairy

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCS 885-12781/42-A		Client Sample ID: Lab Control Samp						
Matrix: Water							Prep Ty	pe: Total/NA
Analysis Batch: 13049							Prep I	Batch: 12781
-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	10.0	10.0		mg/L		100	90 - 110	

Lab Sample ID: LLCS 885-12781/41-A				Clie	nt Saı	mple ID		ntrol Sample
Matrix: Water							Prep Ty	pe: Total/NA
Analysis Batch: 13049							Prep I	Batch: 12781
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen Total Kieldahl	0.500	0.589		ma/l		118	50 - 150	

QC Association Summary

Client: EA Engineering Project/Site: Bright Star Dairy Job ID: 885-12316-1

HPLC/IC

Analysis Batch: 12831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-12831/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12831/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12831/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 13072

Lab Sample ID MB 885-13072/4	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Water	Method 300.0	Prep Batch
LCS 885-13072/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-13072/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 13581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12316-1	340-Lagoon	Total/NA	Water	300.0	
MB 885-13581/103	Method Blank	Total/NA	Water	300.0	
MB 885-13581/18	Method Blank	Total/NA	Water	300.0	
LCS 885-13581/1	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-13581/19	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-13581/17	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 13582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12316-1	340-Lagoon	Total/NA	Water	300.0	
MB 885-13582/103	Method Blank	Total/NA	Water	300.0	
MB 885-13582/18	Method Blank	Total/NA	Water	300.0	
LCS 885-13582/1	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-13582/19	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-13582/17	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 12885

		1 A / . 4	7000	
agoon od Blank	Total Recoverable Total Recoverable	Water Water	200.2 200.2	
	Total Recoverable	Water	200.2	
2	od Blank Control Sample Control Sample	od Blank Total Recoverable Control Sample Total Recoverable	od Blank Total Recoverable Water Control Sample Total Recoverable Water	od Blank Total Recoverable Water 200.2 Control Sample Total Recoverable Water 200.2

Analysis Batch: 13377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12316-1	340-Lagoon	Total Recoverable	Water	200.7 Rev 4.4	12885
MB 885-12885/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	12885
LCS 885-12885/6-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	12885
LLCS 885-12885/5-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	12885
MRL 885-13377/30	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

General Chemistry

Prep Batch: 12781

Lab Sample ID 885-12316-1	Client Sample ID 340-Lagoon	Prep Type Total/NA	Matrix Water	Method 351.2	Prep Batch
MB 885-12781/40-A	Method Blank	Total/NA	Water	351.2	
LCS 885-12781/42-A	Lab Control Sample	Total/NA	Water	351.2	

Eurofins Albuquerque

QC Association Summary

Client: EA Engineering
Job ID: 885-12316-1
Project/Site: Bright Star Dairy

General Chemistry (Continued)

Prep Batch: 12781	(Continued)
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 885-12781/41-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 13049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12316-1	340-Lagoon	Total/NA	Water	351.2	12781
MB 885-12781/40-A	Method Blank	Total/NA	Water	351.2	12781
LCS 885-12781/42-A	Lab Control Sample	Total/NA	Water	351.2	12781
LLCS 885-12781/41-A	Lab Control Sample	Total/NA	Water	351.2	12781

Analysis Batch: 13154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12316-1	340-Lagoon	Total/NA	Water	2540C	
MB 885-13154/1	Method Blank	Total/NA	Water	2540C	
LCS 885-13154/2	Lab Control Sample	Total/NA	Water	2540C	

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Lab Chronicle

Client: EA Engineering Job ID: 885-12316-1

Project/Site: Bright Star Dairy

Client Sample ID: 340-Lagoon

Lab Sample ID: 885-12316-1 Date Collected: 09/20/24 12:26 Date Received: 09/21/24 09:50

Matrix: Water

Batch Batch Dilution Batch Prepared Method Factor Number Analyst or Analyzed **Prep Type** Type Run Lab Total/NA Analysis 300.0 500 13581 JT **EET ALB** 10/03/24 02:53 Total/NA Analysis 300.0 20 13582 JT **EET ALB** 10/03/24 04:32 Total Recoverable 200.2 12885 JF 09/24/24 12:11 Prep **EET ALB** Total Recoverable Analysis 200.7 Rev 4.4 1 13377 JR **EET ALB** 09/30/24 12:35 Total/NA Analysis 2540C 1 13154 ES **EET ALB** 09/27/24 09:55 Total/NA Prep 351.2 12781 HR **EET ALB** 09/23/24 13:39 Total/NA 351.2 2 13049 HR **EET ALB** 09/25/24 18:10 Analysis

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-12316-1

Project/Site: Bright Star Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		Program	Identification Number	Expiration Date	
New	Mexico		State	NM9425, NM0901	02-26-25
	The following analytes for which the agency			not certified by the governing author	rity. This list may include analytes
	Analysis Method	Prep Method	Matrix	Analyte	
	200.7 Rev 4.4	200.2	Water	Sulfur	
	2540C		Water	Total Dissolved Solids	
	300.0		Water	Chloride	
	300.0		Water	Nitrate Nitrite as N	
	351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oreg	on		NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte		
200.7 Rev 4.4	200.2	Water	Sulfur		
351.2	351.2	Water	Nitrogen, Total Kjeldahl		

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-12316-1

Login Number: 12316 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 10/10/2024 4:51:28 PM

JOB DESCRIPTION

Del Oro Dairy

JOB NUMBER

885-12314-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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10/10/2024

Client: EA Engineering Project/Site: Del Oro Dairy Laboratory Job ID: 885-12314-1

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QC Association Summary	12
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Certification Summary	15
Chain of Custody	16
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Definitions/Glossary

Client: EA Engineering Job ID: 885-12314-1

Project/Site: Del Oro Dairy

Glossary

MDL

MPN

MQL

NC

ND

NEG

POS

PQL

QC RER

RL

RPD TEF

TEQ

TNTC

PRES

ML

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

Eurofins Albuquerque

Case Narrative

Client: EA Engineering Project: Del Oro Dairy

Job ID: 885-12314-1 Eurofins Albuquerque

Job Narrative 885-12314-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/21/2024 9:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

Receipt Exceptions

The reference method requires samples to be preserved to a pH of <2. The following sample: 1B was received with insufficient preservation at a pH of >2. The sample was delivered to the Wet Chemistry department with insufficient preservation

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 885-12314-1

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Client Sample Results

Client: EA Engineering Job ID: 885-12314-1

Project/Site: Del Oro Dairy

Client Sample ID: 692-Lagoon

Date Collected: 09/20/24 14:15 Date Received: 09/21/24 09:50 Lab Sample ID: 885-12314-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10000		500	mg/L			10/03/24 02:41	1000
Nitrate Nitrite as N	ND		10	mg/L			10/03/24 04:20	50
- Method: EPA 200.7 Rev 4.4 - Metal	s (ICP) - Tota	I Recoverable)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfur	230		10	mg/L		09/24/24 12:11	09/30/24 12:19	1
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	43000		5000	mg/L			09/27/24 09:55	1

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Client: EA Engineering Project/Site: Del Oro Dairy Job ID: 885-12314-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

%Rec

Limits

90 - 110

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

D

%Rec

93

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12831/4

Matrix: Water

Analysis Batch: 12831

Client Sample ID: Method Blank Prep Type: Total/NA

mg/L

MB MB

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 09/23/24 14:09

4.66

Lab Sample ID: LCS 885-12831/5

Matrix: Water

Analysis Batch: 12831

Spike LCS LCS Added Analyte Result Qualifier Unit

Chloride

Lab Sample ID: MRL 885-12831/3

Analysis Batch: 12831

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.536 mg/L 107 50 - 150

5.00

Lab Sample ID: MB 885-12832/4

Matrix: Water

Matrix: Water

Analysis Batch: 12832

мв мв

Result Qualifier RL Analyte Unit D Prepared Analyzed Dil Fac 0.20 Nitrate Nitrite as N ND 09/23/24 14:09 mg/L

Lab Sample ID: LCS 885-12832/5

Matrix: Water

Analysis Batch: 12832

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate 2.50 2.47 99 90 - 110 mg/L Nitrite 1.00 0.920 mg/L 92 90 - 110 3.50 Nitrate Nitrite as N 3 39 mg/L 97 90 - 110

Lab Sample ID: MRL 885-12832/3

Matrix: Water

Analysis Batch: 12832

Spike MRL MRL %Rec Added Result Qualifier %Rec Limits Analyte Unit 50 - 150 0.100 Nitrate 0.102 102 mg/L 0.0999 Nitrite 0.102 mg/L 102 50 - 150 0.200 50 - 150 Nitrate Nitrite as N 0.204 mg/L 102

Lab Sample ID: MB 885-13072/4

Matrix: Water

Analysis Batch: 13072

MB MB

Analyte Result Qualifier RL Unit Dil Fac D Prepared Analyzed Nitrate Nitrite as N ND 0.20 mg/L 09/25/24 08:49

Eurofins Albuquerque

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Client: EA Engineering

Job ID: 885-12314-1 Project/Site: Del Oro Dairy

Method: 300.0 - Anions, Ion Chromatography (Continued)

MB MB

Lab Sample ID: MB 885-13072/62

Matrix: Water

Analysis Batch: 13072

Client Sample ID: Method Blank Prep Type: Total/NA

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Nitrate Nitrite as N ND 0.20 mg/L 09/25/24 18:16

Lab Sample ID: LCS 885-13072/5 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 13072

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Nitrate 2.50 2.52 mg/L 101 90 - 110 Nitrite 1.00 0.942 94 90 - 110 mg/L Nitrate Nitrite as N 3.50 3.46 mg/L 99 90 - 110

Lab Sample ID: LCS 885-13072/63 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 13072

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Nitrate 2.50 90 - 110 2.56 mg/L 102 Nitrite 1.00 0.956 mg/L 96 90 - 110Nitrate Nitrite as N 3.50 3.52 mg/L 100 90 - 110

Lab Sample ID: MRL 885-13072/3 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 13072

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate 0.100 0.106 mg/L 106 50 - 150 Nitrite 0.0999 0.105 105 50 - 150 mg/L Nitrate Nitrite as N 0.200 0.211 mg/L 106 50 - 150

Lab Sample ID: MB 885-13581/103 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 13581

MR MR

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.50 Chloride ND mg/L 10/03/24 02:16

Lab Sample ID: MB 885-13581/18 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 13581

MB MB

Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Chloride ND 0.50 10/02/24 08:47 mg/L

Lab Sample ID: LCS 885-13581/1 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 13581

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 5.00	4.74		ma/L		95	90 - 110	

Eurofins Albuquerque

10/10/2024

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client: EA Engineering

Job ID: 885-12314-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Limits

90 - 110

Client Sample ID: Lab Control Sample

%Rec Limits 50 - 150

Client Sample ID: Method Blank

Client Sample ID: Method Blank

%Rec

Project/Site: Del Oro Dairy

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-13581/19

Analyte

Matrix: Water		Prep Typ	oe: Total/NA
Analysis Batch: 13581			
	Spike LCS	LCS %Rec	

Result Qualifier

4.69

Unit

mg/L

Added

5.00

Chloride

Lab Sample ID: MRL 885-13581/17

Matrix: Water

Analysis Batch: 13581

	Spike	MRL	MRL				
Analyte	Added	Result	Qualifier	Unit	D	%Rec	
Chloride	0.500	0.518		ma/L		104	

Lab Sample ID: MB 885-13582/103

Matrix: Water

Analysis Batch: 13582

мв мв

Analyte	Result Qualifie		Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND	0.20	mg/L			10/03/24 02:16	1

Lab Sample ID: MB 885-13582/18

Matrix: Water

Analysis Batch: 13582

мв мв

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND	0.20	mg/L			10/02/24 08:47	1

Lab Sample ID: LCS 885-13582/1

Matrix: Water

Analysis Batch: 13582

_	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Nitrate	2.50	2.48		mg/L		99	90 - 110
Nitrite	1.00	0.967		mg/L		97	90 - 110
Nitrate Nitrite as N	3.50	3.45		ma/L		98	90 - 110

Lab Sample ID: LCS 885-13582/19

Matrix: Water

Analysis Batch: 13582

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	2.50	2.45		mg/L		98	90 - 110	
Nitrite	1.00	0.952		mg/L		95	90 - 110	
Nitrate Nitrite as N	3.50	3.40		mg/L		97	90 - 110	

Lab Sample ID: MRL 885-13582/17

Matrix: Water

Analysis Batch: 13582

_	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	0.100	0.104		mg/L		104	50 - 150	
Nitrite	0.100	0.104		mg/L		104	50 - 150	
Nitrate Nitrite as N	0.200	0.208		ma/L		104	50 - 150	

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Page 9 of 17

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 12885

Prep Batch: 12885

Prep Batch: 12885

Prep Type: Total/NA

Prep Type: Total/NA

Dil Fac

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

%Rec

Limits

85 - 115

Client Sample ID: Lab Control Sample

%Rec

Limits

50 - 150

Client Sample ID: Method Blank

Analyzed

09/27/24 09:55

Client Sample ID: Lab Control Sample

%Rec

Limits

80 - 120

Client Sample ID: Method Blank

101

%Rec

Prepared

%Rec

102

D

Prep Type: Total Recoverable

Prep Type: Total Recoverable

Prep Type: Total Recoverable

Client: EA Engineering Project/Site: Del Oro Dairy

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MRL 885-13377/30

Analysis Batch: 13377

Spike MRL MRL %Rec Analyte Added Result Qualifier %Rec Limits Unit D Sulfur 1.00 ND mg/L 79 50 - 150

Lab Sample ID: MB 885-12885/1-A

Matrix: Water

Matrix: Water

Analysis Batch: 13377

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Sulfur ND 1.0 mg/L 09/24/24 12:11 09/30/24 11:14

50.5

LLCS LLCS

ND

Result Qualifier

ma/L

Unit

mg/L

Unit

mg/L

Unit

mg/L

50.0

Spike

Added

1.00

Spike

Added

1000

RL

50

Lab Sample ID: LCS 885-12885/6-A

Matrix: Water

Analysis Batch: 13377

LCS LCS Spike Added Result Qualifier Unit Sulfur

MB MB

Qualifier

Result

ND

Lab Sample ID: LLCS 885-12885/5-A

Matrix: Water

Analysis Batch: 13377

Analyte

Sulfur Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-13154/1

Matrix: Water

Analysis Batch: 13154

Total Dissolved Solids

Lab Sample ID: LCS 885-13154/2

Matrix: Water

Analysis Batch: 13154

Analyte **Total Dissolved Solids**

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-12781/3-A

Matrix: Water

Analysis Batch: 13049

MB MB Result Qualifier

Nitrogen, Total Kjeldahl ND

RL Unit 0.50

mg/L

LCS LCS

1020

Result Qualifier

Prepared 09/23/24 13:39

Analyzed

Dil Fac 09/25/24 16:52

Prep Type: Total/NA

Prep Batch: 12781

Eurofins Albuquerque

QC Sample Results

Client: EA Engineering Job ID: 885-12314-1

Project/Site: Del Oro Dairy

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCS 885-12781/5-A			Client Sample ID: Lab Control Sample
Matrix: Water			Prep Type: Total/NA
Analysis Batch: 13049			Prep Batch: 12781
	Snike	ICS ICS	%Rec

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Nitrogen, Total Kjeldahl	10.0	10.0		mg/L		100	90 - 110			
Lab Sample ID: LLCS 885-12781/4-A					Client	Sample	ID: Lab C	ontrol Sa	ample	

Lab Sample ID: LLCS 885-12781/4-A Matrix: Water					Client	Sample	Prep 1	ontrol Sample Type: Total/NA
Analysis Batch: 13049							Prep	Batch: 12781
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	0.500	0.522		mg/L		104	50 - 150	

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QC Association Summary

Client: EA Engineering Job ID: 885-12314-1 Project/Site: Del Oro Dairy

HPLC/IC

Analy	/SIS	Batch:	12831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-12831/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12831/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12831/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 12832

Lab Sample ID MB 885-12832/4	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Water	Method 300.0	Prep Bato
LCS 885-12832/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12832/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 13072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-13072/4	Method Blank	Total/NA	Water	300.0	
MB 885-13072/62	Method Blank	Total/NA	Water	300.0	
LCS 885-13072/5	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-13072/63	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-13072/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 13581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12314-1	692-Lagoon	Total/NA	Water	300.0	
MB 885-13581/103	Method Blank	Total/NA	Water	300.0	
MB 885-13581/18	Method Blank	Total/NA	Water	300.0	
LCS 885-13581/1	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-13581/19	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-13581/17	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 13582

Lab Sample ID 885-12314-1	Client Sample ID 692-Lagoon	Prep Type Total/NA	Matrix Water	Method 300.0	Prep Batch
MB 885-13582/103	Method Blank	Total/NA	Water	300.0	
MB 885-13582/18	Method Blank	Total/NA	Water	300.0	
LCS 885-13582/1	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-13582/19	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-13582/17	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 12885

Lab Sample ID 885-12314-1	Client Sample ID 692-Lagoon	Prep Type Total Recoverable	Matrix Water	Method 200.2	Prep Batch
MB 885-12885/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-12885/6-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-12885/5-A	Lab Control Sample	Total Recoverable	Water	200.2	

Analysis Batch: 13377

– Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12314-1	692-Lagoon	Total Recoverable	Water	200.7 Rev 4.4	12885
MB 885-12885/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	12885
LCS 885-12885/6-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	12885
LLCS 885-12885/5-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	12885

Eurofins Albuquerque

10/10/2024

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QC Association Summary

Client: EA Engineering Job ID: 885-12314-1

Project/Site: Del Oro Dairy

Metals (Continued)

Analysis	Batch:	13377	(Continued)
			(

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-13377/30	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

General Chemistry

Prep Batch: 12781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12314-1	692-Lagoon	Total/NA	Water	351.2	
MB 885-12781/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-12781/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-12781/4-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 13049

Lab Sample ID 885-12314-1	Client Sample ID 692-Lagoon	Prep Type Total/NA	Matrix Water	Method 351.2	Prep Batch 12781
MB 885-12781/3-A	Method Blank	Total/NA	Water	351.2	12781
LCS 885-12781/5-A	Lab Control Sample	Total/NA	Water	351.2	12781
LLCS 885-12781/4-A	Lab Control Sample	Total/NA	Water	351.2	12781

Analysis Batch: 13154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12314-1	692-Lagoon	Total/NA	Water	2540C	
MB 885-13154/1	Method Blank	Total/NA	Water	2540C	
LCS 885-13154/2	Lab Control Sample	Total/NA	Water	2540C	

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10/10/2024

Lab Chronicle

Client: EA Engineering Job ID: 885-12314-1

Project/Site: Del Oro Dairy

Client Sample ID: 692-Lagoon

Lab Sample ID: 885-12314-1 Date Collected: 09/20/24 14:15 Date Received: 09/21/24 09:50

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		1000	13581	JT	EET ALB	10/03/24 02:41
Total/NA	Analysis	300.0		50	13582	JT	EET ALB	10/03/24 04:20
Total Recoverable	Prep	200.2			12885	JF	EET ALB	09/24/24 12:11
Total Recoverable	Analysis	200.7 Rev 4.4		1	13377	JR	EET ALB	09/30/24 12:19
Total/NA	Analysis	2540C		1	13154	ES	EET ALB	09/27/24 09:55
Total/NA	Prep	351.2			12781	HR	EET ALB	09/23/24 13:39
Total/NA	Analysis	351.2		1	13049	HR	EET ALB	09/25/24 17:34

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering

Job ID: 885-12314-1

Project/Site: Del Oro Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date			
New Mexico	State		NM9425, NM0901	02-26-25			
• •	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analyt			
Analysis Method	Prep Method	Matrix	Analyte				
200.7 Rev 4.4	200.2	Water	Sulfur				
2540C		Water	Total Dissolved Solids				
300.0		Water	Chloride				
300.0		Water	Nitrate Nitrite as N Nitrogen, Total Kjeldahl				
351.2	351.2	Water					
Oregon	NELA	P	NM100001	02-26-25			
The following analytes	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analyt			
for which the agency de	oes not offer certification.						
Analysis Method	Prep Method	Matrix	Analyte				
200.7 Rev 4.4	200.2	Water	Sulfur				
351.2	351.2	Water	Nitrogen, Total Kjeldahl				

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Compliance Container Con		4279	Lindaarmstron	@zianet.com				An	alysis Red	quest		
Gine Mullen Container Container Container Container Preservative HEAL No. Matrix Sample: Angel N Rivera Container Preservative HEAL No. Mitrate/Mitrites EPA 300 Mitrate/Mitrate/Mitrate/Mi		rmullen@eaest.com	Project Manag	er:	-	008						
Carpellation Sampler: Angel N Rivera Other Other Az Compliance Onlice: Yes No No Other Az Compliance Onlice: Yes No Other Az Compliance Az Chiloride EPA 300 Other Type Az Chiloride EPA 300 Other Type Az Chiloride EPA 300 Other Az Chiloride Other Az Chiloride Other Az Chiloride Other Az Chiloride Other	IC Package:			sina Mullen		po			- !			
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Time: Relinquished by: Received by: $S(M, g) = \frac{1}{2} $ Date		"	SCW 6	91/	04/20							
		d by:		9/21/34 Date	me							

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-12314-1

Login Number: 12314 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 10/3/2024 1:12:53 PM

JOB DESCRIPTION

Mountain View Dairy

JOB NUMBER

885-12317-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

10/3/2024

Page 2 of 14

Client: EA Engineering Laboratory Job ID: 885-12317-1 Project/Site: Mountain View Dairy

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Definitions/Glossary

Client: EA Engineering Job ID: 885-12317-1

Project/Site: Mountain View Dairy

Glossary

MDL

ML

MPN

MQL

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit Minimum Level (Dioxin) Most Probable Number

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Method Quantitation Limit

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

10/3/2024

Case Narrative

Client: EA Engineering Project: Mountain View Dairy

Job ID: 885-12317-1 **Eurofins Albuquerque**

> Job Narrative 885-12317-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/21/2024 9:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

Receipt Exceptions

The reference method requires samples to be preserved to a pH of <2. The following sample: 1B was received with insufficient preservation at a pH of >2. The sample was delivered to the Wet Chemistry department with insufficient preservation

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Page 5 of 14

Job ID: 885-12317-1

Client Sample Results

Client: EA Engineering Job ID: 885-12317-1

Project/Site: Mountain View Dairy

Client Sample ID: 70-Lagoon

Lab Sample ID: 885-12317-1

09/25/24 18:08

09/23/24 13:39

Matrix: Water

Date Collected: 09/20/24 11:16 Date Received: 09/21/24 09:50

Nitrogen, Total Kjeldahl (EPA

351.2)

Method: EPA 300.0 - Anions, Ion Cl	nromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		50	mg/L			09/23/24 17:56	100
Nitrate Nitrite as N	2.2		2.0	mg/L			09/24/24 03:47	10
Method: EPA 200.7 Rev 4.4 - Metals	(ICP) - Tota	I Recoverable	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfur	110		10	mg/L		09/24/24 12:11	09/30/24 12:38	1
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	8800		2500	mg/L			09/27/24 09:55	1

63

mg/L

Client: EA Engineering

Project/Site: Mountain View Dairy

Job ID: 885-12317-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12831/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12831

MR MR			

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride ND 0.50 mg/L 09/23/24 14:09

Lab Sample ID: LCS 885-12831/5 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12831

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 5.00 4.66 mg/L 93 90 - 110

Lab Sample ID: MRL 885-12831/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12831

%Rec Spike MRL MRL Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.536 mg/L 107 50 - 150

Lab Sample ID: MB 885-12832/4 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12832

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			09/23/24 14:09	1

Lab Sample ID: LCS 885-12832/5 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 12832

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N	3.50	3.39		mg/L	_	97	90 - 110	

Lab Sample ID: MRL 885-12832/3 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 12832

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N	0.200	0.204		mg/L		102	50 - 150	

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MRL 885-13377/30 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 13377

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Sulfur	1.00	ND		mg/L		79	50 - 150	

Prep Type: Total/NA

Prep Type: Total/NA

RL

1.0

Spike

Added

50.0

Spike

Added

1.00

Spike

Added

1000

Spike

50

Dil Fac

Client: EA Engineering

Project/Site: Mountain View Dairy

Job ID: 885-12317-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 885-12885/1-A

Matrix: Water

Sulfur

Analysis Batch: 13377

Client Sample ID: Method Blank **Prep Type: Total Recoverable**

D

Prepared

09/24/24 12:11

%Rec

Prepared

102

Prepared

09/23/24 13:39

101

D

Unit

mg/L

Unit

mg/L

Unit

mg/L

Unit

mg/L

Unit

mq/L

LCS LCS

LLCS LLCS

LCS LCS

Qualifier

Result

1020

ND

Result Qualifier

50.5

Result Qualifier

Prep Batch: 12885

Analyzed

09/30/24 11:14

MB MB Analyte Result Qualifier

ND

ND

Lab Sample ID: LCS 885-12885/6-A

Matrix: Water

Analysis Batch: 13377

Analyte

Sulfur

Lab Sample ID: LLCS 885-12885/5-A

Matrix: Water Analysis Batch: 13377

Analyte

Sulfur

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-13154/1

Matrix: Water

Analysis Batch: 13154

мв мв Qualifier Result

Analyte Total Dissolved Solids

Lab Sample ID: LCS 885-13154/2

Matrix: Water Analysis Batch: 13154

Analyte Total Dissolved Solids

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-12781/40-A **Matrix: Water**

Analysis Batch: 13049

Nitrogen, Total Kjeldahl

Lab Sample ID: LCS 885-12781/42-A

Matrix: Water Analysis Batch: 13049

Nitrogen, Total Kjeldahl

Added 10.0

Qualifier

MR MR Result

ND

10.0

RL

0.50

Result Qualifier

LCS LCS

Unit

mg/L

Unit ma/L

Limits %Rec 100

90 - 110

Client Sample ID: Lab Control Sample **Prep Type: Total Recoverable**

Limits

85 - 115

Prep Batch: 12885

%Rec

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 12885

%Rec %Rec Limits

50 - 150

Client Sample ID: Method Blank

Prep Type: Total/NA

Dil Fac

Client Sample ID: Lab Control Sample

Analyzed

09/27/24 09:55

Prep Type: Total/NA

%Rec %Rec Limits

80 - 120

Client Sample ID: Method Blank

Analyzed

09/25/24 17:38

Prep Type: Total/NA Prep Batch: 12781

Dil Fac

Client Sample ID: Lab Control Sample Prep Type: Total/NA

%Rec

Prep Batch: 12781

QC Sample Results

Client: EA Engineering Job ID: 885-12317-1

Project/Site: Mountain View Dairy

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LLCS 885-12781/41-A	Client Sample ID: Lab Control Sample
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 13049	Prep Batch: 12781

	Spike	LLCS	LLCS			%Rec
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits
Nitrogen, Total Kieldahl	0.500	0.589	ma/L		118	50 - 150

10/3/2024

Job ID: 885-12317-1

Client: EA Engineering Project/Site: Mountain View Dairy

HPLC/IC

Analysis Batch: 12831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12317-1	70-Lagoon	Total/NA	Water	300.0	
MB 885-12831/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12831/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12831/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 12832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12317-1	70-Lagoon	Total/NA	Water	300.0	
MB 885-12832/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12832/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12832/3	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 12885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12317-1	70-Lagoon	Total Recoverable	Water	200.2	
MB 885-12885/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-12885/6-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-12885/5-A	Lab Control Sample	Total Recoverable	Water	200.2	

Analysis Batch: 13377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12317-1	70-Lagoon	Total Recoverable	Water	200.7 Rev 4.4	12885
MB 885-12885/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	12885
LCS 885-12885/6-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	12885
LLCS 885-12885/5-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	12885
MRL 885-13377/30	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

General Chemistry

Prep Batch: 12781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12317-1	70-Lagoon	Total/NA	Water	351.2	
MB 885-12781/40-A	Method Blank	Total/NA	Water	351.2	
LCS 885-12781/42-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-12781/41-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 13049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12317-1	70-Lagoon	Total/NA	Water	351.2	12781
MB 885-12781/40-A	Method Blank	Total/NA	Water	351.2	12781
LCS 885-12781/42-A	Lab Control Sample	Total/NA	Water	351.2	12781
LLCS 885-12781/41-A	Lab Control Sample	Total/NA	Water	351.2	12781

Analysis Batch: 13154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12317-1	70-Lagoon	Total/NA	Water	2540C	<u> </u>
MB 885-13154/1	Method Blank	Total/NA	Water	2540C	
LCS 885-13154/2	Lab Control Sample	Total/NA	Water	2540C	

Eurofins Albuquerque

10/3/2024

Lab Chronicle

Client: EA Engineering Job ID: 885-12317-1

Project/Site: Mountain View Dairy

Client Sample ID: 70-Lagoon

Lab Sample ID: 885-12317-1 Date Collected: 09/20/24 11:16

Matrix: Water

Date Received: 09/21/24 09:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	12831	JT	EET ALB	09/23/24 17:56
Total/NA	Analysis	300.0		10	12832	JT	EET ALB	09/24/24 03:47
Total Recoverable	Prep	200.2			12885	JF	EET ALB	09/24/24 12:11
Total Recoverable	Analysis	200.7 Rev 4.4		1	13377	JR	EET ALB	09/30/24 12:38
Total/NA	Analysis	2540C		1	13154	ES	EET ALB	09/27/24 09:55
Total/NA	Prep	351.2			12781	HR	EET ALB	09/23/24 13:39
Total/NA	Analysis	351.2		5	13049	HR	EET ALB	09/25/24 18:08

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-12317-1

Project/Site: Mountain View Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date					
New Mexico	State		NM9425, NM0901	02-26-25					
	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analyte					
Analysis Method	Prep Method	Matrix	Analyte						
200.7 Rev 4.4	200.2	Water	/ater Sulfur						
2540C		Water	Total Dissolved Solids	Total Dissolved Solids					
300.0		Water	Chloride						
300.0		Water	Nitrate Nitrite as N	Nitrate Nitrite as N					
351.2	351.2	Water	Water Nitrogen, Total Kjeldahl						
Dregon	NELA	P	NM100001	02-26-25					
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analyt					
Analysis Method	Prep Method	Matrix	Analyte						
200.7 Rev 4.4	200.2	Water	Sulfur						
351.2	351.2	Water	Nitrogen, Total Kjeldahl						

4

0

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Client: EA Engineering Job Number: 885-12317-1

Login Number: 12317 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Creator. McQuiston, Steven		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

Generated 10/3/2024 1:08:39 PM

JOB DESCRIPTION

Sunset Dairy

JOB NUMBER

885-12315-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Page 2 of 14

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Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

10/3/2024

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Client: EA Engineering Project/Site: Sunset Dairy

Laboratory Job ID: 885-12315-1

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7

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Definitions/Glossary

Client: EA Engineering Job ID: 885-12315-1

Project/Site: Sunset Dairy

Glossary

MDA

MDC

Abbreviation	These commonly used abbreviations may or may not be present in this report.			
n	Listed under the "D" column to designate that the result is reported on a dry weight basis			
%R	Percent Recovery			
CFL	Contains Free Liquid			
CFU	Colony Forming Unit			
CNF	Contains No Free Liquid			
DER	Duplicate Error Ratio (normalized absolute difference)			
Dil Fac	Dilution Factor			
DL	Detection Limit (DoD/DOE)			
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample			
DLC	Decision Level Concentration (Radiochemistry)			
EDL	Estimated Detection Limit (Dioxin)			
LOD	Limit of Detection (DoD/DOE)			
LOQ	Limit of Quantitation (DoD/DOE)			
MCL	EPA recommended "Maximum Contaminant Level"			

Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry)

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Albuquerque

10/3/2024

Case Narrative

Client: EA Engineering Project: Sunset Dairy

Job ID: 885-12315-1 Eurofins Albuquerque

Job Narrative 885-12315-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/21/2024 9:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

Receipt Exceptions

The reference method requires samples to be preserved to a pH of <2. The following sample: 1B was received with insufficient preservation at a pH of >2. The sample was delivered to the Wet Chemistry department with insufficient preservation.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 885-12315-1

_

4 6

Client Sample Results

Client: EA Engineering Job ID: 885-12315-1

Project/Site: Sunset Dairy

Client Sample ID: 257-Lagoon

Date Collected: 09/20/24 13:05 Date Received: 09/21/24 09:50 Lab Sample ID: 885-12315-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		50	mg/L			09/23/24 15:25	100
Nitrate Nitrite as N	3.9		2.0	mg/L			09/24/24 03:02	10
 Method: EPA 200.7 Rev 4.4 - Metal	s (ICP) - Tota	l Recoverable)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfur	240		10	mg/L		09/24/24 12:11	09/30/24 12:31	1
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7500		2500	mg/L			09/27/24 09:55	1

7

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Client: EA Engineering Project/Site: Sunset Dairy Job ID: 885-12315-1

Client Sample ID: Method Blank

Client Sample ID: Method Blank

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12831/4

Matrix: Water

Analyte

Chloride

Analysis Batch: 12831

Prep Type: Total/NA

MB MB Result Qualifier RLUnit D Prepared Analyzed Dil Fac ND 0.50 mg/L 09/23/24 14:09

Lab Sample ID: LCS 885-12831/5 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12831

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 5.00 4.66 mg/L 93 90 - 110

Lab Sample ID: MRL 885-12831/3 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12831

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.536 mg/L 107 50 - 150

Lab Sample ID: MB 885-12832/4

Matrix: Water

Analysis Batch: 12832

мв мв

Result Qualifier RL Unit Analyte D Prepared Analyzed Dil Fac 0.20 Nitrate Nitrite as N ND 09/23/24 14:09 mg/L

Lab Sample ID: LCS 885-12832/5 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 12832

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Nitrate	2.50	2.47		mg/L		99	90 - 110
Nitrite	1.00	0.920		mg/L		92	90 - 110
Nitrate Nitrite as N	3.50	3.39		mg/L		97	90 - 110

Lab Sample ID: MRL 885-12832/3 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 12832

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	0.100	0.102		mg/L		102	50 - 150	
Nitrite	0.0999	0.102		mg/L		102	50 - 150	
Nitrate Nitrite as N	0.200	0.204		mg/L		102	50 - 150	

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MRL 885-13377/30 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 13377

MRL MRL Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits 1.00 Sulfur ND 50 - 150 mg/L 79

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Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client: EA Engineering Project/Site: Sunset Dairy Job ID: 885-12315-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 885-12885/1-A

Matrix: Water

Analysis Batch: 13377

Client Sample ID: Method Blank **Prep Type: Total Recoverable**

Prep Batch: 12885

MB MB

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Sulfur ND 1.0 mg/L 09/24/24 12:11 09/30/24 11:14

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 885-12885/6-A

Matrix: Water

Analysis Batch: 13377

Prep Type: Total Recoverable

Prep Batch: 12885

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Sulfur 50.0 50.5 mg/L 101 85 - 115

Client Sample ID: Lab Control Sample

Lab Sample ID: LLCS 885-12885/5-A

Matrix: Water

Analysis Batch: 13377

Prep Type: Total Recoverable

Prep Batch: 12885

Spike LLCS LLCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Sulfur 1.00 ND mg/L 50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-13154/1

Matrix: Water

Analysis Batch: 13154

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte Result

Total Dissolved Solids ND

Qualifier 50

mq/L

ma/L

Prepared

Unit

Dil Fac Analyzed 09/27/24 09:55

Prep Type: Total/NA

Lab Sample ID: LCS 885-13154/2

Matrix: Water

Analysis Batch: 13154

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Total Dissolved Solids 1000 1020 102 80 - 120 mg/L

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-12781/40-A

Matrix: Water

Analysis Batch: 13049

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12781

MR MR

мв мв

Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrogen, Total Kjeldahl ND 0.50 mg/L 09/23/24 13:39 09/25/24 17:38

10.0

Lab Sample ID: LCS 885-12781/42-A

Matrix: Water

Nitrogen, Total Kjeldahl

Analysis Batch: 13049

Client Sample ID: Lab Control Sample Prep Type: Total/NA

90 - 110

100

Prep Batch: 12781

Spike LCS LCS %Rec Added Result Qualifier Limits Unit %Rec

10.0

10/3/2024

QC Sample Results

Client: EA Engineering Job ID: 885-12315-1

Project/Site: Sunset Dairy

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LLCS 885-12781/41-A	Client Sample ID: Lab Control Sample
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 13049	Prep Batch: 12781

•	Spike	LLCS	LLCS			%Rec
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits
Nitrogen, Total Kjeldahl	0.500	0.589	mg/L		118	50 - 150

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QC Association Summary

Client: EA Engineering
Project/Site: Sunset Dairy

HPLC/IC

Analysis Batch: 12831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
885-12315-1	257-Lagoon	Total/NA	Water	300.0
MB 885-12831/4	Method Blank	Total/NA	Water	300.0
LCS 885-12831/5	Lab Control Sample	Total/NA	Water	300.0
MRL 885-12831/3	Lab Control Sample	Total/NA	Water	300.0

Analysis Batch: 12832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12315-1	257-Lagoon	Total/NA	Water	300.0	
MB 885-12832/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12832/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12832/3	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 12885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12315-1	257-Lagoon	Total Recoverable	Water	200.2	
MB 885-12885/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-12885/6-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-12885/5-A	Lab Control Sample	Total Recoverable	Water	200.2	

Analysis Batch: 13377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12315-1	257-Lagoon	Total Recoverable	Water	200.7 Rev 4.4	12885
MB 885-12885/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	12885
LCS 885-12885/6-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	12885
LLCS 885-12885/5-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	12885
MRL 885-13377/30	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

General Chemistry

Prep Batch: 12781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12315-1	257-Lagoon	Total/NA	Water	351.2	
MB 885-12781/40-A	Method Blank	Total/NA	Water	351.2	
LCS 885-12781/42-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-12781/41-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 13049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12315-1	257-Lagoon	Total/NA	Water	351.2	12781
MB 885-12781/40-A	Method Blank	Total/NA	Water	351.2	12781
LCS 885-12781/42-A	Lab Control Sample	Total/NA	Water	351.2	12781
LLCS 885-12781/41-A	Lab Control Sample	Total/NA	Water	351.2	12781

Analysis Batch: 13154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12315-1	257-Lagoon	Total/NA	Water	2540C	
MB 885-13154/1	Method Blank	Total/NA	Water	2540C	
LCS 885-13154/2	Lab Control Sample	Total/NA	Water	2540C	

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Job ID: 885-12315-1

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Lab Chronicle

Client: EA Engineering Job ID: 885-12315-1

Project/Site: Sunset Dairy

Client Sample ID: 257-Lagoon

Date Collected: 09/20/24 13:05 Date Received: 09/21/24 09:50 Lab Sample ID: 885-12315-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	12831	JT	EET ALB	09/23/24 15:25
Total/NA	Analysis	300.0		10	12832	JT	EET ALB	09/24/24 03:02
Total Recoverable	Prep	200.2			12885	JF	EET ALB	09/24/24 12:11
Total Recoverable	Analysis	200.7 Rev 4.4		1	13377	JR	EET ALB	09/30/24 12:31
Total/NA	Analysis	2540C		1	13154	ES	EET ALB	09/27/24 09:55
Total/NA	Prep	351.2			12781	HR	EET ALB	09/23/24 13:39
Total/NA	Analysis	351.2		10	13049	HR	EET ALB	09/25/24 18:16

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-12315-1

Project/Site: Sunset Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analyte
Analysis Method	Prep Method	Matrix	Analyte	
200.7 Rev 4.4	200.2	Water	Sulfur	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Dregon	NELA	P	NM100001	02-26-25
• .	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analyt
Analysis Method	Prep Method	Matrix	Analyte	
200.7 Rev 4.4	200.2	Water	Sulfur	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-12315-1

Login Number: 12315 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

10/3/2024

ANALYTICAL REPORT

PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

Generated 9/12/2024 8:07:01 AM

JOB DESCRIPTION

Mountain View Dairy

JOB NUMBER

885-10273-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/12/2024 8:07:01 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975 _

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9/12/2024

Client: EA Engineering Laboratory Job ID: 885-10273-1 Project/Site: Mountain View Dairy

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Definitions/Glossary

Client: EA Engineering Job ID: 885-10273-1

Project/Site: Mountain View Dairy

Qualifiers

HPLC/IC

Qualifier Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Glossary

DL, RA, RE, IN

Abbreviation	These commonly used abbreviations may or may not be present in this report.								
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis								
%R	Percent Recovery								
CFL	Contains Free Liquid								
CFU	Colony Forming Unit								
CNF	Contains No Free Liquid								
DER	Duplicate Error Ratio (normalized absolute difference)								
Dil Fac	Dilution Factor								
DL	Detection Limit (DoD/DOE)								

DLC Decision Level Concentration (Radiochemistry)
EDL Estimated Detection Limit (Dioxin)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: EA Engineering Project: Mountain View Dairy

Job ID: 885-10273-1 **Eurofins Albuquerque**

Job Narrative 885-10273-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/21/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C.

HPLC/IC

Method 300 OF 48H PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 885-10753 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or nonhomogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300 OF 48H PREC: The following samples were diluted due to the nature of the sample matrix: 70-03 (885-10273-1), 70-01 (885-10273-2), 70-02 (885-10273-3) and 70-04 (885-10273-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Job ID: 885-10273-1

Client: EA Engineering Job ID: 885-10273-1

Project/Site: Mountain View Dairy

Client Sample ID: 70-03 Date Collected: 08/20/24 10:10

Date Received: 08/21/24 09:40

Lab Sample ID: 885-10273-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion C	hromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		50	mg/L			08/21/24 12:36	100
Nitrate	38		1.0	mg/L			08/21/24 11:59	10
Nitrite	ND	F1	1.0	mg/L			08/21/24 11:59	10
Sulfate	840		50	mg/L			08/21/24 12:36	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5000		500	mg/L			08/27/24 11:49	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		08/27/24 09:39	08/29/24 12:46	1

Client: EA Engineering Job ID: 885-10273-1

Project/Site: Mountain View Dairy

Client Sample ID: 70-01

351.2)

Lab Sample ID: 885-10273-2

Matrix: Water

Date Collected: 08/20/24 11:58 Date Received: 08/21/24 09:40

	•	-						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	650		50	mg/L			08/21/24 13:01	100
Nitrate	13		1.0	mg/L			08/21/24 12:48	10
Nitrite	ND		1.0	mg/L			08/21/24 12:48	10
Sulfate	750		50	mg/L			08/21/24 13:01	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3100		250	mg/L			08/27/24 11:49	1
Nitrogen, Total Kjeldahl (EPA	0.66		0.50	mg/L		08/27/24 09:39	08/29/24 12:47	1

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9/12/2024

Client: EA Engineering Job ID: 885-10273-1

Project/Site: Mountain View Dairy

Client Sample ID: 70-02

Lab Sample ID: 885-10273-3

Matrix: Water

Date Collected: 08/20/24 13:51 Date Received: 08/21/24 09:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	650		50	mg/L			08/21/24 13:50	100
Nitrate	13		1.0	mg/L			08/21/24 13:38	10
Nitrite	ND		1.0	mg/L			08/21/24 13:38	10
Sulfate	760		50	mg/L			08/21/24 13:50	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3100		500	mg/L			08/27/24 11:49	1
Nitrogen, Total Kjeldahl (EPA 351.2)	1.2		0.50	mg/L		08/27/24 09:39	08/29/24 12:49	1

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Client: EA Engineering Job ID: 885-10273-1

Project/Site: Mountain View Dairy

Client Sample ID: 70-04

Nitrogen, Total Kjeldahl (EPA 351.2)

Lab Sample ID: 885-10273-4

08/29/24 12:50

Matrix: Water

Date Collected: 08/20/24 15:20
Date Received: 08/21/24 09:40

ND

_ _ _

Method: EPA 300.0 - Anions, Ion (Chromatograpi	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		50	mg/L			08/21/24 14:15	100
Nitrate	23		1.0	mg/L			08/21/24 14:03	10
Nitrite	ND		1.0	mg/L			08/21/24 14:03	10
Sulfate	680		50	mg/L			08/21/24 14:15	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700		500	mg/L			08/27/24 11:49	1

0.50

mg/L

08/27/24 09:39

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Client: EA Engineering

Project/Site: Mountain View Dairy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10752/3

Matrix: Water

Analysis Batch: 10752

Client Sample ID: Method Blank

Prep Type: Total/NA

Job ID: 885-10273-1

MB MB Unit Dil Fac Analyte Result Qualifier RL Prepared Analyzed Chloride ND 0.50 mg/L 08/21/24 11:22 Sulfate ND 0.50 mg/L 08/21/24 11:22

Lab Sample ID: LCS 885-10752/5 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10752

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.00	4.59		mg/L		92	90 - 110	
Sulfate	10.0	9.03		mg/L		90	90 - 110	

Lab Sample ID: MRL 885-10752/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10752

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	0.500	0.517		mg/L		103	50 - 150	
Sulfate	0.500	0.447	J	mg/L		89	50 - 150	

Lab Sample ID: MB 885-10753/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10753

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	mg/L			08/21/24 11:22	1
Nitrite	ND		0.10	mg/L			08/21/24 11:22	1

Lab Sample ID: LCS 885-10753/5 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10753

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate		2.50	2.39		mg/L		96	90 - 110		_
Nitrite		1.00	0.913		mg/L		91	90 - 110		

Lab Sample ID: MRL 885-10753/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10753

	Spike	MRL	MRL			%Rec	
Analyte	Added	Result	Qualifier	Unit D	%Rec	Limits	
Nitrate	0.100	0.0830	J	mg/L	83	50 - 150	
Nitrite	0.0999	0.104		mg/L	104	50 - 150	

Lab Sample ID: 885-10273-1 MS Client Sample ID: 70-03 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10753

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate	38	-	25.0	62.1		mg/L		98	80 - 120	

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Job ID: 885-10273-1

Client: EA Engineering

Project/Site: Mountain View Dairy

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-10273-1 MSD Client Sample ID: 70-03 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10753

	,	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
l	Nitrate	38		25.0	60.9		mg/L		93	80 - 120	2	20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11107/1 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

Analysis Batch: 11107

Nitrogen, Total Kjeldahl

MB MB Result Qualifier RL Unit Dil Fac D Prepared Analyzed 50 08/27/24 11:49 **Total Dissolved Solids** ND mg/L

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 885-11107/2 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11107

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec

Limits Total Dissolved Solids 1000 996 mg/L 80 - 120

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11089/51-A Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA **Analysis Batch: 11401** Prep Batch: 11089

мв мв Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed 0.50 08/27/24 13:46 Nitrogen, Total Kjeldahl ND mg/L 08/29/24 12:10

Lab Sample ID: LCS 885-11089/53-A Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA **Analysis Batch: 11401** Prep Batch: 11089

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits

10.0

10.5

mg/L

105

90 - 110

Lab Sample ID: LLCS 885-11089/52-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11401 Prep Batch: 11089 Spike LLCS LLCS %Rec

Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 0.500 0.519 104 50 - 150 mg/L

QC Association Summary

Client: EA Engineering

Job ID: 885-10273-1 Project/Site: Mountain View Dairy

HPLC/IC

Analysis Batch: 10752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10273-1	70-03	Total/NA	Water	300.0	
885-10273-2	70-01	Total/NA	Water	300.0	
885-10273-3	70-02	Total/NA	Water	300.0	
885-10273-4	70-04	Total/NA	Water	300.0	
MB 885-10752/3	Method Blank	Total/NA	Water	300.0	
LCS 885-10752/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10752/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
885-10273-1	70-03	Total/NA	Water	300.0	
885-10273-2	70-01	Total/NA	Water	300.0	
885-10273-3	70-02	Total/NA	Water	300.0	
885-10273-4	70-04	Total/NA	Water	300.0	
MB 885-10753/3	Method Blank	Total/NA	Water	300.0	
LCS 885-10753/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10753/4	Lab Control Sample	Total/NA	Water	300.0	
885-10273-1 MS	70-03	Total/NA	Water	300.0	
885-10273-1 MSD	70-03	Total/NA	Water	300.0	

General Chemistry

Prep Batch: 11089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10273-1	70-03	Total/NA	Water	351.2	
885-10273-2	70-01	Total/NA	Water	351.2	
885-10273-3	70-02	Total/NA	Water	351.2	
885-10273-4	70-04	Total/NA	Water	351.2	
MB 885-11089/51-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11089/53-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11089/52-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 11107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10273-1	70-03	Total/NA	Water	2540C	
885-10273-2	70-01	Total/NA	Water	2540C	
885-10273-3	70-02	Total/NA	Water	2540C	
885-10273-4	70-04	Total/NA	Water	2540C	
MB 885-11107/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11107/2	Lab Control Sample	Total/NA	Water	2540C	

Analysis Batch: 11401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10273-1	70-03	Total/NA	Water	351.2	11089
885-10273-2	70-01	Total/NA	Water	351.2	11089
885-10273-3	70-02	Total/NA	Water	351.2	11089
885-10273-4	70-04	Total/NA	Water	351.2	11089
MB 885-11089/51-A	Method Blank	Total/NA	Water	351.2	11089
LCS 885-11089/53-A	Lab Control Sample	Total/NA	Water	351.2	11089
LLCS 885-11089/52-A	Lab Control Sample	Total/NA	Water	351.2	11089

Eurofins Albuquerque

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Client: EA Engineering

Project/Site: Mountain View Dairy

Client Sample ID: 70-03

Lab Sample ID: 885-10273-1 Date Collected: 08/20/24 10:10

Matrix: Water

Date Received: 08/21/24 09:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10753	RC	EET ALB	08/21/24 11:59
Total/NA	Analysis	300.0		100	10752	RC	EET ALB	08/21/24 12:36
Total/NA	Analysis	2540C		1	11107	ES	EET ALB	08/27/24 11:49
Total/NA	Prep	351.2			11089	HR	EET ALB	08/27/24 09:39
Total/NA	Analysis	351.2		1	11401	DL	EET ALB	08/29/24 12:46

Client Sample ID: 70-01

Lab Sample ID: 885-10273-2

Date Collected: 08/20/24 11:58 Date Received: 08/21/24 09:40

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10753	RC	EET ALB	08/21/24 12:48
Total/NA	Analysis	300.0		100	10752	RC	EET ALB	08/21/24 13:01
Total/NA	Analysis	2540C		1	11107	ES	EET ALB	08/27/24 11:49
Total/NA	Prep	351.2			11089	HR	EET ALB	08/27/24 09:39
Total/NA	Analysis	351.2		1	11401	DL	EET ALB	08/29/24 12:47

Client Sample ID: 70-02

Lab Sample ID: 885-10273-3

Matrix: Water

Date Collected: 08/20/24 13:51 Date Received: 08/21/24 09:40

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10753	RC	EET ALB	08/21/24 13:38
Total/NA	Analysis	300.0		100	10752	RC	EET ALB	08/21/24 13:50
Total/NA	Analysis	2540C		1	11107	ES	EET ALB	08/27/24 11:49
Total/NA	Prep	351.2			11089	HR	EET ALB	08/27/24 09:39
Total/NA	Analysis	351.2		1	11401	DL	EET ALB	08/29/24 12:49

Client Sample ID: 70-04

Lab Sample ID: 885-10273-4

Matrix: Water

Date Collected: 08/20/24 15:20 Date Received: 08/21/24 09:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10753	RC	EET ALB	08/21/24 14:03
Total/NA	Analysis	300.0		100	10752	RC	EET ALB	08/21/24 14:15
Total/NA	Analysis	2540C		1	11107	ES	EET ALB	08/27/24 11:49
Total/NA	Prep	351.2			11089	HR	EET ALB	08/27/24 09:39
Total/NA	Analysis	351.2		1	11401	DL	EET ALB	08/29/24 12:50

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-10273-1

Project/Site: Mountain View Dairy

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority	Progr	am	Identification Number	Expiration Date
ew Mexico	State		NM9425, NM0901	02-26-25
The following analytes	are included in this report, bu	ıt the laboratory is not certif	fied by the governing authority. This lis	t may include analyt
for which the agency de	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
300.0		Water	Sulfate	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
egon	NELA	P	NM100001	02-26-25
The following analytes	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analy
	oes not offer certification.	,	, , ,	,
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

	ANALYSIS LABOR	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 8710 885-10273 COC	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	0008		а	0 C WO	7 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A ZE FPA	HEAL No. TIKN 35 Chlorid TDS 51 Fhosph Phosph Total 5	- XXXXX	7 X X X X X Y	2 XXXX °					Time Remarks:	Time
Turn-Around Time:	☐ Standard □ Rush	Project Name:	Jountain View Dairy	Project #:		Project Manager:	Gina Mullen		Sampler: Angel 11-12 was		Cooler Temp(including cF):	Container Preservative HE	8	8	7	2				Received by: Via: Pate	Received by: Via: Date
Chain-of-Custody Record					505-715-4279	en@eaest.com		☐ Level 4 (Full Validation)	mpliance)	Sample Name	2 70-03	-	20-07 "	ho-o€ 1				Relinguished by:	Relinquished by:
Chain-of-	Client:	EA Engineering, Science, and Technology	Mailing Address:	320 Gold Ave SW Suite	Phone #: 505-7	Fax#:	QA/QC Package:	□ Standard	Accreditation:	(be)		Date Time Matrix	8-20 10:10 GJ	8-20 11:58 Gw	8-20 13:51 GW	8-20 15:20 GW				Time: .0 (6:5 0	Date: Time: Reling

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Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-10273-1

Login Number: 10273 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

····		
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Lisa Vulpas Glorieta GeoScience A Divison of GZA PO BOX 5727 Santa Fe, New Mexico 87502

Generated 9/12/2024 10:04:09 AM

JOB DESCRIPTION

Organ Dairy

JOB NUMBER

885-10106-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/12/2024 10:04:09 AM

Authorized for release by Jackie Bolte, Project Manager jackie.bolte@et.eurofinsus.com (505)345-3975

Page 2 of 15 9/12/2024

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Client: Glorieta GeoScience A Divison of GZA Project/Site: Organ Dairy

Laboratory Job ID: 885-10106-1

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Definitions/Glossary

Client: Glorieta GeoScience A Divison of GZA

Job ID: 885-10106-1 Project/Site: Organ Dairy

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Н Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements. Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid Colony Forming Unit CFU **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

Not Calculated NC

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RLReporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Glorieta GeoScience A Divison of GZA

Project: Organ Dairy

Job ID: 885-10106-1 Eurofins Albuquerque

Job Narrative 885-10106-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/16/2024 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 15.5°C.

Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 351.2: The matrix spike (MS) recoveries for preparation batch 885-11351 and analytical batch 885-11472 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 885-10106-1

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Client: Glorieta GeoScience A Divison of GZA

Project/Site: Organ Dairy

Client Sample ID: MW-126-13 Lab Sample ID: 885-10106-1

Date Collected: 08/16/24 08:25

Matrix: Water

Date Received: 08/16/24 17:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	650		50	mg/L			08/20/24 14:29	100
Nitrate	13	Н	1.0	mg/L			08/20/24 13:52	10
Sulfate	750		50	mg/L			08/20/24 14:29	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3100		500	mg/L			08/22/24 08:13	1
Nitrogen, Total Kjeldahl (EPA 351.2)	0.56		0.50	mg/L		08/29/24 14:31	08/30/24 12:59	1

Job ID: 885-10106-1

Client: Glorieta GeoScience A Divison of GZA

Project/Site: Organ Dairy

Client Sample ID: MW-126-12

Lab Sample ID: 885-10106-2

08/30/24 13:44

08/29/24 14:31

Matrix: Water

Job ID: 885-10106-1

Date Collected: 08/16/24 09:05 Date Received: 08/16/24 17:00

Nitrogen, Total Kjeldahl (EPA

351.2)

Method: EPA 300.0 - Anions, Ion Cl Analyte	• •	ohy Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	- Nesuit	Qualifier				riepaieu		
Chloride	510		50	mg/L			08/20/24 14:54	100
Nitrate	5.1	Н	1.0	mg/L			08/20/24 14:42	10
Sulfate	500		50	mg/L			08/20/24 14:54	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2400		500	ma/L			08/22/24 08:13	1

0.50

0.90 F1

mg/L

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Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: MW-126-13

Client Sample ID: MW-126-13

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client: Glorieta GeoScience A Divison of GZA

Project/Site: Organ Dairy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10675/4

Matrix: Water

Analyte

Nitrate

Analysis Batch: 10675

Client Sample ID: Method Blank Prep Type: Total/NA

мв мв Result Qualifier RLUnit D Prepared Analyzed Dil Fac ND 0.10 mg/L 08/20/24 10:59

Lab Sample ID: LCS 885-10675/5

Matrix: Water

Analysis Batch: 10675

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Nitrate 2.50 2.43 mg/L 97 90 - 110

Lab Sample ID: MRL 885-10675/3

Matrix: Water

Analysis Batch: 10675

MRL MRL Spike %Rec Added Result Qualifier Unit %Rec Limits Nitrate 0.100 0.0886 mg/L 50 - 150

Lab Sample ID: 885-10106-1 MS

Matrix: Water

Analysis Batch: 10675

MS MS Sample Sample Spike %Rec Result Qualifier Added %Rec Analyte Result Qualifier Unit Limits Nitrate 13 H 25.0 37.6 100 80 - 120 mg/L

Lab Sample ID: 885-10106-1 MSD

Matrix: Water

Analysis Batch: 10675

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 13 H 25.0 Nitrate 37.1 mg/L 98 80 - 120

Lab Sample ID: MB 885-10676/4

Matrix: Water

Analysis Batch: 10676

Prep Type: Total/NA

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride ND 0.50 mg/L 08/20/24 10:59 Sulfate ND 0.50 mg/L 08/20/24 10:59

MB MB

Lab Sample ID: LCS 885-10676/5

Matrix: Water

Analysis Batch: 10676								
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.00	4.64		mg/L		93	90 - 110	
Sulfate	10.0	9.16		mg/L		92	90 - 110	

Eurofins Albuquerque

Prep Type: Total/NA

Client: Glorieta GeoScience A Divison of GZA

Project/Site: Organ Dairy

Method: 300.0 - Anions, Ion Chromatography (Continue	d)
--	----

Lab Sample ID: MRL 885-10676/3

Matrix: Water

Analysis Batch: 10676

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Spike MRL MRL %Rec Added Analyte Result Qualifier %Rec Limits Unit Chloride 0.500 0.515 mg/L 103 50 - 150 Sulfate 0.500 0.443 J mg/L 89 50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Client Sample ID: Method Blank Lab Sample ID: MB 885-10751/1 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10751

мв мв

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed 50 08/22/24 08:13 Total Dissolved Solids ND mg/L

Lab Sample ID: LCS 885-10751/2 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 10751

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Total Dissolved Solids 1000 1030 103 80 - 120 mg/L

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11351/30-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 11472

MR MR

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac ND 0.50 08/29/24 14:31 08/30/24 13:37 Nitrogen, Total Kjeldahl mg/L

Lab Sample ID: MB 885-11351/3-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 11472

MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Nitrogen, Total Kjeldahl ND 0.50 08/29/24 14:31 08/30/24 12:50 mg/L

Lab Sample ID: LCS 885-11351/32-A Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA **Analysis Batch: 11472** Prep Batch: 11351

LCS LCS Spike %Rec babbA Analyte Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 10.0 9.84 mg/L 98 90 - 110

Lab Sample ID: LCS 885-11351/5-A Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 11472 Prep Batch: 11351 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 10.0 9.97 100 90 - 110 mg/L

Eurofins Albuquerque

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 11351

Prep Batch: 11351

QC Sample Results

Client: Glorieta GeoScience A Divison of GZA

Job ID: 885-10106-1

Project/Site: Organ Dairy

Nitrogen, Total Kjeldahl

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LLCS 885-11351/31-A			Client Sample ID: Lab Control Sample
Matrix: Water			Prep Type: Total/NA
Analysis Batch: 11472			Prep Batch: 11351
	Spike	LLCS LLCS	%Rec

	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	0.500	0.522		mg/L		104	50 - 150	

Lab Sample ID: LLCS 885-11351/4	I-A				Client	Sample	e ID: Lab Co	ntrol Sample
Matrix: Water							Prep Ty	ype: Total/NA
Analysis Batch: 11472							Prep	Batch: 11351
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	

ND

0.500

Lab Sample ID: 885-10106-2 MS								Client	Sample ID: MW-126-12
Matrix: Water									Prep Type: Total/NA
Analysis Batch: 11472									Prep Batch: 11351
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits

Nitrogen, Total Kjeldahl	0.90	F1	10.0	9.80	F1	mg/L	89	90 - 110	
Г									
Lab Sample ID: 885-10106-2 M	SD						Clie	nt Sample IL	D: MW-126-12
Matrix: Water								Prep T	ype: Total/NA
Analysis Batch: 11472								Prep	Batch: 11351

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrogen, Total Kjeldahl	0.90	F1	10.0	10.3		mg/L		94	90 - 110	5	20

50 - 150

QC Association Summary

Client: Glorieta GeoScience A Divison of GZA

Project/Site: Organ Dairy

Job ID: 885-10106-1

HPLC/IC

Analysis Batch: 10675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10106-1	MW-126-13	Total/NA	Water	300.0	
885-10106-2	MW-126-12	Total/NA	Water	300.0	
MB 885-10675/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10675/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10675/3	Lab Control Sample	Total/NA	Water	300.0	
885-10106-1 MS	MW-126-13	Total/NA	Water	300.0	
885-10106-1 MSD	MW-126-13	Total/NA	Water	300.0	

Analysis Batch: 10676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bat
885-10106-1	MW-126-13	Total/NA	Water	300.0	
885-10106-2	MW-126-12	Total/NA	Water	300.0	
MB 885-10676/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10676/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10676/3	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 10751

Lab Sample	D Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10106-1	MW-126-13	Total/NA	Water	2540C	
885-10106-2	MW-126-12	Total/NA	Water	2540C	
MB 885-1075	1/1 Method Blank	Total/NA	Water	2540C	
LCS 885-107	51/2 Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 11351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10106-1	MW-126-13	Total/NA	Water	351.2	<u> </u>
885-10106-2	MW-126-12	Total/NA	Water	351.2	
MB 885-11351/30-A	Method Blank	Total/NA	Water	351.2	
MB 885-11351/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11351/32-A	Lab Control Sample	Total/NA	Water	351.2	
LCS 885-11351/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11351/31-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11351/4-A	Lab Control Sample	Total/NA	Water	351.2	
885-10106-2 MS	MW-126-12	Total/NA	Water	351.2	
885-10106-2 MSD	MW-126-12	Total/NA	Water	351.2	

Analysis Batch: 11472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10106-1	MW-126-13	Total/NA	Water	351.2	11351
885-10106-2	MW-126-12	Total/NA	Water	351.2	11351
MB 885-11351/30-A	Method Blank	Total/NA	Water	351.2	11351
MB 885-11351/3-A	Method Blank	Total/NA	Water	351.2	11351
LCS 885-11351/32-A	Lab Control Sample	Total/NA	Water	351.2	11351
LCS 885-11351/5-A	Lab Control Sample	Total/NA	Water	351.2	11351
LLCS 885-11351/31-A	Lab Control Sample	Total/NA	Water	351.2	11351
LLCS 885-11351/4-A	Lab Control Sample	Total/NA	Water	351.2	11351
885-10106-2 MS	MW-126-12	Total/NA	Water	351.2	11351
885-10106-2 MSD	MW-126-12	Total/NA	Water	351.2	11351

Eurofins Albuquerque

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Lab Chronicle

Client: Glorieta GeoScience A Divison of GZA

Project/Site: Organ Dairy

Client Sample ID: MW-126-13

Date Collected: 08/16/24 08:25 Date Received: 08/16/24 17:00

Lab Sample ID: 885-10106-1

Matrix: Water

Job ID: 885-10106-1

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** Lab or Analyzed Total/NA 300.0 08/20/24 13:52 Analysis 10 10675 JT **EET ALB** Total/NA Analysis 300.0 100 10676 EH **EET ALB** 08/20/24 14:29 Total/NA Analysis 2540C 10751 ES **EET ALB** 08/22/24 08:13 1 351.2 **EET ALB** 08/29/24 14:31 Total/NA Prep 11351 DL Total/NA Analysis 351.2 11472 MA **EET ALB** 08/30/24 12:59 1

Client Sample ID: MW-126-12

Date Collected: 08/16/24 09:05 Date Received: 08/16/24 17:00

Lab Sample ID: 885-10106-2

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	10675	JT	EET ALB	08/20/24 14:42
Total/NA	Analysis	300.0		100	10676	EH	EET ALB	08/20/24 14:54
Total/NA	Analysis	2540C		1	10751	ES	EET ALB	08/22/24 08:13
Total/NA	Prep	351.2			11351	DL	EET ALB	08/29/24 14:31
Total/NA	Analysis	351.2		1	11472	MA	EET ALB	08/30/24 13:44

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Glorieta GeoScience A Divison of GZA

Project/Site: Organ Dairy

Job ID: 885-10106-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date	
New Mexico	State		NM9425, NM0901	02-26-25	
The following analytes	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analyte	
for which the agency de	oes not offer certification.				
Analysis Method	Prep Method	Matrix	Analyte		
2540C		Water	Total Dissolved Solids		
300.0		Water	Chloride		
300.0		Water	Nitrate		
300.0		Water	Sulfate		
351.2	351.2	Water	Nitrogen, Total Kjeldahl		
Oregon	NELA	P	NM100001	02-26-25	
The following analytes	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analyte	
for which the agency d	oes not offer certification.				
Analysis Method	Prep Method	Matrix	Analyte		
351.2	351.2	Water	Nitrogen, Total Kjeldahl		

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Login Sample Receipt Checklist

Client: Glorieta GeoScience A Divison of GZA

Job Number: 885-10106-1

Login Number: 10106 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Creator. McQuiston, Steven		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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PREPARED FOR

Attn: Regina Mullen EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, New Mexico 87102

ANALYTICAL REPORT

Generated 9/19/2024 11:57:08 AM

JOB DESCRIPTION

Sunset Dairy

JOB NUMBER

885-11075-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 9/19/2024 11:57:08 AM

Authorized for release by Colleen McNamara, Project Manager colleen.McNamara@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Project/Site: Sunset Dairy

Laboratory Job ID: 885-11075-1

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Definitions/Glossary

Client: EA Engineering Job ID: 885-11075-1

Project/Site: Sunset Dairy

Qualifiers

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Qualifier Qualifier Description

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: EA Engineering Project: Sunset Dairy

Job ID: 885-11075-1 **Eurofins Albuquerque**

Job Narrative 885-11075-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/4/2024 8:39 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 885-11075-1

Client Sample Results

Client: EA Engineering Job ID: 885-11075-1

Project/Site: Sunset Dairy

Client Sample ID: 257-01

Lab Sample ID: 885-11075-1 Date Collected: 09/03/24 12:43

Matrix: Water

Date Received: 09/04/24 08:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	870		50	mg/L			09/04/24 12:23	100
Nitrate	35		1.0	mg/L			09/04/24 12:11	10
Nitrite	ND		1.0	mg/L			09/04/24 12:11	10
Sulfate	620		50	mg/L			09/04/24 12:23	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3800		500	mg/L			09/05/24 10:56	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		09/10/24 16:38	09/13/24 12:57	1

Eurofins Albuquerque

9/19/2024

Client Sample Results

Client: EA Engineering Job ID: 885-11075-1

Project/Site: Sunset Dairy

Client Sample ID: 257-02

Date Received: 09/04/24 08:39

Lab Sample ID: 885-11075-2 Date Collected: 09/03/24 13:47

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	660		50	mg/L			09/04/24 13:12	100
Nitrate	3.2		1.0	mg/L			09/04/24 13:00	10
Nitrite	ND		1.0	mg/L			09/04/24 13:00	10
Sulfate	440		50	mg/L			09/04/24 13:12	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2600		250	mg/L			09/05/24 10:56	1
Nitrogen, Total Kjeldahl (EPA 351.2)	0.61		0.50	mg/L		09/10/24 16:38	09/13/24 12:59	1

Client Sample Results

Client: EA Engineering Job ID: 885-11075-1

Project/Site: Sunset Dairy

Client Sample ID: MW-4

Lab Sample ID: 885-11075-3

Matrix: Water

Date Collected: 09/03/24 15:20 Date Received: 09/04/24 08:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		50	mg/L			09/04/24 13:37	100
Nitrate	ND		1.0	mg/L			09/04/24 13:25	10
Nitrite	ND		1.0	mg/L			09/04/24 13:25	10
Sulfate	940		50	mg/L			09/04/24 13:37	100
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4400		500	mg/L			09/05/24 10:56	1
Nitrogen, Total Kieldahl (EPA 351.2)	ND		0.50	mg/L		09/10/24 16:38	09/13/24 13:00	1

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Client: EA Engineering Project/Site: Sunset Dairy Job ID: 885-11075-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11630/4

Matrix: Water

Analysis Batch: 11630

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB Unit Dil Fac Analyte Result Qualifier RL Prepared Analyzed Chloride ND 0.50 mg/L 09/04/24 10:56 Sulfate ND 0.50 mg/L 09/04/24 10:56

Lab Sample ID: LCS 885-11630/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11630

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.00	4.70		mg/L		94	90 - 110	
Sulfate	10.0	9.19		mg/L		92	90 - 110	

Lab Sample ID: MRL 885-11630/3 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11630

	Spike	MRL	MRL				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	0.500	0.520		mg/L	_	104	50 - 150	
Sulfate	0.500	0.524		mg/L		105	50 - 150	

Lab Sample ID: MB 885-11631/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11631

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	mg/L			09/04/24 10:56	1
Nitrite	ND		0.10	mg/L			09/04/24 10:56	1

Lab Sample ID: LCS 885-11631/5 **Client Sample ID: Lab Control Sample Matrix: Water**

Analysis Batch: 11631

-	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate	2.50	2.49		mg/L		100	90 - 110		_
Nitrite	1.00	0.920		mg/L		92	90 - 110		

Lab Sample ID: MRL 885-11631/3 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11631

	Spike	MRL	MRL				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate	 0.100	0.0960	J	mg/L		96	50 - 150		
Nitrite	0.0999	0.103		ma/L		104	50 - 150		

Eurofins Albuquerque

Prep Type: Total/NA

Client: EA Engineering

Job ID: 885-11075-1

Project/Site: Sunset Dairy

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-11658/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 11658

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			09/05/24 10:56	1

Lab Sample ID: LCS 885-11658/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 11658

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	 1000	1010		mg/L		101	80 - 120	

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-11969/30-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12254							Prep Batch	า: 11969
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		09/10/24 16:38	09/13/24 12:42	1

Lab Sample ID: LCS 885-11969/32-A Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 12254

Prep Batch: 11969 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 10.0 10.4 90 - 110 mg/L

Lab Sample ID: LLCS 885-11969/31-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 12254								Pre	p Batch: 11969	
		Spike	LLCS	LLCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrogen, Total Kjeldahl	 	0.500	0.543		mg/L		109	50 - 150		

Eurofins Albuquerque

QC Association Summary

Client: EA Engineering Job ID: 885-11075-1 Project/Site: Sunset Dairy

HPLC/IC

Analysis Batch: 11630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11075-1	257-01	Total/NA	Water	300.0	
885-11075-2	257-02	Total/NA	Water	300.0	
885-11075-3	MW-4	Total/NA	Water	300.0	
MB 885-11630/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11630/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11630/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11075-1	257-01	Total/NA	Water	300.0	
885-11075-2	257-02	Total/NA	Water	300.0	
885-11075-3	MW-4	Total/NA	Water	300.0	
MB 885-11631/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11631/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11631/3	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 11658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11075-1	257-01	Total/NA	Water	2540C	
885-11075-2	257-02	Total/NA	Water	2540C	
885-11075-3	MW-4	Total/NA	Water	2540C	
MB 885-11658/1	Method Blank	Total/NA	Water	2540C	
LCS 885-11658/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 11969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11075-1	257-01	Total/NA	Water	351.2	
885-11075-2	257-02	Total/NA	Water	351.2	
885-11075-3	MW-4	Total/NA	Water	351.2	
MB 885-11969/30-A	Method Blank	Total/NA	Water	351.2	
LCS 885-11969/32-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-11969/31-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 12254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11075-1	257-01	Total/NA	Water	351.2	11969
885-11075-2	257-02	Total/NA	Water	351.2	11969
885-11075-3	MW-4	Total/NA	Water	351.2	11969
MB 885-11969/30-A	Method Blank	Total/NA	Water	351.2	11969
LCS 885-11969/32-A	Lab Control Sample	Total/NA	Water	351.2	11969
LLCS 885-11969/31-A	Lab Control Sample	Total/NA	Water	351.2	11969

Lab Chronicle

Client: EA Engineering Job ID: 885-11075-1

Project/Site: Sunset Dairy

Client Sample ID: 257-01

Date Collected: 09/03/24 12:43 Date Received: 09/04/24 08:39 Lab Sample ID: 885-11075-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11631	RC	EET ALB	09/04/24 12:11
Total/NA	Analysis	300.0		100	11630	RC	EET ALB	09/04/24 12:23
Total/NA	Analysis	2540C		1	11658	ES	EET ALB	09/05/24 10:56
Total/NA	Prep	351.2			11969	HR	EET ALB	09/10/24 16:38
Total/NA	Analysis	351.2		1	12254	DL	EET ALB	09/13/24 12:57

Client Sample ID: 257-02 Lab Sample ID: 885-11075-2

Date Collected: 09/03/24 13:47 Matrix: Water

Date Received: 09/04/24 08:39

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11631	RC	EET ALB	09/04/24 13:00
Total/NA	Analysis	300.0		100	11630	RC	EET ALB	09/04/24 13:12
Total/NA	Analysis	2540C		1	11658	ES	EET ALB	09/05/24 10:56
Total/NA	Prep	351.2			11969	HR	EET ALB	09/10/24 16:38
Total/NA	Analysis	351.2		1	12254	DL	EET ALB	09/13/24 12:59

Client Sample ID: MW-4 Lab Sample ID: 885-11075-3

Date Collected: 09/03/24 15:20 Matrix: Water Date Received: 09/04/24 08:39

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	11631	RC	EET ALB	09/04/24 13:25
Total/NA	Analysis	300.0		100	11630	RC	EET ALB	09/04/24 13:37
Total/NA	Analysis	2540C		1	11658	ES	EET ALB	09/05/24 10:56
Total/NA	Prep	351.2			11969	HR	EET ALB	09/10/24 16:38
Total/NA	Analysis	351.2		1	12254	DL	EET ALB	09/13/24 13:00

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: EA Engineering Job ID: 885-11075-1

Project/Site: Sunset Dairy Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority Prog		am	Identification Number	Expiration Date
ew Mexico	State		NM9425, NM0901	02-26-25
• •	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	st may include analyt
Analysis Method	Prep Method	Matrix	Analyte	
2540C		Water	Total Dissolved Solids	
300.0		Water	Chloride	
300.0		Water	Nitrate	
300.0		Water	Nitrite	
300.0		Water	Sulfate	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
regon	NELAP		NM100001	02-26-25
• •	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analyt
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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9/19/2024

Login Sample Receipt Checklist

Client: EA Engineering Job Number: 885-11075-1

Login Number: 11075 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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